

Oracle9i Warehouse Builder

Scripting Reference

Release 9.2.0.3

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Scripting Reference, Release 9.2.0.3

Part No. B12187-01

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Preface

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Purpose

Oracle9i Warehouse Builder is a comprehensive toolset for practitioners who move and transform data, develop and implement business intelligence systems, perform metadata management, or create and manage Oracle databases and metadata. This guide describes how to use Warehouse Builder Oracle MetaBase (OMB) Scripting Language to:

- Create a definition of a data warehouse.
- Configure the definitions for a physical instance of the data warehouse.
- Validate the set of definitions and their configurations.

- Generate a set of scripts to create and populate the data warehouse instance.
- Generate data transformation scripts.
- Deploy and initially load the data warehouse instance.
- Maintain the physical instance by conditionally refreshing it with generated scripts.
- Integrate Warehouse Builder metadata with other Business Intelligence products.
- Populate Oracle Discoverer EULs and OLAP catalogs for analyzing the data warehouse.

Audience

This guide is intended for data warehouse practitioners who want to access Warehouse Builder functionality programmatically:

- Business Intelligence application developers
- Warehouse architects, designers, and developers—especially SQL and PL/SQL developers
- Developers of large-scale products based on data warehouses
- Warehouse administrators
- System administrators
- Other MIS professionals

In order to use the information in this guide, you need to be comfortable with the concepts of Relational Database Management Systems and Data Warehouse design. For information on data warehousing, refer to the Oracle9i *Data Warehousing Guide*. Also, you need to be familiar with Oracle's relational database software products such as Oracle9i, SQL*Plus, SQL*Loader, Oracle Enterprise Manager, and Oracle Workflow.

How This Guide Is Organized

The Oracle9i Warehouse Builder Scripting Reference contains the following chapters and appendixes.

- [Chapter 1, "Introduction"](#), provides introductory information about the Warehouse Builder scripting language, OMB Plus. It describes the types of

commands and how to use them. It also explains how to read the syntax diagrams included in this reference.

- [Chapter 2, "OMB Plus Commands"](#), includes an alphabetical listing of the navigation, service, administrative, and shell commands you can use in OMB Plus. Commands for metadata manipulation are contained in separate chapters.
- [Chapter 3, "OMBALTER"](#), provides a reference for using the metadata manipulation command OMBCREATE with Warehouse Builder objects.
- [Chapter 4, "OMBCREATE"](#), provides a reference for using the metadata manipulation command OMBCREATE with Warehouse Builder objects.
- [Chapter 5, "OMBDROP"](#), provides a reference for using the metadata manipulation command OMBDROP with Warehouse Builder objects.
- [Chapter 6, "OMBRETRIEVE"](#), provides a reference for using the metadata manipulation command OMBRETRIEVE with Warehouse Builder objects.
- [Appendix A, "Running OMB Plus in Oracle9i JDeveloper"](#), gives instructions on how to use OMB Plus in JDeveloper.
- [Appendix A, "Default Groups and Parameters"](#), lists the default groups and parameter for mappings.

New in Release 9.2

Enhancements to the Mapping Editor: Mapping Debugger

Warehouse Builder now provides you with extensive debugging capabilities for your mappings from within the Mapping Editor. Use the Mapping Debugger to locate logical design errors in your mappings. The new features allow you to step through the data flow of a mapping using comprehensive debugging functions such as setting breakpoints and watches and interactively changing test data.

Enhanced Support of Multiple Targets: Correlated Commit

This release introduces a new commit strategy for mappings with multiple targets. In previous releases, Warehouse Builder performed independent commits. That is, Warehouse Builder committed and rolled back each target separately and independently of other targets. In addition to this option, Warehouse Builder now also performs correlated commits. Warehouse Builder considers all targets collectively and commits or rolls back data uniformly across all targets. Use the correlated commit when it is important to ensure that every row in the source impacts all affected targets uniformly.

Direct Partition Exchange Loading

In previous releases, Warehouse Builder by default created a temporary table for mappings that required additional processing of source data before exchanging partitions. This occurred when the mapping contained remote sources or multiple sources joined together. Beginning in this release, you can now by-pass the creation of a temporary table and directly swap a source into a target. Use Direct PEL in a mapping to instantaneously publish fact tables that you loaded in a previously executed mapping.

Data Quality Features

- **Multiple Name and Address Software Providers:** Beginning in this release, Warehouse Builder is compatible with multiple certified Name and Address software providers. Third-party vendors can license Name and Address software directly to you for use with Warehouse Builder. This allows you to choose a name and address provider whose offering is the most appropriate for your project.
- **Name-Address Operator Wizard:** In previous releases, you defined the Name-Address operator using the mapping canvas and the operator Configuration Properties sheet. For improved usability, Warehouse Builder now enables you to use a wizard and Operator editor to create and edit the Name-Address operator.
- **Match-Merge Operator:** Warehouse Builder incorporates the data quality functionality formerly available in Oracle Pure Integrate. You can use the Match-Merge operator available in the Mapping Editor to define business rules for matching and merging records. The Match-Merge operator together with the Name-Address operator support householding, the process of identifying unique households in name and address data.

Metadata Change Management

In a previous release, you could perform metadata change management using the OMB Plus scripting utility. Beginning in this release, you can also access these functions from the Warehouse Builder client user interface. Metadata change management enables you to take snapshots of metadata objects and use them for backup and history management. Snapshots are supported for any object on the navigation tree and can store information about an object alone (such as a table or module), or the objects within it as well (such as the tables within a module).

Extending Oracle9i Warehouse Builder Functionality

- **Security:** Warehouse Builder now provides advanced repository security and auditing options that you can implement according to your security requirements. The advanced security options include the following:

Proactive Security: Warehouse Builder enables you to plug in a customized security PL/SQL implementation package in the Warehouse Builder repository to provide tailored access control to users according to the security rules defined by your organization.

Reactive Security: Warehouse Builder enables you to track audit information based on the metadata history and to determine security policies from such audit information.

Data Stewardship: Warehouse Builder enables an individual or a group of individuals to “own” portions of the metadata rather than the technical administrators. Metadata ownership thus becomes an important component of metadata security management.

- **RAC Support:** With the 9.2 release, Warehouse Builder provides increased support for RAC features. Warehouse Builder now supports the use of net service names in the runtime. This enables you to plan maintenance of nodes in a cluster without having to reconfigure the runtime environment. Warehouse Builder also provides an increased availability in the runtime service. For example, if either the service instance or its associated node fails or is taken out of service, then the runtime service instance on a different node can take over. While the Warehouse Builder design repository can also be used in a RAC cluster, it will not take advantage of any failover features of RAC for this release.

Enhancements to Flat File Support

- **ZONED Data Type Support:** Warehouse Builder now allows you to load fixed format data files containing ZONED decimal data. In the Flat File Sample Wizard, specify the ZONED data type for a flat file you import. The format for ZONED data is a string of decimal digits, one per byte, with the sign included in the last byte. (In COBOL, this is a SIGN TRAILING field.) The length of this field is equal to the precision (number of digits) that you specify. You may also specify a scale, which is the number of digits to the right of the decimal point.
- **DECIMAL Data Type Support:** DECIMAL data is in packed decimal format; two digits per byte, except for the last byte, which contains a digit and sign. The DECIMAL data type includes precision and scale and therefore can represent fractional values.

Enhancements in Database Connectivity

Warehouse Builder now enables you to create public database links that can be shared across a database. Public database links can be created by repository owners, as well as any user with the `CREATE PUBLIC DATABASE LINK` privilege.

Warehouse Builder Available on HP-UX and AIX

Starting with this release, Warehouse Builder is available on HP-UX and AIX platforms. This new availability is an addition to the UNIX (Solaris and Linux), and Windows (NT, 2000, and XP) platforms, which have been available from previous releases. (Note that the MITI Bridges feature is only available on Windows platforms and the Name and Address Server is only available on Windows and Solaris platforms.)

Public Application Programming Interface

Starting in this release, Warehouse Builder now includes a Public Application Programming Interface (API). To access the API, unzip and extract the following file to a folder on your local machine:

```
<owb home directory>\owb\lib\int\pubapi_javadoc.jar
```

Double click on the file `index.html`. Select the [Help](#) link for information on how to use the API.

Added in Release 2 (9.0.4)

The following new features were introduced in Oracle9i Warehouse Builder:

Changes in the Warehouse Builder Console

- **Enhanced Navigation Tree:** The navigation tree that displays in the Warehouse Builder console has been enhanced to improve navigation between projects and facilitate direct access to metadata repository objects. All projects are now visible from the tree, whereas previously you could only see one project at a time. Now you can expand a project node to display the contents of the active project. The module tree no longer appears in a separate window.
- **Wizards, Editors, and Properties Sheets:** All Warehouse Builder wizards, editors, and properties sheets are now launched from the navigation tree.
- **Business Areas Renamed to Collections:** In previous releases, you could create business areas in warehouse modules to organize objects in Warehouse Builder and to export metadata to tools such as Oracle Discoverer. Starting in this

release, *collections* replace *business areas* in all functions and introduce enhancements, such as the ability to import metadata into and export metadata from a collection.

- **Fact Tables Renamed to Cubes:** The terms *fact* and *fact table* have been replaced with *cube* in this release to be in line with OLAP industry standards.
- **Logical Names Renamed to Business Names:** All references to *logical names* of objects have changed to *business names* in this release.
- **Toolbars in the Warehouse Builder Console:** The utility drawer has been removed and the side and top toolbars in the Warehouse Builder console have been merged at the top to consolidate the most important functionality in one place.

Enhancements to Deployment

- **Addition of Deployment Management Objects:** This release introduces three object types to assist in managing connections to deployment sources and targets: Locations, Connectors, and Runtime Repository Connections. Locations define the physical location of the deployment. Connectors define relationships between locations. Runtime Repository Connections provide information about Runtime Repositories. Using these objects, you can create multiple deployment targets for the same target design.
- **Single Deployment Management Interface:** The Deployment Manager provides a single interface for managing deployments of all objects, and executions of deployed mappings, transformations, and process flows. It also provides immediate access to the history of previously deployed objects. Not only does the Deployment Manager enable you to perform all these tasks from one interface, but Warehouse Builder now keeps track of runtime metadata, providing you with the history of what has previously been deployed.

Enhancements to Warehouse Builder Metadata Browser

- **Design Metadata Browsing:** The Warehouse Builder Design Browser has been enhanced to include all new exposed objects, such as external tables, locations and connectors. In addition, you can now launch the Design Browser as a standalone executable; it no longer requires Oracle9iAS to be installed for a single-user usage.
- **Runtime Metadata Browsing:** The Warehouse Builder Runtime Audit Viewer has been replaced by the Runtime Audit Browser, which provides web-based reporting. The Runtime Audit Browser provides a more extensive set of deployment and execution audit reports than was available in previous

releases. This audit data comes from information stored in the Runtime Repository and includes both deployment and execution data.

Enhancements to Warehouse Builder Programmatic Access

- **Warehouse Builder Public APIs:** Starting with this release, Warehouse Builder offers this alternative for programmatic access to Oracle9i Warehouse Builder features: a full set of Java public APIs for application programmers who want to embed Warehouse Builder features and services in their own applications.
- **Warehouse Builder Scripting Language:** Oracle MetaBase (OMB) Scripting Language provides access to all Warehouse Builder functions without accessing the Warehouse Builder graphical user interface. Users can access Warehouse Builder metadata and functionality by using OMB Plus, Warehouse Builder's scripting utility. This gives developers the power of using Warehouse Builder programmatically and extending its functionality where required. For more information on OMB Scripting Language, refer to the Oracle9i Warehouse Builder Scripting Reference.

Enhancements to Metadata Management

- **Security:** Warehouse Builder now provides an optional repository security and auditing system that you can implement according to your security requirements. You can create a multiple user account system where multiple identifiable users can access the same Warehouse Builder repository. Warehouse Builder also enables you to plug in a customized security PL/SQL implementation package in the Warehouse Builder repository to provide tailored access control to users according to the security rules defined by your organization.
- **Metadata Change Management (Metadata Snapshots):** Starting in this release, you can take snapshots of metadata objects and use them for backup and history management. Snapshots are supported for any object on the navigation tree and can store information about an object alone (such as a table or module), or the objects within it as well (such as the tables within a module).
- **Multiple Language Support (MLS):** With this feature, you can store the displayed business names and descriptions in languages other than the base language of the repository. Your different translations of business names and descriptions can be used to deploy to an EUL in the language of the target user population.
- **Extensibility Through User-Defined Properties:** Users can define additional properties for any Warehouse Builder objects using the Warehouse Builder

OMB Plus scripting utility. After you define user-defined properties through scripting, you can access them in the user interface, the Oracle MetaBase (OMB) Scripting Language, Warehouse Builder Public APIs, and Warehouse Builder Design Browser. This enhances the extensibility of Warehouse Builder and makes it easier to integrate it with other Business Intelligence products.

- **Metadata Loader (Import and Export) Flexibility Enhancements:** Two new features were added to enhance this area of the product. The first is the ability for you to export metadata directly from Collections. The second feature is available from the Metadata Loader command line utility. It provides you with flexibility to specify the type of actions you want to apply when you import a first-class object.

Process Flow Editor

Starting in this release, you can use the Process Flow Editor in Warehouse Builder to create and define process flows. External process operators that you previously defined in mappings are upgraded to user-defined processes and are contained within a process flow module. Process flows now integrate in the same Warehouse Builder design environment and no longer require you to use Oracle Workflow design client to perform these functions. The Warehouse Builder process flow modeler natively understands the semantic of your mappings and enables you to model activities such as FTP, email, etc.

Performance Improvements

- **Mapping User Interface:** A new pre-defined display set, named Mapping, was added in this release. Selecting this display set causes the Mapping to only display columns that effectively are mapped, or used.
- **Mapping Compression:** This feature automatically detects unused connections between operators and attributes in any given mapping and eliminates them from the repository. This dramatically enhances the performance of loading and storing large mappings that represent significant data flows.
- **Metadata Loader (Import and Export):** Import and export functionality now takes advantage of the new compression feature available for each mapping. This means that the Metadata Loader now exports and imports only those mapping objects that are actually used.

Oracle9i Integration

- **OLAP Integration:** Warehouse Builder enables you to design, deploy, and load multidimensional OLAP objects as ROLAP or MOLAP models from different

data sources. After the data is loaded, you can use BI tools and applications to run complex analytical queries that answer your business questions. Using Warehouse Builder, you can now create and manage both your relational and multidimensional objects from the same cube and dimension designs.

- **Advanced Queue (AQ) Integration:** Warehouse Builder enables you to import Advanced Queue definitions and to use AQs as data sources and targets while designing your data warehouse. Through Advanced Queue functionality coupled with the Messaging Gateways, Warehouse Builder enables you to support messaging applications on MQ Series and Tibco as Warehouse Builder data sources. AQs also enable you to propagate change data capture from your source system to your target. The ability to integrate AQs lays the foundation for providing real time data warehousing in the future.
- **External Tables:** Starting in this release, you can use external tables to represent data from non-relational file sources in a relational, read-only format. You can import an existing external table from an Oracle9i database. Or you can create an external table in Warehouse Builder based on a flat file definition. Warehouse Builder will generate the right DDL for you to deploy your external table to an Oracle9i database.
- **Oracle9i Multiple Table Inserts:** Warehouse Builder takes advantage of Oracle9i database functionality and generates a multiple-table insert statement when the target database is Oracle9i. This enables you to optimize mappings to insert data into multiple tables in one operation.
- **Oracle9i Table Functions:** Warehouse Builder introduces the Table Function operator that enables you to improve performance when loading your target system. Use this operator to develop custom code that can manipulate a set of input rows and return another set of rows possibly of different cardinality. Unlike conventional functions, table functions output a set of rows that can be queried like a physical table.

Enhanced Support for Flat Files

- **Unbound Flat Files as Targets:** In this release, you can create a new, unbound flat file object as you create your mapping. Warehouse Builder creates a new comma-separated, single-record-type flat file in the specified location. This feature makes it easier to load the contents of a relational object into a flat file.
- **Outbound Reconcile for Flat Files:** Outbound reconciliation makes it possible to create a new repository object from a mapping flat file. This results in a new, comma-separated file to be created where specified, provided that the flat file is

new to that repository. This feature makes it easier to "quickly dump" the contents of a relational object to a flat file.

- **Logical Records for Delimited Files:** The Flat File Sample Wizard has also been enhanced to display an improved user interface that allows you to define logical records for delimited files.
- **Position-Based Master-Detail Loading:** Position-based master-detail flat files are now easier to load with the use of additional mapping operators.
- **SQL Property Extensions:** You can now specify SQL properties for flat files you import into Warehouse Builder. This enables you to pre-define SQL property values for each flat file field. Thus, if mapping a flat file source to a relational target, the target column will default to these pre-defined SQL property values. These values will be used when building a relational target column or when creating an external table column.

Mapping Editor Enhancements

- **Mapping User Interface:** A new set of property tabs is now available for you to quickly create and edit mapping operators and attribute properties.
- **Pivot and Unpivot Operators:** Starting in this release, you can add a pivot operator or an unpivot operator to a mapping. The pivot operator allows you to transform a single row of attributes into multiple rows. The unpivot operator converts multiple input rows into one output row.
- **Name and Address Operator Enhancements:** The Name and Address operator has been enhanced to include new input roles and output attributes. The United States Postal Service Code Accuracy Support System (CASS) reporting is also supported starting with this release.

Warehouse Builder Is Now Available on UNIX Platforms

Starting with this release, Warehouse Builder is available on UNIX (Solaris, and Linux), as well as Windows (NT, 2000, and XP) platforms. This applies to all the components of Warehouse Builder, with the exception of the Name and Address libraries, which are not available on Linux in this release. (Note that the OLAP Bridges feature is only available on Windows platforms and the Name and Address Server is only available on Windows and Solaris platforms.)

Conventions

In this manual, Windows refers to the Windows NT, Windows 2000, and Windows XP operating systems. The SQL*Plus interface to Oracle9i may be referred to as SQL.

In the examples, an implied carriage return occurs at the end of each line, unless otherwise noted. You must press the Return key at the end of a line of input.

The following conventions are also used in this manual:

Convention	Meaning
.	Vertical ellipsis points in an example mean that information not directly related to the example has been omitted.
...	Horizontal ellipsis points in statements or commands mean that parts of the statement or command not directly related to the example have been omitted.
boldface text	Boldface type in text refers to interface buttons and links. Boldface type also serves as emphasis to set apart main ideas.
<i>italicized text</i>	Italicized text applies to new terms introduced for the first time. Italicized text also serves as an emphasis on key concepts.
<code>unicode text</code>	Unicode text denotes exact code, file directories and names, and literal commands.
<i>italicized unicode text</i>	Italicized unicode text refers to parameters whose value is specified by the user.
[]	Brackets enclose optional clauses from which you can choose one or none.

Related Publications

The Warehouse Builder documentation set includes these manuals:

- Oracle9i Warehouse Builder User's Guide
- Oracle9i Warehouse Builder Installation and Configuration Guide
- Oracle9
- Oracle9i Warehouse Builder Scripting Reference
- Oracle9i Warehouse Builder Release Notes

In addition to the Warehouse Builder documentation, you can refer to other documents listed below:

- *Oracle9i Data Warehousing Guide*

Oracle provides additional information sources, including other documentation, training, and support services that can enhance your understanding and knowledge of Oracle9i Warehouse Builder.

- For more information on Oracle9i Warehouse Builder technical support, contact Oracle World Wide Support services at:

<http://www.oracle.com/support>

- For the latest information on, and downloads of, software and documentation updates to Oracle9i Warehouse Builder, visit MetaLink at:

<http://metalink.oracle.com>

- You can order other Oracle documentation at:

<http://oraclestore.oracle.com>

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Standards will continue to evolve over time, and Oracle Corporation is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For additional information, visit the Oracle Accessibility Program web site at:

<http://www.oracle.com/accessibility/>

Accessibility of Code Examples in Documentation

JAWS, a Windows screen reader, may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, JAWS may not always read a line of text that consists solely of a bracket or brace.

Contacting Oracle

Oracle Metalink

Metalink is the Oracle support web site where you can find the latest product information, including documentation, patch information, BUG reports, and TAR entries. Once registered, you can access email, phone and web resources for all Oracle products. Metalink is located at:

<http://metalink.oracle.com>

Check Metalink regularly for Warehouse Builder information and updates.

Documentation

You can order Oracle product documentation by phone or through the World Wide Web:

- **Phone:** Call 800-252-0303 to order documentation or request a fax listing of available Oracle documentation.
- **Oracle Documentation Sales Web site:** <http://oraclestore.oracle.com>
- **Oracle Customer Support Web site:** <http://www.oracle.com/support>

Introduction

OMB Plus is a flexible, high-level command line metadata access tool for Oracle9i Warehouse Builder. Use OMB Plus to create, modify, delete, and retrieve object metadata in Warehouse Builder design and runtime repositories.

This chapter contains the following topics:

- [About the OMB Scripting Language](#) on page 1-1
- [OMB Plus Commands](#) on page 1-5
- [How to Read Syntax Diagrams](#) on page 1-12
- [Sample OMB Plus Scripts](#) on page 1-14

About the OMB Scripting Language

The Warehouse Builder scripting language, known as OMB Plus, is an extension of the Tcl programming language. With OMB Plus, you can write the syntactic constructs such as variable support, conditional and looping control structures, error handling, and standard library procedures.

Use OMB Plus to create, modify, delete, and retrieve object metadata in Warehouse Builder design and runtime repositories.

OMB Plus enables you to edit Warehouse Builder repository metadata using a scripting interface. You can use this scripting interface to:

- Perform complex actions directly in Warehouse Builder, without launching the client user interface.
- Define sets of routine operations to be executed in Warehouse Builder.
- Perform batch operations in Warehouse Builder.

- Automate a series of conditional operations in Warehouse Builder.

Using OMB Plus

To use OMB Plus, first launch OMB Plus and then connect to a repository. Type all commands and keywords in OMB Plus in uppercase.

Launching OMB Plus

To launch the OMB Plus console, follow the instructions specific to your operating system.

- **UNIX:** At the command prompt, enter:

```
<OWB_HOME>/bin/unix/OMBPlus.sh
```
- **Windows:** From the Start Menu, navigate to Warehouse Builder, located within Oracle9i Developer Suite. Select OWB OMB Plus from the list of menu items.

Connecting to a Repository

From the OMB Plus console, enter:

```
OMBCONNECT <repos>/<password>@<host>:<port>:<service_name>
```

In the expression above, `<repos>` is the name of the design-time repository, `<host>` is the machine on which the repository is installed, and `<servicename>` is the name of the database that contains the repository.

Writing OMB Plus Commands

An OMB Plus command can span multiple lines. In a multiple line OMB Plus command, you must use only a backward slash (\) at the end of each line.

Keep in mind the following points when you execute OMB Plus commands:

- Do not use a number sign(#) in the middle of an OMB Plus command.
- Do not use a backward slash (\) when you specify the full path for the commands that use the full path, such as, OMBIMPORT, OMBVALIDATE, OMBLOG, and so on. For example, in the following commands, the log file is not created.

```
set OMBLOG c:\my_project\omb_logfile.log (On Windows)
set OMBLOG \home\my_project\omb_logfile.log (On Unix)
```

On Unix, use a slash as the path separator. For example, the following command creates a log file.

```
set OMBLOG /home/my_project/omb_logfile.log
```

On Windows, you can use either a forward slash(/) or two backward slashes (\\) as a path separator. Alternately, you can use a backward slash in the path, but in this case, enclose the entire filename in curly braces. The following are examples of commands that you can use to create a log file.

```
set OMBLOG c:/my_project/omb_logfile.log
set OMBLOG c:\\my_project\\omb_logfile.log
set OMBLOG {c:\my_project\omb_logfile.log}
```

- Do not use a semi-colon(;) in a quoted string. A semi-colon is special character that is used to separate two commands. Thus, using a semi-colon in a quoted string results in an error. The work around you can use for this is to escape the semi-colon character by putting a backward slash (\) in front of the semi-colon. For example,

```
OMBCREATE FLATFILE 'FF_DSR_RLE' \
SET PROPERTIES(DATA_FILE_NAME,IS_DEMILITED,CHARACTER_SET,RECORD_DELIMITER,\
FIELD_DELIMITER,FIELD_LEFT_ENCLOSURE,FIELD_RIGHT_ENCLOSURE) \
VALUES('DSR_RLE.dat','TRUE','WE8MSWIN1252','\n','\;','\"','\"')
```

- You can set the value of a Boolean configuration property, for example the IS_DELIMITED property in the example, using any one of the following values: TRUE, FALSE, YES, NO, 1, or 0. When you set the value to TRUE, FALSE, YES, or NO, enclose the value in single quotes. When you specify numeric values for a configuration property, do not enclose the values in single quotes.

Running Scripts in OMB Plus

You can write scripts and run them in OMB Plus. For examples of scripts you can write, see ["Sample OMB Plus Scripts"](#) on page 1-14.

Inside the interactive shell, type `source test.tcl` where 'test' is the name of the script you want to run.

At the command line, type `OMBPlus.sh test.tcl` for scripts on UNIX and `OMBPlus.bat test.tcl` for scripts on Windows operating systems.

Locating Errors in Scripts and Multi-line Commands

OMB Plus reports only the first error it encounters while executing a command. As soon as it encounters the first error, it stops processing the command and exits reporting the error.

When an error occurs during the execution a multi-line OMB Plus command, the error message that is displayed does not specify the exact line at which the error occurred. To determine the line at which the error occurred, use the following command immediately after you encounter an error:

```
OMB+> puts $errorInfo
```

Predefined Tcl Procedures

You can use the predefined Tcl procedures in OMB Plus:

- **OMBToSettableString:** Use this procedure when setting string values that contain single quotes that need to be escaped. The input for this procedure is a Tcl string and the output is a Tcl string with all single-quotes escaped.
- **OMBToTypeObjListString:** This procedure converts an input two-dimensional list to a comma-separated string. For example, the procedure converts input in the form of

```
{{<object_type> <name>} ... }  
to  
"<object_type> <name>,...".
```

- **OMBPageBreak:** This procedure displays the input string as a sequence of pages, with a pause after each page. When the output of a command is more than the page height, it may be difficult for screen reading software (used for accessibility) to read the whole text. This procedure may be used to break the output of a command into pages.

The two inputs to the OMBPageBreak command are the number of lines to be displayed in a page and the string that is to be split into pages. The string may be the output of an OMB Plus command. For example, the following command displays the output of the OMBHELP OMBCREATE command with 10 lines per page.

```
OMBPageBreak 10 [OMBHELP OMBCREATE]
```

To display the next 10 lines of the output, press <Enter> on your keyboard.

The OMPageBreak procedure is available for every OMB Plus session.

OMB Plus Commands

The sections that follow describe the types of commands that comprise the OMB Scripting Language.

- **Metadata Manipulation Language (MML) Commands:** Includes commands for creating, altering, deleting, and retrieving metadata objects.
- **Shell Commands:** Includes help and environment support such as `OMBDCC` and `OMBHELP`. Although these commands enable you to control the scripting environment, you cannot use them to edit the metadata.
- **Administrative Commands:** Fits the MML to the Warehouse Builder backend. For example, the commands `OMBCONNECT`, `OMBDISCONNECT`, `OMBCOMMIT`, or `OMBROLLBACK`.
- **Navigation Commands:** Enable you to navigate the Warehouse Builder repository just as you would navigate a UNIX file system.
- **Service Commands:** Enable you to start Warehouse Builder metadata services such as validation, compilation, deployment, and import or export.

Metadata Manipulation Language (MML) Commands

OMB Plus enables you to create, modify, delete, and retrieve object metadata in Warehouse Builder design and runtime repositories. OMB Plus commands work within the context of a first class object. For a list of first class objects, see ["Warehouse Builder Metadata Objects"](#) on page 1-7.

[Table 1–1](#) lists the standard command names for MML.

Table 1–1 Standard Command Names for MML

Metadata Manipulation Language (MML)	Description
OMBCREATE	Creates a first class object.
OMBDROP	Deletes a first class object.
OMBCREATE	Modifies a first class object.
OMBRETRIEVE	Retrieves information from a first class object.

OMB Plus executes commands like `OMBCREATE`, `OMBCREATE`, and `OMBDROP` within a nested transaction.

OMB Plus interprets clauses within a single command one by one, as illustrated by the following example:

```
OMBCREATE TABLE 'T1' \  
  MODIFY COLUMN 'C1' RENAME TO 'C1_NEW' \  
  ADD UNIQUE_KEY 'UK1' \  
    SET REF COLUMNS ('C1_NEW', 'C2')
```

In the above example, OMB Plus renames column C1 to C1_NEW when parsing the `modify_column` clause. In the last line, use the new name for the column, C1_NEW, to specify the referenced columns for the new unique key. For more details about synchronization of cached data, see ["Synchronizing Cached Data with Repository Objects"](#)

The OMBCREATE and OMBRETRIEVE commands synchronize only the first content object that they are currently working on. The OMBCREATE command synchronizes only the parent folder.

Examples

The following example lists the high-level scripting command syntax definitions for the OMBCREATE command:

```
OMBCREATE <fco_type> <fco_name> ( [ rename_clause ] [ properties_clause ] [ [   
  sco_add_clause_for_alter ] | [ sco_modify_clause ] | [ sco_delete_clause ] ]* )1  
rename_clause ::= RENAME TO <new_name>  
sco_add_clause_for_alter ::= ADD <sco_type> <sco_name> [ OF parent_sco_clause ]  
[ AT POSITION <position> ] [ properties_clause ] [ references_clause ]*  
sco_modify_clause ::= MODIFY <sco_type> <sco_name> [ OF parent_sco_clause ] ( [   
  rename_clause ] [ move_to_clause ] [ properties_clause ] [ references_clause ]*  
 )1  
move_to_clause ::= MOVE TO POSITION <position>  
sco_delete_clause ::= DELETE <sco_type> <sco_name> [ OF parent_sco_clause ]
```

In the above example, the number 1 following a group of clauses enclosed by () brackets indicates that you must specify at least one of the clauses.

You can specify a particular Warehouse Builder object by tracing the aggregation relationship from its parent first class object. You can also capture the association relationships by the references clauses. For example, `getSCOClauses`, where `sco_type` is the second class object type.

Each action, create, alter, drop, or retrieve works only on the properties and the immediate children of the currently specified object. For example, the retrieve command on a table only enables you to access the properties of the table and the

lists of column and constraint names owned by that table. To drill down to the detailed descriptions of the columns and constraints, you can call retrieve on these objects respectively.

The following statement retrieves the datatype and length for a column in a view:

```
OMBRETRIEVE VIEW 'V1' COLUMN 'COL1' \
GET PROPERTIES (DATATYPE, LENGTH)
```

When you set and retrieve properties using the `set_properties_clause` and the `get_properties_clause`, you can type the property names in any order.

Physical names are used as object identifiers in scripting. Business names represent an object property. Business names are not used to identify objects. You can identify a cross-component first class object by a path notation.

```
/<project_name>/<module_name>/<fco_name>
or
../<module_name> <fco_name>
```

String values, including object names and string property values, must be enclosed in single quotes.

Warehouse Builder Metadata Objects

Use OMB Plus to access and manipulate the following Warehouse Builder objects, also known as first class objects:

Table 1–2 Warehouse Builder Metadata Objects

■ Advanced Queues	■ Functions	■ Process Flows
■ Collections	■ Gateway_Modules	■ Process FLOW Modules
■ Connectors	■ Locations	■ Process Flow Packages
■ Cube Tables	■ Mappings	■ Projects
■ Deployment Action Plans	■ Materialized Views	■ Runtime Repository Connections
■ Dimension Tables	■ Object Types	■ SAP Modules
■ External Tables	■ Oracle Modules	■ Sequences
■ Flat File	■ Packages	■ Snapshots

Table 1–2 Warehouse Builder Metadata Objects

■ Flat File Modules	■ Procedures	■ Tables
---------------------	--------------	----------

For Oracle Modules, you can access only those Oracle modules designated as warehouse modules. You cannot access Oracle source modules using OMB Plus.

Shell Commands

Shell commands provide you with an interactive interface to run all Warehouse Builder scripts and standard Tcl commands. OMB Plus shell commands include: OMBHELP, OMBCC, OMBDCC, and OMBENV.

OMBHELP

Use the OMBHELP command to display help on Warehouse Builder commands. The help describes the purpose of the command, the syntax in BNF format, and each of the keywords or options. For complex commands such as OMBCREATE, OMBCREATE, and OMBRETRIEVE, you can specify an optional fco_type parameter. OMBHELP then displays the detailed syntax for that particular parameter type. Each command also provides specific options that enable you to display sub-sections of the help page.

The syntax for OMBHELP is:

```
help ::= OMBHELP <command_name> [ <command_specific_options> ] [DETAIL]
```

For example, OMBHELP OMBCONNECT displays the following:

```
OMBCONNECT
```

Purpose:

To connect to OWB repository.

Syntax:

```
OMBCONNECT <user>/<password>@<host:port:SID>
```

where

- <user> is the OWB repository user name
- <password> is the OWB repository user password
- <host> is the name or IP address of the OWB repository host machine
- <port> is the numeric port for OWB repository database listener
- <SID> is the unique database identifier for OWB repository database

Notes:

The connection to OWB repository will be established in single user mode.

If you type `OMBHELP <command_ name>` followed by `[DETAIL]`, OMB Plus displays the command purpose, prerequisites, syntax, descriptions for each keyword and parameter, and examples of how to use the command.

The OMBHELP command synchronizes only the only the FCO that you are currently working on.

OMBENV

The syntax for OMBENV is:

```
environment ::= OMBENV
```

This command lists the values for all Warehouse Builder-specific environment variables. [Table 1–3](#) lists the environmental variables. To set an environmental variable, use the Tcl `set` command. Use `unset` to unset an environmental variable.

Table 1–3 Warehouse Builder Environment Variables

Environment Variable	Meaning	Possible Values
OMBTIMER	Enables timing on each Warehouse Builder scripting command. The time is logged to a log file and to the console or shell.	A Tcl boolean value.
OMBLOG	Stores the filename for Warehouse Builder log file.	A valid filename including its path.
OMBPROMPT	Indicates whether OMB Plus will update the command prompt each time the you call OMBCC.	A Tcl boolean value.
OMBCONTINUE_ON_ERROR	Ignores errors that occur in any command that is part of a script and moves to the next command in the script.	A Tcl boolean value.

Administrative Commands

Use these commands to perform administrative jobs on a Warehouse Builder repository. The following commands are available: OMBCONNECT, OMBDISCONNECT, OMBCOMMIT, and OMBROLLBACK.

```
connect ::= OMBCONNECT <username>/<password>@<host>:<port>:<sid>
disconnect ::= OMBDISCONNECT
```

```
commit ::= OMBCOMMIT
rollback ::= OMBROLLBACK
```

Navigation Commands

You can use the following commands to navigate the Warehouse Builder repository in the same way you navigate a UNIX file system.

OMBCC

This command enables users to change context Up and Down the Warehouse Builder navigation tree. For example, when you type `...` the current context changes to the parent context. However, if the current context is a modified project, an error message prompts you to commit or rollback your changes.

OMBDCC

This command shows you the current context and the context type. The syntax for OMBDCC is:

```
display_current_context ::= OMBDCC
```

OMBLIST

The child first class objects for folders are listed under OMBLIST. Using this command on folders describes only the folder properties. Note also that the list command allows name matching by regular expression. If you do not include the regular expression, then OMBLIST displays all objects sorted alphabetically.

The generic syntax for OMBLIST in a folder context is:

```
list_folder ::= OMBLIST ( <child_type1_plural> | ...| <child_typeN_plural> ) [
name_in_regexp ]
name_in_regexp ::= a name in regular expression.
```

For example, under the root context you have:

```
list_root ::= OMBLIST PROJECTS [ name_in_regexp ]
```

The OMBLIST command synchronizes all parent-child relations in the navigation tree.

Service Commands

Service commands perform services like batch operations on Warehouse Builder metadata. [Table 1–4](#) contains a list of service commands and their descriptions.

Table 1–4 Service Commands

Command	Description
OMBCOMPILE	Use this command to compile folders or first class objects such as tables, views, sequences, dimensions, and cubes.
OMBDEPLOY	This command provides deployment service.
OMBIMPORT	This command provides the metadata import service. You can only invoke the OMBIMPORT command from the root context. The four available modes are: CREATE_MODE (CREATE), REPLACE_MODE (REPLACE), UPDATE_MODE (UPDATE), and MERGE_MODE (INCREMENTALUPDATE). The default mode, if not specified in the command, is CREATE_MODE.
OMBVALIDATE	Use this command to validate folders or first class objects such as tables, views, sequences, dimensions, and cubes.

Synchronizing Cached Data with Repository Objects

When you start an OMB Plus session, data about the objects is fetched from the OWB repository and cached in the OMB Plus session. The cached data is synchronized with the data from the repository at certain predefined intervals.

The extent to which the objects are synchronized depends on the OMB Plus command that you execute. For example, some commands synchronize all the parent-child relationships in the navigation tree, whereas some commands synchronize only the first class object that they are currently working on.

- The OMBLIST command synchronizes all the parent-child relationships in the navigation tree.
- The OMBCREATE and OMBRETRIEVE commands synchronize only the first class object that they are currently working on.
- The OMBCREATE command synchronizes only the parent folder.

Consider the following example on synchronization of cached data. You open an OMB Plus session as well as the OWB Client. In the OWB Client, you delete a flat file module called FFM1. You then undelete FFM1 and commit the changes. In the OMB Plus session, you perform the sequence of operations listed below. The details of the result of the operation and the logic behind the result is explained below.

1. OMBCC FFM1

The context is changed to the module FFM1.

2. OMBCREATE FLATFILE

The flat file is not created because OMBCREATE synchronizes the parent folder. When the synchronization is performed, the parent folder is not found in the cache.

3. OMBLIST FLAT_FILE_MODULE

FFM1 is listed as one of the modules. This is because OMBLIST synchronizes all the parent-child relationships in the navigation tree.

4. OMBCREATE FLATFILE

The flat file is created. This is because the undelete is now reflected in the cache because of the OMBLIST command.

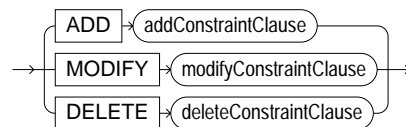
How to Read Syntax Diagrams

Syntax Diagrams are drawings that illustrate valid SQL syntax. To read a diagram, trace it from left to right, in the direction shown by the arrows. Commands and other keywords appear in UPPERCASE inside rectangles. Parameters appear in lowercase inside ovals. Variables are used for the parameters. Punctuation, operators, delimiters, and terminators appear inside circles.

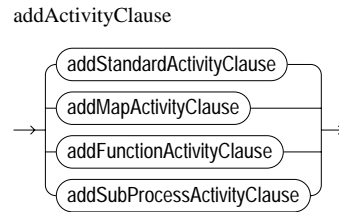
If the syntax diagram has more than one path, you can choose any path to travel. For example, in the following syntax you can specify either ADD, MODIFY, or DELETE:

Figure 1–1 Syntax Diagram with Multiple Paths

alterTableConstraintClauses



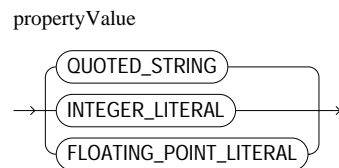
If you have the choice of more than one keyword, operator, or parameter, your options appear in a vertical list. For example, in the following syntax diagram, you can specify one or more of the five parameters in the stack:

Figure 1–2 Syntax Diagram with Multiple Parameters

Required Keywords and Parameters

Required keywords and parameters can appear singly or in a vertical list of alternatives. Single required keywords and parameters appear on the *main path* – that is, on the horizontal line you are currently traveling.

If multiple keywords or parameters appear in a vertical list that intersects the main path, one of them is required. That is, you must choose one of the keywords or parameters, but not necessarily the one that appears on the main path. In the following example, you must choose one of the two settings:

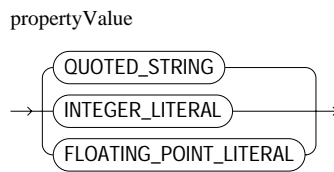
Figure 1–3 Syntax Diagram with Multiple Choices for a Required Parameter

Optional Keywords and Parameters

If keywords and parameters appear in a vertical list *above* the main path, they are optional.

Syntax Loops

Loops enable you to repeat the syntax within them as many times as you like. In the following example, after choosing one property value, you can go back repeatedly to choose another, separated by commas.

Figure 1–4 Syntax Diagram with a Syntax Loop

Sample OMB Plus Scripts

The body of the Scripting Reference contains examples for almost every reference topic. This section contains lengthy examples that are appropriate in the context of a single OMB command statement. These examples are intended to provide uninterrupted the series of steps that you would use to take advantage of particular Warehouse Builder functionality. They do not replace the Syntax Diagrams and semantics found for each individual OMB command statement in the body of the reference.

This section includes sample scripts for the following tasks:

- [Updating a Design Repository](#)
- [Reporting on Repository Objects](#)
- [Finding Invalid Objects](#)
- [Using OMB Plus to Navigate Repositories](#)

Updating a Design Repository

One possible use case is to perform mass update on repository metadata. Users can write the following script to add a primary key with local column ID for each table with name beginning in EDW inside the module MY_MODULE:

```

OMBCC MY_MODULE;
foreach tableName [OMBLIST TABLE EDW*] { \
  OMBCREATE TABLE '$tableName' \
  ADD PRIMARY_KEY '$tableName_PK' SET REFERENCE COLUMNS ('ID');}

```

We can build even more powerful and useful script using if-then-else:

```

foreach tableName [OMBLIST TABLE EDW*] { \
  set columnList [OMBRETRIEVE TABLE '$tableName' GET COLUMNS]; # Use lsearch to
  search for a name in a list
  if {[lsearch $columnList 'ID'] == -1} {

```

```

OMBCREATE TABLE '$tableName' \
  ADD COLUMN 'ID' \
    SET PROPERTIES (DATATYPE, LENGTH, NOT_NULL) VALUES \
      ('NUMBER', 10, 'true');
}

```

The above script checks the list of tables which name begins with EDW whether each of them contains an ID column. If not, it will create an ID column for that table. Hence, executing the above script will guarantee that all tables with names beginning in EDW will have the ID column defined.

Reporting on Repository Objects

Another common use is for reporting purpose. The following script displays the properties of the table T1 and its column definitions on standard output:

```

#Displaying metadata of a table
puts -nonewline "Please enter the table name: " gets stdin tableName
puts ""
puts "Report on $tableName"
puts "=====
puts "Physical name = $tableName"
puts "Logical name = [lindex [OMBRETRIEVE TABLE '$tableName' GET \
PROPERTIES(BUSINESS_NAME)] 0]"
puts "Description = [lindex [OMBRETRIEVE TABLE '$tableName' GET \
PROPERTIES(DESCRIPTION)] 0]"
puts "-----"
set columnList [OMBRETRIEVE TABLE '$tableName' GET COLUMNS]
set i 1
foreach colName $columnList {
  set dt [lindex [OMBRETRIEVE TABLE '$tableName' COLUMN '$colName' GET \
PROPERTIES(DATATYPE)] 0]
  if { $dt == "VARCHAR2" } {
    set prop [OMBRETRIEVE TABLE '$tableName' COLUMN '$colName' GET
PROPERTIES(LENGTH, NOT_NULL)]
    puts "Column $i: $colName datatype=VARCHAR2 length=[lindex $prop 0] \
not_null=[lindex $prop 1]"
  } elseif { $dt == "NUMBER" } {
    set prop [OMBRETRIEVE TABLE '$tableName' COLUMN '$colName' \
GET PROPERTIES(PRECISION, SCALE, NOT_NULL)]
    puts "Column $i: $colName datatype=NUMBER precision=[lindex $prop 0] \
scale=[lindex $prop 1] not_null=[lindex $prop 2]"
  } elseif { $dt == "DATE" } {
    set prop [OMBRETRIEVE TABLE '$tableName' COLUMN '$colName' GET \

```

```
PROPERTIES(NOT_NULL)]
    puts "Column $i: $colName datatype=DATE not_null=[lindex $prop 0]"
} # end else
incr i
}
```

A sample output is like the following:

```
Physical name = T1
Logical name = Table 1
Description = This is my first table.
=====
Column: ID datatype=NUMBER precision=0 scale=0 not_null=1
Column: NAME datatype=VARCHAR2 length=30 not_null=1
Column: VALUE datatype=VARCHAR2 length=100 not_null=0
```

Finding Invalid Objects

Users can also take advantage of the validation service provided by scripting, like this:

```
set tableList [OMBLIST TABLES];
foreach tableName $tableList {
    if { [OMBCOMPILE TABLE '$tableName'] == "Invalid." } {
        set context [OMBDCC];
        puts "Table $context/$tableName is invalid.";
    }
}
```

The above script will tell users which table is invalid under the current module.

Using OMB Plus to Navigate Repositories

Another scenario we present below is for a disabled user that relies on OMB Plus interactive shell (and also some ADA screen reading software) to navigate through a Warehouse Builder repository:

```
OMB> OMBCONNECT owb/owb@localhost:1521:dev901
Connected.
OMB> OMBLIST PROJECTS
DIM_TEST_PROJ MY_PROJECT PROJ_ENDTOEND PROJ_RELATIONAL TEST_DIM_PROJ
OMB> OMBLIST PROJECTS .*RELATION.*
PROJ_RELATIONAL
OMB> OMBCC 'PROJ_RELATIONAL'
Context changed.
OMB> OMBDCC
PROJECT /PROJ_RELATIONAL
```



```
OMB+> set OMBPROMPT ON
ON
OMB+> OMBDCC
PROJECT /PROJ_RELATIONAL
/PROJ_RELATIONAL>
/PROJ_RELATIONAL> OMBLIST ORACLE_MODULES
WH
/PROJ_RELATIONAL> OMBCC 'WH'
Context changed.
/PROJ_RELATIONAL/WH> OMBLIST TABLES
PRODUCT PO
/PROJ_RELATIONAL/WH> OMBRETRIEVE TABLE 'PO' GET COLUMNS
OID PROD_ID ORDER_DATE CUSTNAME
/PROJ_RELATIONAL/WH> OMBCC '..'
Context changed.
/PROJ_RELATIONAL> OMBCC '..'
Context changed.
/>
/> OMBDISCONNECT
Disconnected.
```


OMB Plus Commands

This chapter contains an alphabetical listing of the navigation, service, administrative, and shell commands you can use in OMB Plus. Commands for metadata manipulation are contained in separate chapters.

This chapter includes the following topics listed in a columnar table that reads down the columns from left to right to conserve space:

OMBCC on page 2-2	OMBDESCRIBE_CLASS_DEFINITION	OMBLIST_SNAPSHOT on page 2-43
OMBCOMMIT on page 2-3	OMBDISC on page 2-23	OMBLOCK on page 2-44
OMBCOMPARE_SNAPSHOT on page 2-4	OMBDISCONNECT on page 2-24	OMBMOVE on page 2-46
OMBCOMPILE on page 2-8	OMBENV on page 2-25	OMBRECONCILE on page 2-49
OMBCONN on page 2-10	OMBEXPORT on page 2-26	OMBREDEFINE_CLASS_DEFINITION on page 2-51
OMBCONNECT_RUNTIME on page 2-12	OMBEXPORT_MDL_FILE on page 2-30	OMBREGISTER_LOCATION on page 2-55
OMBCONNECT on page 2-13	OMBHELP on page 2-34	OMBRESTORE_SNAPSHOT on page 2-62
OMBCOPY on page 2-15	OMBIMPORT on page 2-35	OMBROLLBACK on page 2-66
OMBDCC on page 2-18	OMBIMPORT_MDL_FILE on page 2-38	OMBUNLOCK on page 2-67
OMBDEPLOY on page 2-19	OMBLIST on page 2-41	OMBVALIDATE on page 2-70

OMBCC

Purpose

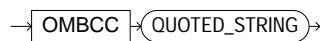
OMBCC - Change Context command allows users to change the current context to the desired location in OWB tree. The target context can be specified either as an absolute path starting from the root ('/') or as a relative path starting from the current context. Also, the path can contain '..', which allows to navigate "up" to the parent context.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseChangeContextCommand



Syntax

parseChangeContextCommand = OMBCC "QUOTED_STRING" ;

Keywords and Parameters

parseChangeContextCommand
Specify change context command.

QUOTED_STRING
The target context to switch to.

Examples

OMBCC '/'

changes the context to the root.

OMBCC '/MY_PROJECT/ORACLE_1'

changes the context to Oracle module 'ORACLE_1', within project 'MY_PROJECT'.

OMBCC '..' changes the context to the parent of current context (to the project level, if the current context is an Oracle module, for example).

See Also

OMBDCC

OMBCOMMIT

Purpose

OMBCOMMIT - Perform commit action on the repository.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseCommitCommand



Syntax

```
parseCommitCommand = OMBCOMMIT ;
```

Keywords and Parameters

parseCommitCommand
Specify commit command.

Examples

```
OMBCOMMIT
```

See Also

OMBROLLBACK

OMBCOMPARE_SNAPSHOT

Purpose

OMBCOMPARE SNAPSHOT - Change management is a key piece of metadata management. This command provides comparison services of any complex object model in the repository. This command writes the diff between snapshot/component to XML file.

Prerequisites

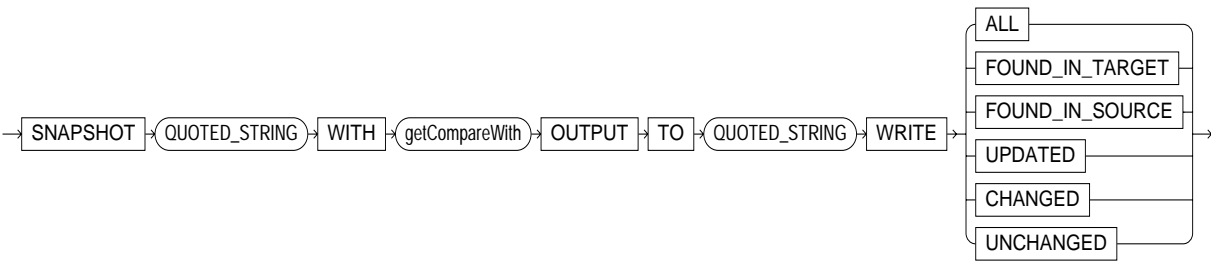
Snapshots can be compared from any context and either with another snapshot or the current repository objects.

Syntax Diagrams

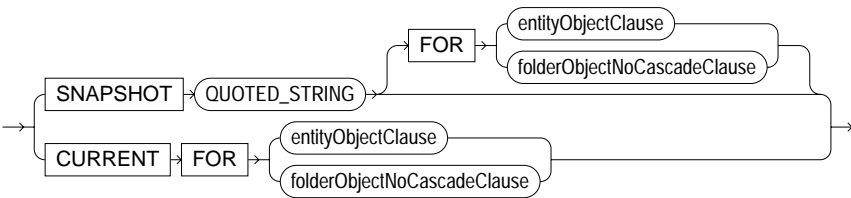
parseCompareCommand



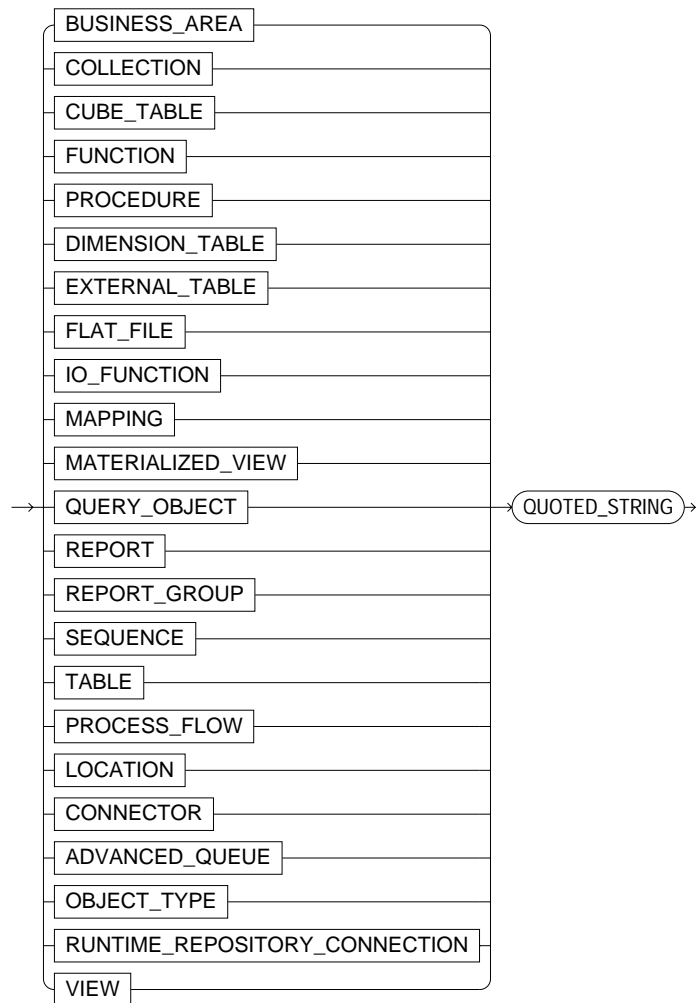
compareSnapshotCommand



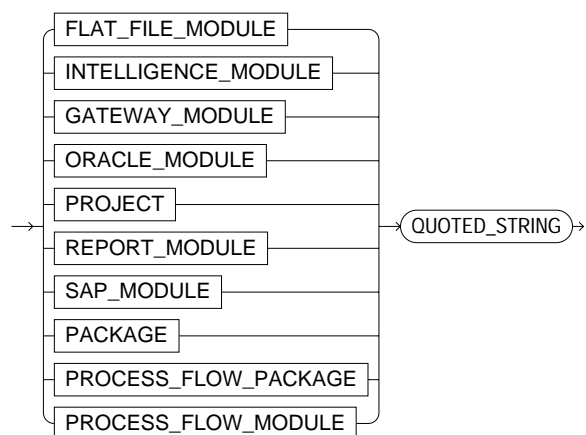
getCompareWith



entityObjectClause



folderObjectNoCascadeClause



Syntax

```
parseCompareCommand = OMBCOMPARE "compareSnapshotCommand";
```

```
compareSnapshotCommand = ( ( SNAPSHOT "QUOTED_STRING" ) WITH
"getCompareWith" OUTPUT TO "QUOTED_STRING" WRITE ( ALL | FOUND_IN_
TARGET | FOUND_IN_SOURCE | UPDATED | CHANGED | UNCHANGED ) );

getCompareWith = SNAPSHOT "QUOTED_STRING" [ FOR ( "entityObjectClause" |
"folderObjectNoCascadeClause" ) ] | ( CURRENT FOR ( "entityObjectClause" |
"folderObjectNoCascadeClause" ) );

entityObjectClause = ( ( BUSINESS_AREA | COLLECTION | CUBE_TABLE |
FUNCTION | PROCEDURE | DIMENSION_TABLE | EXTERNAL_TABLE | FLAT_
FILE | IO_FUNCTION | MAPPING | MATERIALIZED_VIEW | QUERY_OBJECT |
REPORT | REPORT_GROUP | SEQUENCE | TABLE | PROCESS_FLOW |
LOCATION | CONNECTOR | ADVANCED_QUEUE | OBJECT_TYPE | RUNTIME_
REPOSITORY_CONNECTION | VIEW ) "QUOTED_STRING" );

folderObjectNoCascadeClause = ( FLAT_FILE_MODULE | INTELLIGENCE_
MODULE | GATEWAY_MODULE | ORACLE_MODULE | PROJECT | REPORT_
MODULE | SAP_MODULE | PACKAGE | PROCESS_FLOW_PACKAGE |
PROCESS_FLOW_MODULE ) "QUOTED_STRING";
```

Keywords and Parameters

parseCompareCommand

Root production of OMBCOMPARE SNAPSHOT.

compareSnapshotCommand

To compare components of snapshots.

QUOTED_STRING

Name of source snapshot which needs to be compared with the target snapshot.

OUTPUT

Specifies output filename where the XML comparison result will written.

WRITE

Specifies filter clause which will make the diff engine only write specified objects of a certain diff state.

getCompareWith

Target of the comparison.

SNAPSHOT

Target snapshot which will be compared with the source snapshot.

FOR

Specifies component which exists in the current repository.

CURRENT

Indicates current component's definition as the target of compare action.

entityObjectClause

Clause that can either refer to the relative path of the component in the current repository or the fully-qualified path of an object from a snapshot. If both source and target are snapshots, then it has to be the fully-qualified path of the component within one of the snapshots. If the target is the current repository, then it has to be either the relative path of the component within the repository or the fully qualified path in the source snapshot.

folderObjectNoCascadeClause

Clause that can either refer to the relative path of the folder in the current repository or the fully-qualified path of a folder from a snapshot.

If both source and target are snapshots, then it has to be the fully-qualified path of the folder within one of the snapshots. If the target is the current repository, then it has to be either the relative path of the folder within the repository or the fully qualified path in the source snapshot.

Examples

```
OMBCOMPARE SNAPSHOT 'S1' WITH SNAPSHOT 'S2' OUTPUT TO 'd:diff.xml'  
WRITE CHANGED
```

This command compares snapshot S1 with S2, and writes objects with CHANGED state into diff.xml, Though the diff engine allows to compare any two snapshots, even two unrelated snapshots with total different components in them. CHANGED filter writes FOUND_IN_SOURCE or FOUND_IN_TARGET or UPDATED components, CHANGED state represents whole diff, OMBCOMPARE SNAPSHOT 'S1' WITH SNAPSHOT 'S2' OUTPUT TO 'd:diff.xml' WRITEFOUND_IN_SOURCE

```
This command writes objects which are only found in snapshot S1.OMBCOMPARE  
SNAPSHOT 'S1' WITH CURRENT FOR TABLE '/Project1/WH1/T1' OUTPUTTO  
'd:diff.xml' WRITE ALL
```

This command writes all table objects with any diff state.

See Also

OMBCREATE SNAPSHOT, OMBCREATE SNAPSHOT, OMBDROP SNAPSHOT,
OMBRESTORE SNAPSHOT, OMBLIST SNAPSHOT, OMBRETRIEVE SNAPSHOT

OMBCOMPILE

Purpose

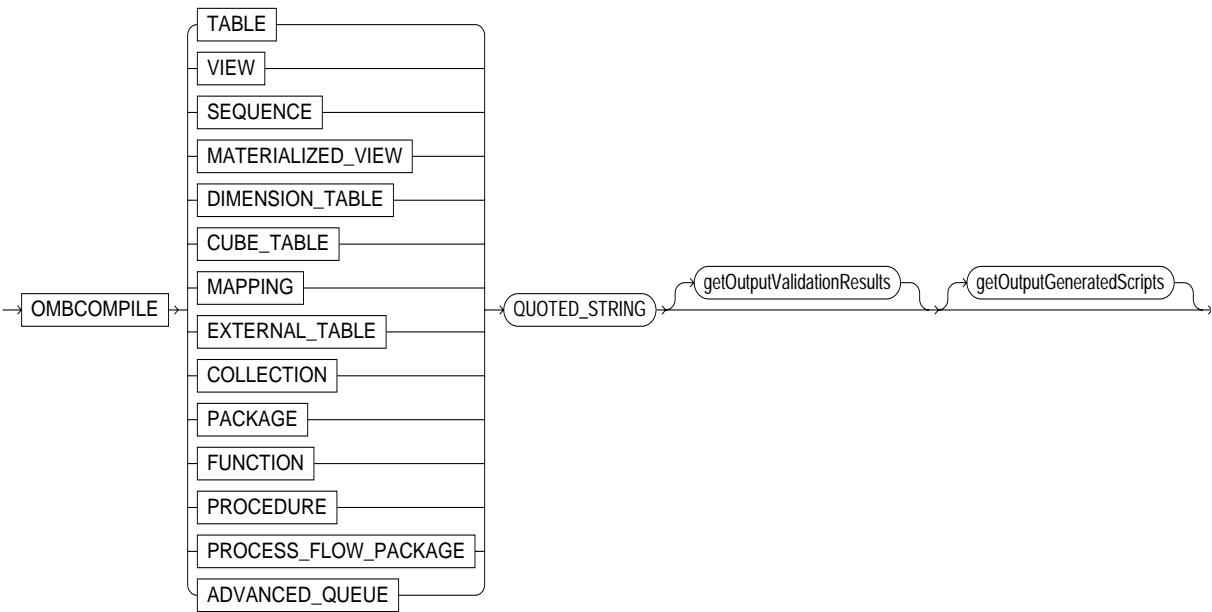
OMBCOMPILE - This command compiles an repository object. The results are generated in a file in a user defined directory.

Prerequisites

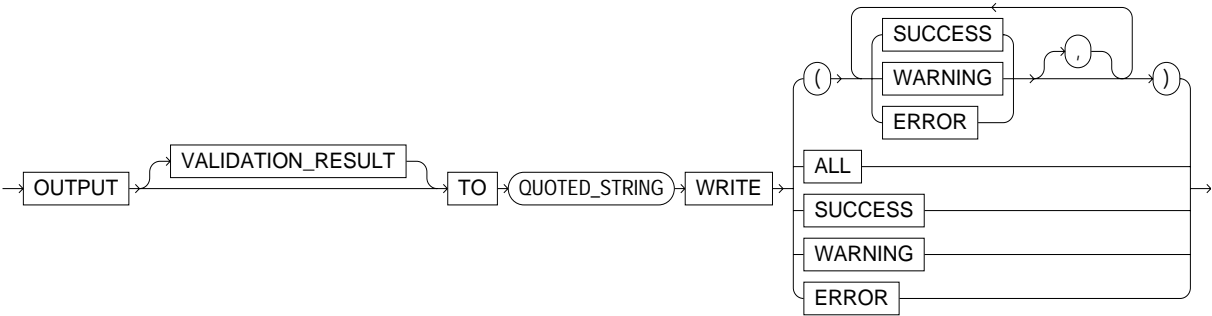
In the context of a Oracle Module.

Syntax Diagrams

parseCompileCommand



getOutputValidationResults



getOutputGeneratedScripts



Syntax

```
parseCompileCommand = OMB_COMPILE ( ( TABLE | VIEW | SEQUENCE |  
MATERIALIZED_VIEW | DIMENSION_TABLE | CUBE_TABLE | MAPPING |
```

```
EXTERNAL_TABLE | COLLECTION | PACKAGE | FUNCTION | PROCEDURE |
PROCESS_FLOW_PACKAGE | ADVANCED_QUEUE) "QUOTED_STRING" [
"getOutputValidationResults" ] [ "getOutputGeneratedScripts" ] );

getOutputValidationResults = OUTPUT [ VALIDATION_RESULT ] TO "QUOTED_
STRING" WRITE ( ( "(" ( ( SUCCESS | WARNING | ERROR ) [ "," ] ) + ")" ) | ALL |
SUCCESS | WARNING | ERROR );

getOutputGeneratedScripts = OUTPUT GENERATION_SCRIPTS TO "QUOTED_
STRING";
```

Keywords and Parameters

parseCompileCommand

This command compiles a repository object.

QUOTED_STRING

The name of the object.

getOutputValidationResults

This clause outputs the validation results to one or more files in the specified folder.

QUOTED_STRING

A directory where validation results are stored.

getOutputGeneratedScripts

This clause outputs the generated scripts for an object to one or more files in specified folder.

QUOTED_STRING

A directory where generated scripts are stored.

Examples

```
OMBCOMPILE TABLE 'T1' OUTPUT VALIDATION_RESULT TO '/tmp' WRITE
SUCCESSOUTPUT GENERATION_SCRIPTS TO '/tmp'. OMBCOMPILE TABLE 'T1'
OUTPUT GENERATION_SCRIPTS TO '/tmp' The first example gets the validation
results and generated scripts for the table, whereas the second example gets only the
generated scripts.
```

See Also

OMBVALIDATE

OMBCONN

Purpose

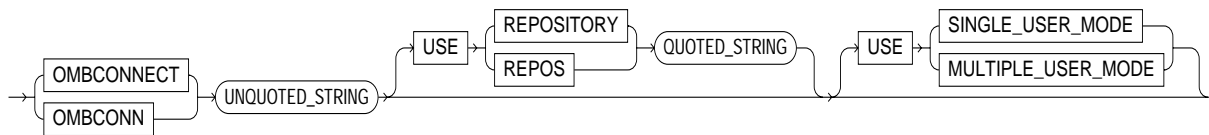
OMBCONN - To connect to a OWB repository.

Prerequisites

Must not be connected to another OWB repository. If connected to another repository, use OMBDISCONNECT to disconnect first.

Syntax Diagrams

parseConnectCommand



Syntax

```
parseConnectCommand = ( ( OMBCONNECT | OMBCONN ) "UNQUOTED_
STRING" [ USE ( REPOSITORY | REPOS ) "QUOTED_STRING" ] [ USE ( SINGLE_
USER_MODE | MULTIPLE_USER_MODE ) ] );
```

Keywords and Parameters

parseConnectCommand

Specify connect command.

UNQUOTED_STRING

Specify the connection string to the database, in the format:
username/password@host:port:service name

QUOTED_STRING

Optionally, specify the name of a repository to work on. If not provided, the default repository will be used.

SINGLE_USER_MODE

If specified, the user will use the repository exclusively.

MULTIPLE_USER_MODE

If specified, more than one session can work on the same repository at the same time. This is the default mode.

Examples

OMBCONNECT owb_normal_user/welcome@dwsun42:1521:dev817 USE
REPOSITORY'owb_repos' USE SINGLE_USER_MODE will connect a normal user
owb_normal_user to database and work on repository named 'owb_repos' in single
user mode.

See Also

OMBDISCONNECT

OMBCONNECT_RUNTIME

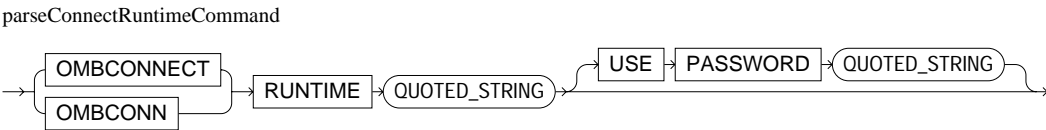
Purpose

OMBCONNECT_RUNTIME - To connect to a Runtime Platform using a named Runtime Location.

Prerequisites

There must be a current working project containing the named RuntimeLocation.

Syntax Diagrams



Syntax

parseConnectRuntimeCommand = ((OMBCONNECT | OMBCONN) RUNTIME "QUOTED_STRING" [USE PASSWORD "QUOTED_STRING"]) ;

Keywords and Parameters

- parseConnectRuntimeCommand**
Specify Runtime connect command.
- RUNTIME**
Specify a Runtime connection.
- QUOTED_STRING**
The Runtime Repository Connection name.
- PASSWORD**
The Runtime Repository Connection password.

Examples

OMBCONNECT_RUNTIME 'MyRuntimePlatformLocation' USE PASSWORD 'PaSsWoRd'

See Also

OMBDISCONNECT_RUNTIME

OMBCONNECT

Purpose

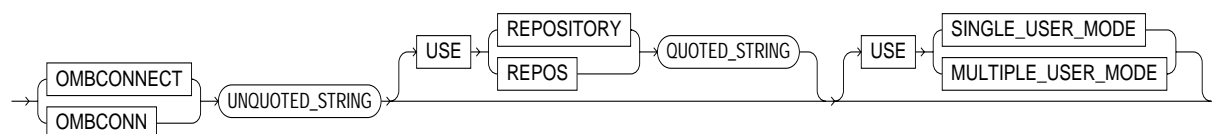
OMBCONNECT - To connect to a OWB repository.

Prerequisites

Must not be connected to another OWB repository. If connected to another repository, use OMBDISCONNECT to disconnect first.

Syntax Diagrams

parseConnectCommand



Syntax

```

parseConnectCommand = ( ( OMBCONNECT | OMBCONN ) "UNQUOTED_
STRING" [ USE ( REPOSITORY | REPOS ) "QUOTED_STRING" ] [ USE ( SINGLE_
USER_MODE | MULTIPLE_USER_MODE ) ] );

```

Keywords and Parameters

parseConnectCommand

Specify connect command.

UNQUOTED_STRING

Specify the connection string to the database, in the format:
username/password@host:port:service name

QUOTED_STRING

Optionally, specify the name of a repository to work on. If not provided, the default repository will be used.

SINGLE_USER_MODE

If specified, the user will use the repository exclusively.

MULTIPLE_USER_MODE

If specified, more than one session can work on the same repository at the same time. This is the default mode.

Examples

OMBCONNECT owb_normal_user/welcome@dwsun42:1521:dev817 USE
REPOSITORY 'owb_repos' USE SINGLE_USER_MODE will connect a normal user
owb_normal_user to database and work on repository named 'owb_repos' in single
user mode.

See Also

OMBDISCONNECT

OMBCOPY

Purpose

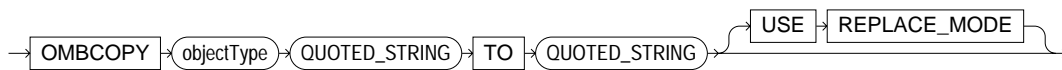
OMBCOPY - Copy one or more objects of the same object type. The replace option allows you to overwrite.

Prerequisites

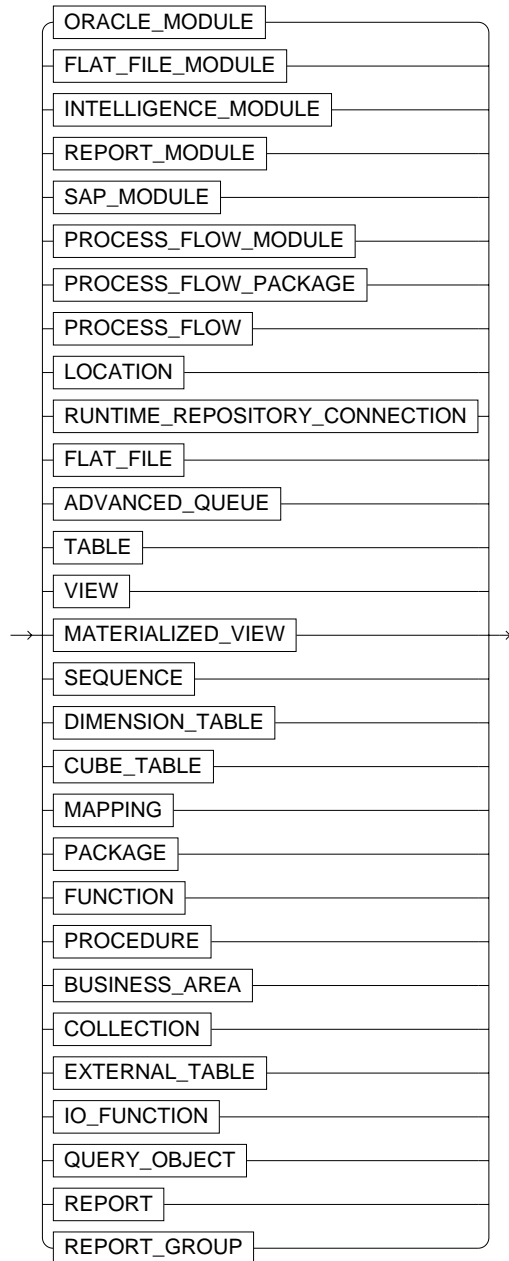
Use of relative path specifications requires awareness of the current context.

Syntax Diagrams

parseCopyCommand



objectType



Syntax

```
parseCopyCommand = OMBCOPY "objectType" "QUOTED_STRING" TO  
"QUOTED_STRING" [ USE REPLACE_MODE ];
```

```
objectType = ( ORACLE_MODULE | FLAT_FILE_MODULE | INTELLIGENCE_  
MODULE | REPORT_MODULE | SAP_MODULE | PROCESS_FLOW_MODULE |  
PROCESS_FLOW_PACKAGE | PROCESS_FLOW | LOCATION | RUNTIME_  
REPOSITORY_CONNECTION | FLAT_FILE | ADVANCED_QUEUE | TABLE |  
VIEW | MATERIALIZED_VIEW | SEQUENCE | DIMENSION_TABLE | CUBE_  
TABLE | MAPPING | PACKAGE | FUNCTION | PROCEDURE | BUSINESS_AREA  
| COLLECTION | EXTERNAL_TABLE | IO_FUNCTION | QUERY_OBJECT |  
REPORT | REPORT_GROUP );
```

Keywords and Parameters

parseCopyCommand

Specifies the source object type, source path, and target path for the object to copy.

QUOTED_STRING

Source and target path specifications can be absolute or relative. To copy multiple objects, include a regular expression as the final step of the source path. If you are copying multiple objects, the final step of the target path must be the folder to which the objects are being copied. If you are only copying one object, you can specify the object's original name or a new name as the final step of the target path.

REPLACE_MODE

Use this option to overwrite existing target objects.

objectType

Copying objects is subject to the following restrictions: 1. You cannot copy an entire project. 2. When copying objects between projects, you can only copy objects into the current project; you cannot copy objects out to other projects.

Examples

```
OMBCOPY TABLE 'MY_TABLE1' TO 'MY_TABLE2' USE REPLACE_MODE
```

```
OMBCOPY ORACLE_MODULE '/MY_PROJECT/WH1' TO '/MY_PROJECT/WH2'
```

```
OMBCOPY TABLE 'MY_.*' TO '/MY_PROJECT/WH2'
```

See Also

OMBMOVE

OMBDCC

Purpose

OMBDCC - Display Current Context command displays the current context (location) and, for contexts other than the root ('/'), the type of the current folder.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseDisplayCurrentContextCommand



Syntax

parseDisplayCurrentContextCommand = OMBDCC ;

Keywords and Parameters

parseDisplayCurrentContextCommand
Specify display current context command.

Examples

OMBDCC will display
/
if the current context is the root.
OMBDCC will display
PROJECT /MY_PROJECT
if the current context is the project 'MY_PROJECT'.

See Also

OMBCC

OMBDEPLOY

Purpose

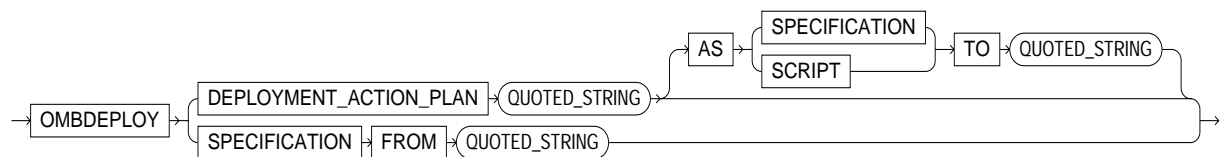
OMBDEPLOY - To Deploy Action Plans to Runtime Platforms or File Systems.

Prerequisites

A Runtime Platform connection and a named Deployment Action Plan are required. Also, the current Context must be either an Oracle Module, a Process Flow Module or a Location.

Syntax Diagrams

parseDeployCommand



Syntax

```

parseDeployCommand = OMBDEPLOY ( ( DEPLOYMENT_ACTION_PLAN
"QUOTED_STRING" [ AS ( SPECIFICATION | SCRIPT ) TO "QUOTED_STRING" ] )
| ( SPECIFICATION FROM "QUOTED_STRING" ) );

```

Keywords and Parameters

parseDeployCommand

Specify Deploy command.

DEPLOYMENT_ACTION_PLAN

Deploy a Deployment Action Plan.

QUOTED_STRING

The Deployment Action Plan name. Or, the directory (if AS SCRIPT) or filename (if AS SPECIFICATION) into which the deployment is performed. Or, the source XML filename (if SPECIFICATION FROM).

AS

Perform the Deployment to a File System.

SPECIFICATION

Deploy as a Deployment Specification XML file.

SCRIPT

Deploy as a set of Oracle Script files.

FROM

Perform the Deployment from a file on a File System.

Examples

```
OMBDEPLOY DEPLOYMENT_ACTION_PLAN 'MY_DEPLOY_PLAN'
```

OMBDESCRIBE_CLASS_DEFINITION

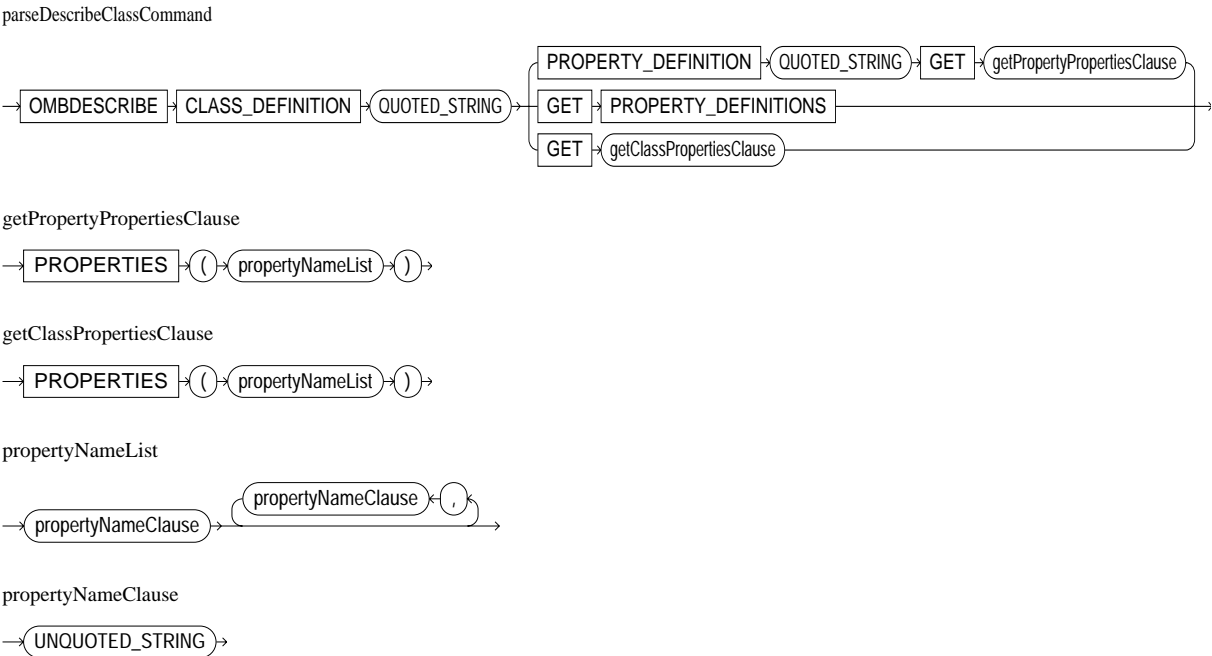
Purpose

OMBDESCRIBE CLASS_DEFINITION - To describe a class definition or its property definitions.

Prerequisites

Class definition must be already exist. This command can be executed for any class definition regardless of current context.

Syntax Diagrams



Syntax

```

parseDescribeClassCommand = OMBDESCRIBE CLASS_DEFINITION "QUOTED_
STRING" ( ( PROPERTY_DEFINITION "QUOTED_STRING" GET
"getPropertyPropertiesClause" ) | ( GET PROPERTY_DEFINITIONS ) | GET
"getClassPropertiesClause" );

getPropertyPropertiesClause = PROPERTIES "( " "propertyNameList" ")";
getClassPropertiesClause = PROPERTIES "( " "propertyNameList" ")";
propertyNameList = "propertyNameClause" { "," "propertyNameClause" };
propertyNameClause = ( "UNQUOTED_STRING" );
  
```

Keywords and Parameters

parseDescribeClassCommand
Describe a class definition.

QUOTED_STRING

Name of the class definition.

PROPERTY_DEFINITIONS

Get the list of property definitions for the class definition.

getPropertyPropertiesClause

Get properties for the property definition.

PROPERTIES

Get the properties.

getClassPropertiesClause

Get properties for the class definition.

Basic properties for PROPERTY_DEFINITION:

Name: TYPEType: STRING(200)

Valid Values: N/A

Default: N/A

Name of the type of the property definition.

Name: DEFAULT_VALUE

Type: STRING(4000)

Valid Values: Depends on the type of the property definition.

Default: N/A

Default value of the property definition.

Basic properties for CLASS_DEFINITION:

Name: SCRIPT_NAMEType: STRINGValid Values: N/A

Default: N/A

Scripting name of the class definition.

Name: STEREOTYPEType: STRING

Valid Values: interface/class

Default: class

Stereotype of the class definition.

Name: IS_ABSTRACTType: BOOLEANValid Values: true/false

Default: false

If class is abstract, return true.

Name: DESCRIPTIONType: STRINGValid Values: N/A

Default: N/A

Description of the class definition.

PROPERTIES

Get the properties on the class definition.

propertyNameList

List of the names of the properties.

propertyNameClause

Name of the property.

UNQUOTED_STRING

Name of the property.

Examples

OMBDESCRIBE CLASS_DEFINITION 'TABLE' GET PROPERTY_DEFINITION This will list all property definitions in this class definition. OMBDESCRIBE CLASS_DEFINITION 'TABLE' GET PROPERTIES (STEREOTYPE, IS_ABSTRACT, DESCRIPTION) This will give the information about this class. OMBDESCRIBE CLASS_DEFINITION 'TABLE' PROPERTY_DEFINITION 'tbl_udp' GET PROPERTIES (TYPE, DEFAULT_VALUE, BUSINESS_NAME) This will give the information about the property definition.

See Also

OMBREDEFINE CLASS_DEFINITION

OMBDISC

Purpose

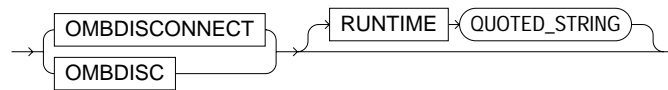
OMBDISC - To disconnect from a OWB repository or the named RuntimePlatform.

Prerequisites

Currently need to be connected to a OWB repository or the named RuntimePlatform.

Syntax Diagrams

parseDisconnectCommand



Syntax

```
parseDisconnectCommand = ( ( OMBDISCONNECT | OMBDISC ) [ RUNTIME
"QUOTED_STRING" ] ) ;
```

Keywords and Parameters

parseDisconnectCommand

Specify disconnect command.

QUOTED_STRING

Specify the run time repository name to disconnect.

Examples

OMBDISCONNECT

See Also

OMBCONNECT

OMBDISCONNECT

Purpose

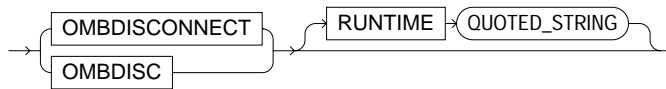
OMBDISCONNECT - To disconnect from a OWB repository or the named RuntimePlatform.

Prerequisites

Currently need to be connected to a OWB repository or the named RuntimePlatform.

Syntax Diagrams

parseDisconnectCommand



Syntax

```
parseDisconnectCommand = ( ( OMBDISCONNECT | OMBDISC ) [ RUNTIME  
"QUOTED_STRING" ] ) ;
```

Keywords and Parameters

parseDisconnectCommand
Specify disconnect command.

QUOTED_STRING
Specify the run time repository name to disconnect.

Examples

OMBDISCONNECT

See Also

OMBCONNECT

OMBENV

Purpose

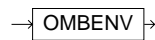
OMBENV - This command will list the values for all set OMBPlus environment variables. OMBPlus environment variables are regular Tcl variables, so they can be set using standard Tcl "set" command, and unset using standard "unset" command.

Prerequisites

None.

Syntax Diagrams

parseEnvironmentCommand



Syntax

parseEnvironmentCommand = OMBENV ;

Keywords and Parameters

parseEnvironmentCommand

Specify environment command. The environment variables recognized by OMBPlus are:

OMBPROMPT if set, will display the current context as the prompt

OMBLOG if set with a file name, will log the output to that file

OMBTIMER if set, will display the time taken by the executed command.

Note that the elapsed time will be appended to the command result, therefore the user should not set this variable when the result of the command is expected to be processed.

OMBCONTINUE_ON_ERROR if set, will continue the execution of the script, even when some OMB commands fail. Note that if this variable is set, OMB commands no longer return Tcl errors, so any enclosing 'catch' command will not be effective.

Examples

OMBENV

OMBEXPORT

Purpose

OMBEXPORT - Exports current metadata or snapshot metadata to a metadata loader file and metadata definitions to a metadata definition file.

Prerequisites

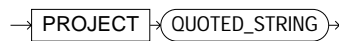
Connection must be established to repository to be exported from.

Syntax Diagrams

ExportCommand



projectClause



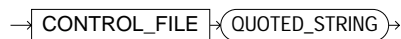
componentsClause



useFieldSeparatorClause



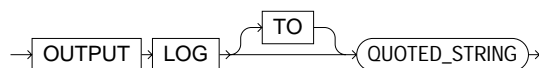
controlFileClause



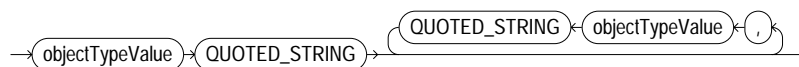
definitionFileClause



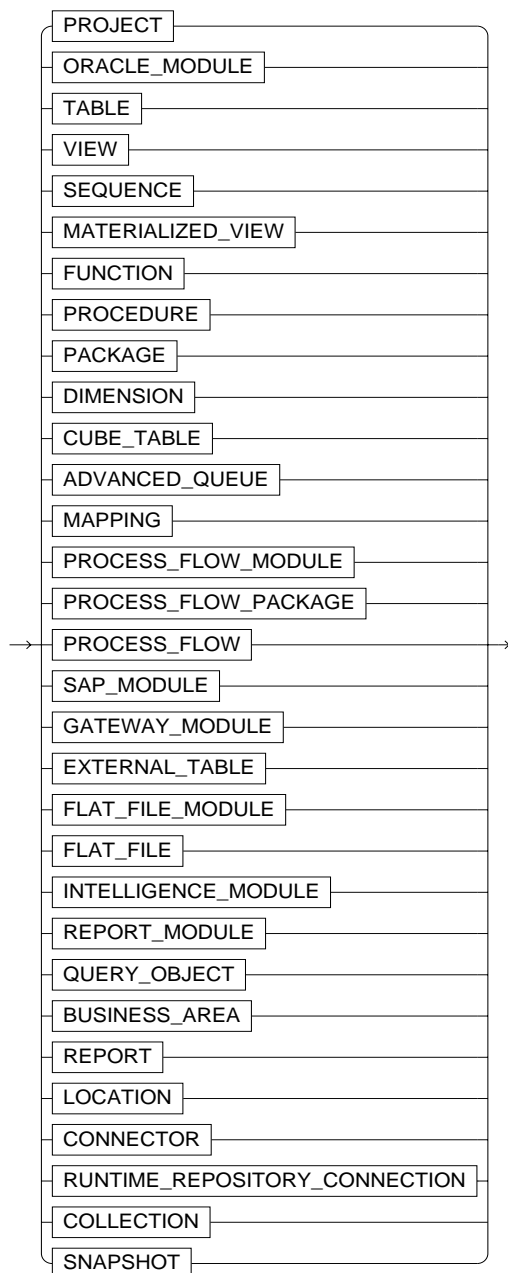
outputLogClause



componentsList



objectTypeValue



Syntax

```
ExportCommand = OMBEXPORT ( ( [ TO ] MDL_FILE "QUOTED_STRING" [ FROM
] [ "projectClause" ] [ "componentsClause" ] [ "useFieldSeparatorClause" ] [
"controlFileClause" ] [ "definitionFileClause" ] "outputLogClause" ) );
```

```
projectClause = PROJECT "QUOTED_STRING";
```

```
componentsClause = COMPONENTS "( " "componentsList" ")";
```

```
useFieldSeparatorClause = [ USE ] FIELD_SEPARATOR "UNQUOTED_STRING";
```

```
controlFileClause = CONTROL_FILE "QUOTED_STRING";
```

```
definitionFileClause = OUTPUT DEFINITION_FILE [ TO ] "QUOTED_STRING";
```

```
outputLogClause = OUTPUT LOG [ TO ] "QUOTED_STRING";  
componentsList = "objectTypeValue" "QUOTED_STRING" { "," "objectTypeValue"  
"QUOTED_STRING" };  
  
objectTypeValue = ( PROJECT | ORACLE_MODULE | TABLE | VIEW | SEQUENCE  
| MATERIALIZED_VIEW | FUNCTION | PROCEDURE | PACKAGE |  
DIMENSION | CUBE_TABLE | ADVANCED_QUEUE | MAPPING | PROCESS_  
FLOW_MODULE | PROCESS_FLOW_PACKAGE | PROCESS_FLOW | SAP_  
MODULE | GATEWAY_MODULE | EXTERNAL_TABLE | FLAT_FILE_MODULE |  
FLAT_FILE | INTELLIGENCE_MODULE | REPORT_MODULE | QUERY_OBJECT |  
BUSINESS_AREA | REPORT | LOCATION | CONNECTOR | RUNTIME_  
REPOSITORY_CONNECTION | COLLECTION | SNAPSHOT );
```

Keywords and Parameters

ExportCommand

ExportCmdParser\$ExportCommand??

QUOTED_STRING

Enclose the name of the export metadata file in single quotes.

projectClause

Specify the project to be exported.

componentsClause

List components to be exported.

useFieldSeparatorClause

Specify character to be used as the field separator in the metadata file.

UNQUOTED_STRING

Metadata file field separator. Use BAR or CARAT. The default is BAR.

controlFileClause

Specify a control file with export options not directly supported by OMBEXPORT command.

QUOTED_STRING

Enclose the control file name in single quotes.

definitionFileClause

Export metadata definitions to a metadata definition (.mdd) file. If metadata definitions are not defined, a file is not created.

QUOTED_STRING

Enclose the name of the metadata definition file to be exported in single quotes.

outputLogClause

Export log file for export messages and statistics.

QUOTED_STRING

Enclose the log file name in single quotes.

componentsList

Comma separated list of components to be exported.

QUOTED_STRING

Absolute or relative path name of an object (e.g. 'MODULE_X/TABLE_Y').

objectTypeValue

Object type to be exported (e.g. TABLE, VIEW etc.).

Examples

```
OMBEXPORT TO MDL_FILE 'd:/mdl/exp1.mdl' FROM PROJECT 'MY_PROJECT'  
OUTPUTLOG TO 'd:/mdl/exp1.log'
```

```
OMBEXPORT TO MDL_FILE 'd:/mdl/exp1.mdl' FROM PROJECT 'MY_PROJECT'  
USEFIELD_SEPARATOR CARAT OUTPUT LOG TO 'd:/mdl/exp1.log'
```

```
OMBEXPORT MDL_FILE 'd:/mdl/exp1.mdl' PROJECT 'MY_PROJECT'  
COMPONENTS(ORACLE_MODULE 'DW1', TABLE 'EMP', VIEW 'DEPT_VW')  
OUTPUT LOG 'd:/mdl/exp1.log'
```

See Also

OMBIMPORT

OMBEXPORT_MDL_FILE

Purpose

OMBEXPORT MDL_FILE - Exports current metadata or snapshot metadata to a metadata loader file and metadata definitions to a metadata definition file.

Prerequisites

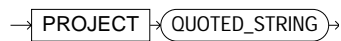
Connection must be established to repository to be exported from.

Syntax Diagrams

ExportCommand



projectClause



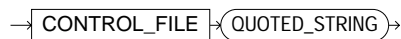
componentsClause



useFieldSeparatorClause



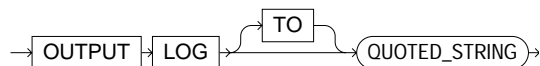
controlFileClause



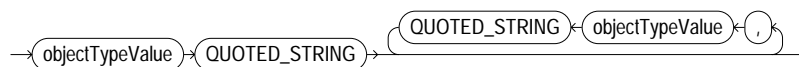
definitionFileClause



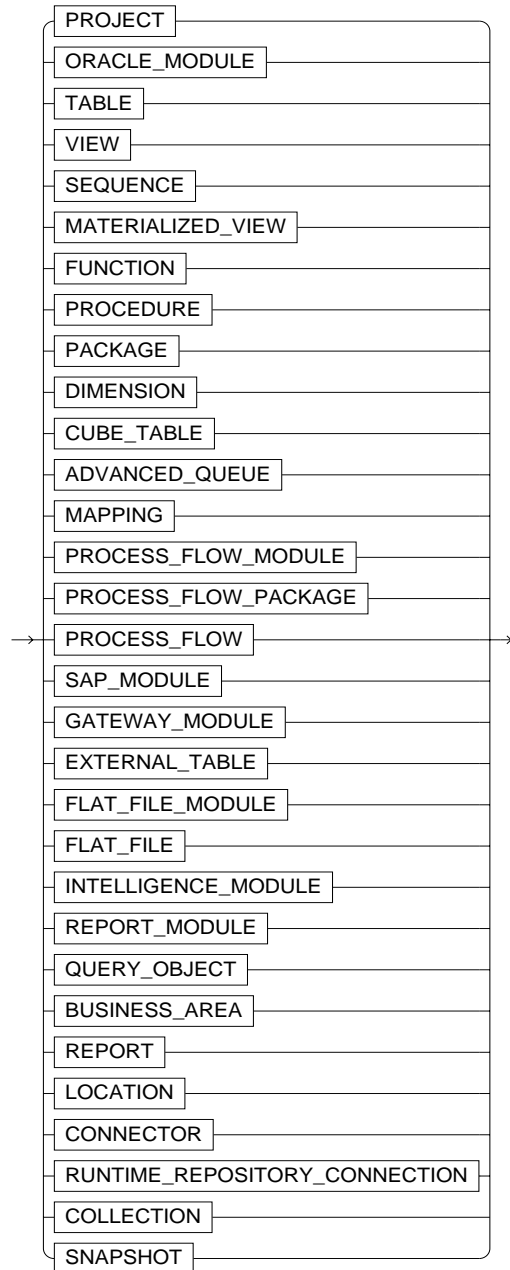
outputLogClause



componentsList



objectTypeValue



Syntax

```
ExportCommand = OMBEXPORT ( ( [ TO ] MDL_FILE "QUOTED_STRING" [ FROM
] [ "projectClause" ] [ "componentsClause" ] [ "useFieldSeparatorClause" ] [
"controlFileClause" ] [ "definitionFileClause" ] "outputLogClause" ) );
```

```
projectClause = PROJECT "QUOTED_STRING";
```

```
componentsClause = COMPONENTS "( " "componentsList" ")";
```

```
useFieldSeparatorClause = [ USE ] FIELD_SEPARATOR "UNQUOTED_STRING";
```

```
controlFileClause = CONTROL_FILE "QUOTED_STRING";
```

```
definitionFileClause = OUTPUT DEFINITION_FILE [ TO ] "QUOTED_STRING";
```

```
outputLogClause = OUTPUT LOG [ TO ] "QUOTED_STRING";  
componentsList = "objectTypeValue" "QUOTED_STRING" { "," "objectTypeValue"  
"QUOTED_STRING" };  
  
objectTypeValue = ( PROJECT | ORACLE_MODULE | TABLE | VIEW | SEQUENCE  
| MATERIALIZED_VIEW | FUNCTION | PROCEDURE | PACKAGE |  
DIMENSION | CUBE_TABLE | ADVANCED_QUEUE | MAPPING | PROCESS_  
FLOW_MODULE | PROCESS_FLOW_PACKAGE | PROCESS_FLOW | SAP_  
MODULE | GATEWAY_MODULE | EXTERNAL_TABLE | FLAT_FILE_MODULE |  
FLAT_FILE | INTELLIGENCE_MODULE | REPORT_MODULE | QUERY_OBJECT |  
BUSINESS_AREA | REPORT | LOCATION | CONNECTOR | RUNTIME_  
REPOSITORY_CONNECTION | COLLECTION | SNAPSHOT );
```

Keywords and Parameters

ExportCommand

ExportCmdParser\$ExportCommand??

QUOTED_STRING

Enclose the name of the export metadata file in single quotes.

projectClause

Specify the project to be exported.

componentsClause

List components to be exported.

useFieldSeparatorClause

Specify character to be used as the field separator in the metadata file.

UNQUOTED_STRING

Metadata file field separator. Use BAR or CARAT. The default is BAR.

controlFileClause

Specify a control file with export options not directly supported by OMBEXPORT command.

QUOTED_STRING

Enclose the control file name in single quotes.

definitionFileClause

Export metadata definitions to a metadata definition (.mdd) file. If metadata definitions are not defined, a file is not created.

QUOTED_STRING

Enclose the name of the metadata definition file to be exported in singletrees.

outputLogClause

Export log file for export messages and statistics.

QUOTED_STRING

Enclose the log file name in single quotes.

componentsList

Comma separated list of components to be exported.

QUOTED_STRING

Absolute or relative path name of an object (e.g. 'MODULE_X/TABLE_Y').

objectTypeValue

Object type to be exported (e.g. TABLE, VIEW etc.).

Examples

```
OMBEXPORT TO MDL_FILE 'd:/mdl/exp1.mdl' FROM PROJECT 'MY_PROJECT'  
OUTPUTLOG TO 'd:/mdl/exp1.log'
```

```
OMBEXPORT TO MDL_FILE 'd:/mdl/exp1.mdl' FROM PROJECT 'MY_PROJECT'  
USEFIELD_SEPARATOR CARAT OUTPUT LOG TO 'd:/mdl/exp1.log'
```

```
OMBEXPORT MDL_FILE 'd:/mdl/exp1.mdl' PROJECT 'MY_PROJECT'  
COMPONENTS(ORACLE_MODULE 'DW1', TABLE 'EMP', VIEW 'DEPT_VW')  
OUTPUT LOG 'd:/mdl/exp1.log'
```

See Also

OMBIMPORT MDL_FILE

OMBHELP

Purpose

OMBHELP - Displays the manual page for OMB commands.

Prerequisites

None.

Syntax Diagrams

parseHelpCommand



Syntax

`parseHelpCommand = OMBHELP [HELPID] [DETAIL] ;`

Keywords and Parameters

parseHelpCommand

Specifies the command for which to invoke help.

HELPID

An unquoted string that represents either the command name and the optional additional parameter on the command.

DETAIL

Use this keyword to display the manual page in long format.

Examples

The following statement shows the manual page for `OMBCREATE TABLE` in short format

```
OMBHELP OMBCREATE TABLE
```

To show the manual page in long format (including parameters and example sections), use the `DETAIL` keyword, like this:

```
OMBHELP OMBCREATE TABLE DETAIL
```

OMBIMPORT

Purpose

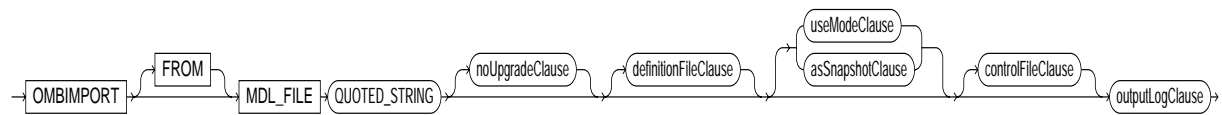
OMBIMPORT - Imports metadata from a Metadata Loader file.

Prerequisites

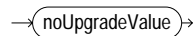
Must be connected to the repository where the import is to be performed.

Syntax Diagrams

ImportCommand



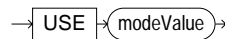
noUpgradeClause



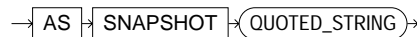
definitionFileClause



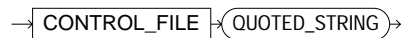
useModeClause



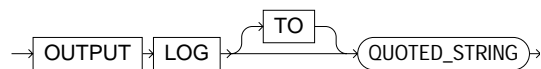
asSnapshotClause



controlFileClause



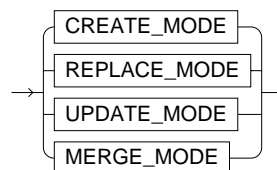
outputLogClause



noUpgradeValue



modeValue



Syntax

```
ImportCommand = OMBIMPORT ( ( [ FROM ] MDL_FILE "QUOTED_STRING" [
    "noUpgradeClause" ] [ "definitionFileClause" ] [ "useModeClause" |
    "asSnapshotClause" ] [ "controlFileClause" ] "outputLogClause" ) );
noUpgradeClause = "noUpgradeValue";
definitionFileClause = DEFINITION_FILE "QUOTED_STRING";
useModeClause = USE "modeValue";
asSnapshotClause = AS SNAPSHOT "QUOTED_STRING";
controlFileClause = CONTROL_FILE "QUOTED_STRING";
outputLogClause = OUTPUT LOG [ TO ] "QUOTED_STRING";
noUpgradeValue = ( NO_UPGRADE );
modeValue = ( CREATE_MODE | REPLACE_MODE | UPDATE_MODE | MERGE_
MODE );
```

Keywords and Parameters

ImportCommand

Import metadata from a file.

QUOTED_STRING

Enclose the import metadata file name in single quotes.

noUpgradeClause

Specify that MDL files that are not compatible with current repository version should not be automatically upgraded. The default is to automatically upgrade unless this clause is used.

definitionFileClause

Import metadata definitions from a file.

QUOTED_STRING

Enclose the import metadata definition file name in single quotes.

useModeClause

Specify import mode for importing metadata file.

asSnapshotClause

Specify a new snapshot name into which the contents of the MDL file are to be imported. Use this option to import old archive files as snapshots.

QUOTED_STRING

Enclose the new snapshot name in single quotes.

controlFileClause

Specify a control file with import options not directly supported by the OMBIMPORT command.

QUOTED_STRING

Enclose the control file name in single quotes.

outputLogClause

Log file for import messages and statistics.

QUOTED_STRING

Enclose the log file name in single quotes.

modeValue

Import mode. Use CREATE_MODE, REPLACE_MODE, UPDATE_MODE, or MERGE_MODE. The default is CREATE_MODE.

Examples

```
OMBIMPORT FROM MDL_FILE 'd:/mdl/exp1.mdl' OUTPUT LOG TO  
'd:/mdl/exp1_imp.log'
```

```
OMBIMPORT MDL_FILE 'd:/mdl/exp1.mdl' USE UPDATE_MODE OUTPUT LOG  
TO 'd:/mdl/exp1_imp.log'
```

See Also

OMBEXPORT

OMBIMPORT_MDL_FILE

Purpose

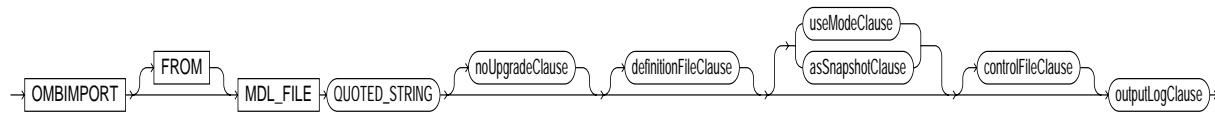
OMBIMPORT MDL_FILE - Imports metadata from a Metadata Loader file.

Prerequisites

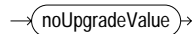
Must be connected to the repository where the import is to be performed.

Syntax Diagrams

ImportCommand



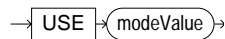
noUpgradeClause



definitionFileClause



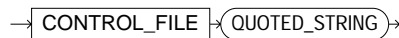
useModeClause



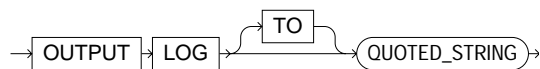
asSnapshotClause



controlFileClause



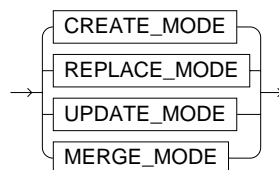
outputLogClause



noUpgradeValue



modeValue



Syntax

```

ImportCommand = OMBIMPORT ( ( [ FROM ] MDL_FILE "QUOTED_STRING" [
    "noUpgradeClause" ] [ "definitionFileClause" ] [ "useModeClause" |
    "asSnapshotClause" ] [ "controlFileClause" ] "outputLogClause" ) );
noUpgradeClause = "noUpgradeValue";
definitionFileClause = DEFINITION_FILE "QUOTED_STRING";
useModeClause = USE "modeValue";
asSnapshotClause = AS SNAPSHOT "QUOTED_STRING";
controlFileClause = CONTROL_FILE "QUOTED_STRING";
outputLogClause = OUTPUT LOG [ TO ] "QUOTED_STRING";
noUpgradeValue = ( NO_UPGRADE );
modeValue = ( CREATE_MODE | REPLACE_MODE | UPDATE_MODE | MERGE_
MODE );

```

Keywords and Parameters

ImportCommand

Import metadata from a file.

QUOTED_STRING

Enclose the import metadata file name in single quotes.

noUpgradeClause

Specify that MDL files that are not compatible with current repository version should not be automatically upgraded. The default is to automatically upgrade unless this clause is used.

definitionFileClause

Import metadata definitions from a file.

QUOTED_STRING

Enclose the import metadata definition file name in single quotes.

useModeClause

Specify import mode for importing metadata file.

asSnapshotClause

Specify a new snapshot name into which the contents of the MDL file are to be imported. Use this option to import old archive files as snapshots.

QUOTED_STRING

Enclose the new snapshot name in single quotes.

controlFileClause

Specify a control file with import options not directly supported by the OMBIMPORT command.

QUOTED_STRING

Enclose the control file name in single quotes.

outputLogClause

Log file for import messages and statistics.

QUOTED_STRING

Enclose the log file name in single quotes.

modeValue

Import mode. Use CREATE_MODE, REPLACE_MODE, UPDATE_MODE, or MERGE_MODE. The default is CREATE_MODE.

Examples

```
OMBIMPORT FROM MDL_FILE 'd:/mdl/exp1.mdl' OUTPUT LOG TO  
'd:/mdl/exp1_imp.log'
```

```
OMBIMPORT MDL_FILE 'd:/mdl/exp1.mdl' USE UPDATE_MODE OUTPUT LOG  
TO 'd:/mdl/exp1_imp.log'
```

See Also

OMBEXPORT MDL_FILE

OMBLIST

Purpose

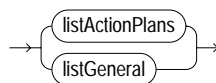
OMBLIST - This command lists the specified Warehouse Builder objects under the current folder. You can also provide a regular expression to list objects in a different folder and/or to list objects with names matching a pattern. Before displaying the objects, this command first refreshes the object list from the repository. This means that the list of objects returned also reflects any additions or deletions by other users.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseListCommand



listActionPlans



listGeneral



Syntax

parseListCommand = "listActionPlans" | "listGeneral" ;

listActionPlans = OMBLIS DEPLOYMENT_ACTION_PLANS ["QUOTED_STRING"] ;

listGeneral = OMBLIS "UNQUOTED_STRING" ["QUOTED_STRING"] ;

Keywords and Parameters

parseListCommand

Specify the list command.

listActionPlans

Deployment action plans are listed.

listGeneral

OWB objects of the specified type are listed.

UNQUOTED_STRING

The type (plural) of the objects to be listed. Valid object types are: PROJECTS, ORACLE_MODULES, FLAT_FILE_MODULES, PROCESS_FLOW_MODULES, SAP_MODULES, INTELLIGENCE_MODULES, REPORT_MODULES, TRANSFORMATION_MODULES, PACKAGES, ADVANCED_QUEUES, BUSINESS_AREAS, COLLECTIONS, CONNECTORS, CUBE_TABLES, DIMENSION_TABLES,

EXTERNAL_TABLES, FLAT_FILES, FUNCTIONS, IO_FUNCTIONS, MAPPINGS, MATERIALIZED_VIEWS, OBJECT_TYPES, PROCEDURES, QUERY_OBJECTS, REPORTS, REPORT_GROUPS, SEQUENCES, TABLES, PROCESS_FLOWS, PROCESS_FLOW_PACKAGES, LOCATIONS, RUNTIME_REPOSITORY_CONNECTIONS, VIEWS.

QUOTED_STRING

Optionally, specify a regular expression, which is used to filter the results.

The syntax of the regular expressions follow the syntax from TCL.

Here are some of the quantifiers:

* -- represents a sequence of 0 or more matches of the atom.

+ -- represents a sequence of 1 or more matches of the atom.

? -- represents a sequence of 0 or 1 matches of the atom.

{m} -- represents a sequence of exactly m matches of the atom.

Here are some of the atoms:

. -- matches any single character

{ } -- matches an empty string, noted for possible reporting.

k -- (where k is a non-alphanumeric character) matches that character taken as an ordinary character,

e.g. \ matches a backslash character.

c -- where c is alphanumeric (possibly followed by other characters), an escape.

(re) -- (where re is any regular expression) matches a match for re, with the match noted for possible reporting.

[char] -- a bracket expression, matching any one of the chars.

Further documentation on the syntax can be found at the TCL manual page under the command 'regex'.

Examples

OMBLIST TABLES

will list the tables under the current Oracle module folder context (if the current context is not an Oracle module, an error will be produced).

OMBLIST ORACLE_MODULES '/MY_PROJECT/O.*'

will list Oracle modules starting with letter 'O', within project 'MY_PROJECT'.

OMBLIST ORACLE_MODULES '/MY_PROJECT/[ABC].*'

will list Oracle modules starting with either letter A or B or C, within project 'MY_PROJECT'.

OMBLIST_SNAPSHOT

OMBLOCK

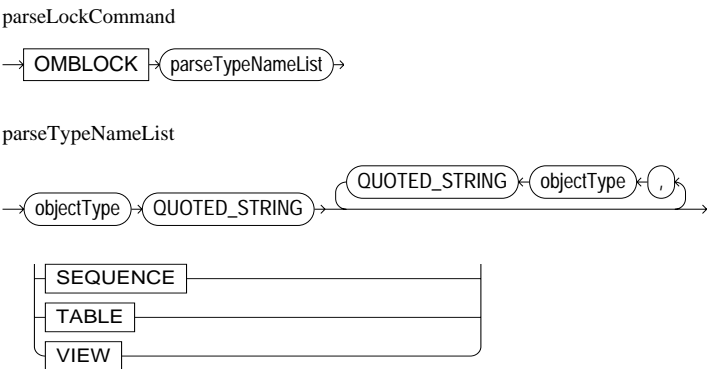
Purpose

OMBLOCK - Lock one or more objects. If a list of objects is specified, the objects will be locked one by one in the given order. The command will behave atomically, i.e. if it fails to lock any of the objects in the list, then it will lock none of them.

Prerequisites

No other user should have a lock on any of the objects.

Syntax Diagrams



Syntax

```
parseLockCommand = OMBLOCK "parseTypeNameList" ;
parseTypeNameList = "objectType" "QUOTED_STRING" { "," "objectType"
"QUOTED_STRING" };

objectType = ( ADVANCED_QUEUE | BUSINESS_AREA | COLLECTION |
CONNECTOR | CUBE_TABLE | DIMENSION_TABLE | EXTERNAL_TABLE |
FLAT_FILE_MODULE | FLAT_FILE | FUNCTION | GATEWAY_MODULE |
INTELLIGENCE_MODULE | IO_FUNCTION | LOCATION | MAPPING |
MATERIALIZED_VIEW | OBJECT_TYPE | ORACLE_MODULE | PACKAGE |
PROCEDURE | PROCESS_FLOW | PROCESS_FLOW_MODULE | PROCESS_
FLOW_PACKAGE | PROJECT | QUERY_OBJECT | REPORT | REPORT_GROUP |
REPORT_MODULE | RUNTIME_REPOSITORY_CONNECTION | SAP_MODULE |
SEQUENCE | TABLE | VIEW );
```

Keywords and Parameters

parseLockCommand
Specify lock command.

parseTypeNameList
Specify the object or the list of objects to be locked.

QUOTED_STRING

Name of the object to be locked. Can be specified as an absolute path or as a path relative to the current context. However, there is the restriction that all objects to be locked must be in the current project.

objectType

Type of the object to be locked.

Examples

```
OMBLOCK TABLE 'T1', VIEW '/MY_PROJECT/ORACLE_1/V1'
```

will lock table 'T1' in the current module, and view 'V1' in Oracle module 'ORACLE_1' from project 'MY_PROJECT'.

See Also

OMBUNLOCK

OMBMOVE

Purpose

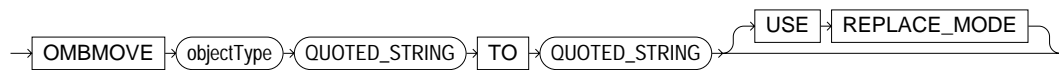
OMBMOVE - Move one or more objects of the same object type. The replace option allows you to overwrite.

Prerequisites

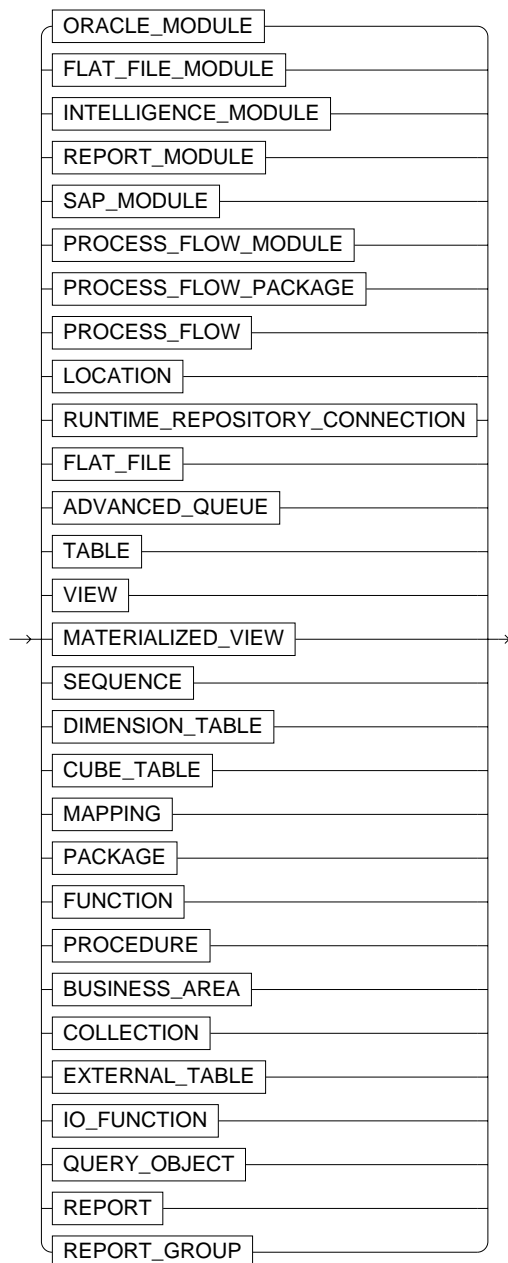
Use of relative path specifications requires awareness of the current context.

Syntax Diagrams

parseMoveCommand



objectType



Syntax

```
parseMoveCommand = OMBMOVE "objectType" "QUOTED_STRING" TO
"QUOTED_STRING" [ USE REPLACE_MODE ];
```

```
objectType = ( ORACLE_MODULE | FLAT_FILE_MODULE | INTELLIGENCE_
MODULE | REPORT_MODULE | SAP_MODULE | PROCESS_FLOW_MODULE |
PROCESS_FLOW_PACKAGE | PROCESS_FLOW | LOCATION | RUNTIME_
REPOSITORY_CONNECTION | FLAT_FILE | ADVANCED_QUEUE | TABLE |
VIEW | MATERIALIZED_VIEW | SEQUENCE | DIMENSION_TABLE | CUBE_
TABLE | MAPPING | PACKAGE | FUNCTION | PROCEDURE | BUSINESS_AREA
| COLLECTION | EXTERNAL_TABLE | IO_FUNCTION | QUERY_OBJECT |
REPORT | REPORT_GROUP );
```

Keywords and Parameters

`parseMoveCommand`

Specifies the source object type, source path, and target path for the object to move.

`QUOTED_STRING`

Source and target path specifications can be absolute or relative. To move multiple objects, include a regular expression as the final step of the source path. If you are moving multiple objects, the final step of the target path must be the folder to which the objects are being copied. If you are only moving one object, you can specify the object's original name or a new name as the final step of the target path.

`REPLACE_MODE`

Use this option to overwrite existing target objects.

`objectType`

Moving objects is subject to the following restrictions: 1. You can only move objects within the current project; you cannot move objects between projects. 2. You cannot move an object within the same parent folder; if your purpose is to rename the object, use the 'OMBALTER...RENAME TO...' command.

Examples

```
OMBMOVE TABLE 'MY_TABLE1' TO '../WH2/MY_TABLE1' USE REPLACE_MODE
```

```
OMBMOVE VIEW 'MY_VIEW1' TO '../WH2/MY_VIEW1'
```

```
OMBMOVE TABLE 'MY_.*' TO '/MY_PROJECT1/WH2'
```

See Also

`OMBCOPY`

OMBRECONCILE

Purpose

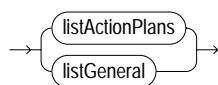
OMBLIST - This command lists the specified Warehouse Builder objects under the current folder. You can also provide a regular expression to list objects in a different folder and/or to list objects with names matching a pattern. Before displaying the objects, this command first refreshes the object list from the repository. This means that the list of objects returned also reflects any additions or deletions by other users.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseListCommand



listActionPlans



listGeneral



Syntax

parseListCommand = "listActionPlans" | "listGeneral" ;

listActionPlans = OMBLIST DEPLOYMENT_ACTION_PLANS ["QUOTED_STRING"] ;

listGeneral = OMBLIST "UNQUOTED_STRING" ["QUOTED_STRING"] ;

Keywords and Parameters

parseListCommand

Specify the list command.

listActionPlans

Deployment action plans are listed.

listGeneral

OWB objects of the specified type are listed.

UNQUOTED_STRING

The type (plural) of the objects to be listed. Valid object types are: PROJECTS, ORACLE_MODULES, FLAT_FILE_MODULES, PROCESS_FLOW_MODULES, SAP_MODULES, INTELLIGENCE_MODULES, REPORT_MODULES, TRANSFORMATION_MODULES, PACKAGES, ADVANCED_QUEUES, BUSINESS_AREAS, COLLECTIONS, CONNECTORS, CUBE_TABLES, DIMENSION_TABLES,

EXTERNAL_TABLES, FLAT_FILES, FUNCTIONS, IO_FUNCTIONS, MAPPINGS, MATERIALIZED_VIEWS, OBJECT_TYPES, PROCEDURES, QUERY_OBJECTS, REPORTS, REPORT_GROUPS, SEQUENCES, TABLES, PROCESS_FLOWS, PROCESS_FLOW_PACKAGES, LOCATIONS, RUNTIME_REPOSITORY_CONNECTIONS, VIEWS.

QUOTED_STRING

Optionally, specify a regular expression, which is used to filter the results.

The syntax of the regular expressions follow the syntax from TCL.

Here are some of the quantifiers:

* -- represents a sequence of 0 or more matches of the atom.

+ -- represents a sequence of 1 or more matches of the atom.

? -- represents a sequence of 0 or 1 matches of the atom.

{m} -- represents a sequence of exactly m matches of the atom.

Here are some of the atoms:

. -- matches any single character

{ } -- matches an empty string, noted for possible reporting.

k -- (where k is a non-alphanumeric character) matches that character taken as an ordinary character,

e.g. \ matches a backslash character.

c -- where c is alphanumeric (possibly followed by other characters), an escape.

(re) -- (where re is any regular expression) matches a match for re, with the match noted for possible reporting.

[char] -- a bracket expression, matching any one of the chars.

Further documentation on the syntax can be found at the TCL manual page under the command 'regex'.

Examples

OMBLIST TABLES

will list the tables under the current Oracle module folder context (if the current context is not an Oracle module, an error will be produced).

OMBLIST ORACLE_MODULES '/MY_PROJECT/O.*'

will list Oracle modules starting with letter 'O', within project 'MY_PROJECT'.

OMBLIST ORACLE_MODULES '/MY_PROJECT/[ABC].*'

will list Oracle modules starting with either letter A or B or C, within project 'MY_PROJECT'.

OMBREDEFINE_CLASS_DEFINITION

Purpose

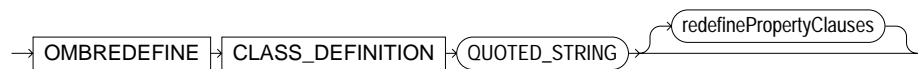
OMBREDEFINE CLASS_DEFINITION - To redefine a class.

Prerequisites

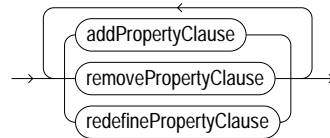
Class definition to be redefined should already exist. This command can be executed for any class definition regardless of current context. User must be the repository owner to run this command, and user has to connect in single user mode.

Syntax Diagrams

parseRedefineClassCommand



redefinePropertyClauses



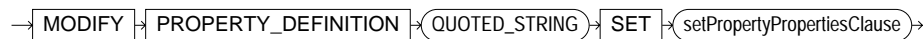
addPropertyClause



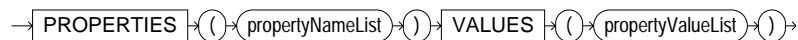
removePropertyClause



redefinePropertyClause



setPropertyPropertiesClause



propertyNameList



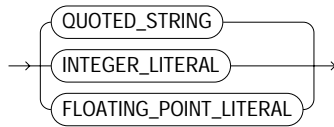
propertyValueList



propertyNameClause



propertyValue



Syntax

```
parseRedefineClassCommand = OMBREDEFINE CLASS_DEFINITION "QUOTED_STRING" [ "redefinePropertyClauses" ];

redefinePropertyClauses = ( "addPropertyClause" | "removePropertyClause" | "redefinePropertyClause" )+;

addPropertyClause = ( ADD PROPERTY_DEFINITION "QUOTED_STRING" SET "setPropertyPropertiesClause" );

removePropertyClause = ( DELETE PROPERTY_DEFINITION "QUOTED_STRING" );

redefinePropertyClause = ( MODIFY PROPERTY_DEFINITION "QUOTED_STRING" SET "setPropertyPropertiesClause" );

setPropertyPropertiesClause = PROPERTIES "( " "propertyNameList" " )" VALUES "( " "propertyValueList" " )";

propertyNameList = "propertyNameClause" { " ," "propertyNameClause" };

propertyValueList = "propertyValue" { " ," "propertyValue" };

propertyNameClause = ( "UNQUOTED_STRING" );

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_POINT_LITERAL" );
```

Keywords and Parameters

parseRedefineClassCommand

Redefine a class definition.

CLASS_DEFINITION

Redefine a class definition.

QUOTED_STRING

Name of the class definition.

redefinePropertyClauses

Add, delete or modify user defined property definitions on class definition. The name of the property definition must always start with prefix 'UDP_'.

addPropertyClause

Add property definition to class definition.

QUOTED_STRING

Name of the property definition to be added.

removePropertyClause

Remove property definition from class definition.

QUOTED_STRING

Name of the property definition to be deleted.

redefinePropertyClause

Modify property definition on class definition.

QUOTED_STRING

Name of the property definition to be modified.

setPropertyPropertiesClause

Set the properties for property definition. Valid properties are TYPE, DEFAULT_VALUE, BUSINESS_NAME.

propertyNameList

The list of properties for the class definition.

propertyValueList

The list of values provided for the class definition.

propertyNameClause

The name of the property.

UNQUOTED_STRING

The name of the property for the class definition.

propertyValue

The value of the property.

QUOTED_STRING

The value in string format of the property for the class definition.

INTEGER_LITERAL

The integer value of the property for the class definition.

FLOATING_POINT_LITERAL

The float value of the property for the class definition.

Examples

OMBREDEFINE CLASS_DEFINITION 'TABLE' ADD PROPERTY_DEFINITION 'UDP_TBL_1' SET PROPERTIES (TYPE, DEFAULT_VALUE) VALUES ('INTEGER', '100') This will add an User-defined property definition to class definition 'TABLE'. OMBREDEFINE CLASS_DEFINITION 'TABLE' DELETE PROPERTY_DEFINITION 'UDP_TBL_1' This will delete property definition 'UDP_TBL_1' from class definition 'TABLE'. Property definition must exist before deleting it. OMBREDEFINE CLASS_DEFINITION 'TABLE' MODIFY PROPERTY_DEFINITION 'UDP_TBL_1' SET PROPERTIES (DEFAULT_VALUE, BUSINESS_NAME) VALUES ('99', 'UDP_TBL_2') This will change the name of property definition to 'UDP_TBL_2' and default value to 99. Property definition must exist before modifying it. TYPE can not be changed for property definition.

See Also

OMBDESCRIBE CLASS_DEFINITION

OMBREGISTER_LOCATION

Purpose

OMBREGISTER LOCATION - Register a location with a runtime repository.

Prerequisites

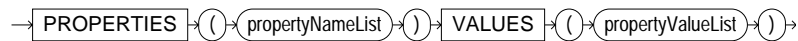
Must be in the context of a project and connected to a runtime repository.

Syntax Diagrams

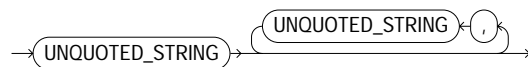
registerLocationCommand



registerPropertiesClause



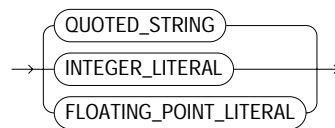
propertyNameList



propertyValueList



propertyValue



Syntax

registerLocationCommand = OMBREGISTER LOCATION "QUOTED_STRING" SET "registerPropertiesClause";

registerPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "(" "propertyValueList" ")";

propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { ",", "propertyValue" };

propertyValue = ("QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_POINT_LITERAL");

Keywords and Parameters

registerLocationCommand

Register a location.

QUOTED_STRING

The name of the location to register.

registerPropertiesClause

Set the values you wish to register the location with.

propertyNameList

The names of the properties whose values you want to set.

Properties for registering an ORACLE DATABASE LOCATION, ORACLE WORKFLOW LOCATION, or SAP LOCATION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The machine name.

Name: PORT

Type: NUMBER

Valid Values: 0 - 65535

Default: N/A

The port number of a database listener.

Name: SERVICE

Type: STRING

Valid Values: N/A

Default: N/A

The database service name.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

The database schema name.

Name: PASSWORD

Type: STRING

Valid Values: N/A

Default: N/A

The password.

Name: REUSE

Type: STRING

Valid Values: 'true', 'yes'

Default: N/A

Set this property to either 'true' or 'yes' to signify to the runtime platform that you want to register the current location name using the current UOID, even if the location was previously registered with a different UOID. If you do not specify REUSE, this action will result in an error to prevent data inconsistencies in the Runtime Repository.

Properties for registering a GATEWAY LOCATION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The machine name.

Name: PORT

Type: NUMBER

Valid Values: 0 - 65535

Default: N/A

The port number of a database listener.

Name: SERVICE

Type: STRING

Valid Values: N/A

Default: N/A

The database service name.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

The database schema name.

Name: CONNECTAS

Type: STRING

Valid Values: N/A

Default: N/A

The user name.

Name: PASSWORD

Type: STRING

Valid Values: N/A

Default: N/A

The password for the CONNECTAS user.

Name: REUSE

Type: STRING

Valid Values: 'true', 'yes'

Default: N/A

Set this property to either 'true' or 'yes' to signify to the runtime platform that you want to register the current location name using the current UOID, even if the location was previously registered with a different UOID. If you do not specify REUSE, this action will result in an error to prevent data inconsistencies in the Runtime Repository.

Properties for registering a FILE LOCATION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The machine name.

Name: ROOTPATH

Type: STRING

Valid Values: N/A

Default: N/A

The file system directory.

Name: USER

Type: STRING

Valid Values: N/A

Default: N/A

The user name.

Name: PASSWORD

Type: STRING

Valid Values: N/A

Default: N/A

The password.

Name: REUSE

Type: STRING

Valid Values: 'true', 'yes'

Default: N/A

Set this property to either 'true' or 'yes' to signify to the runtime platform that you want to register the current location name using the current UOID, even if the location was previously registered with a different UOID. If you do not specify REUSE, this action will result in an error to prevent data inconsistencies in the Runtime Repository.

Properties for registering an OEM LOCATION:

Name: DOMAIN

Type: STRING

Valid Values: N/A

Default: N/A

The address of a machine running the Oracle Management Service.

Name: AGENT

Type: STRING

Valid Values: N/A

Default: N/A

The name of an Oracle Enterprise Manager (OEM) node running an OEM Agent. This name must be entered exactly as shown under the nodes in the Oracle Management Service.

Name: USER

Type: STRING

Valid Values: N/A

Default: N/A

The user name.

Name: PASSWORD

Type: STRING

Valid Values: N/A

Default: N/A

The password.

Name: REUSE

Type: STRING

Valid Values: 'true', 'yes'

Default: N/A

Set this property to either 'true' or 'yes' to signify to the runtime platform that you want to register the current location name using the current UOID, even if the location was previously registered with a different UOID. Without specifying REUSE, this action will result in an error to prevent data inconsistencies in the Runtime Repository.

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

```
OMBREGISTER LOCATION 'MY_ORACLE_LOCATION' SET PROPERTIES (HOST,  
PORT, SERVICE, SCHEMA, PASSWORD) VALUES ('localhost', 1521, 'orcl', 'scott',  
'tiger')
```

```
OMBREGISTER LOCATION 'MY_FILE_LOCATION' SET PROPERTIES (HOST,  
ROOTPATH, USER, PASSWORD) VALUES ('localhost', 'C:\temp\', 'usr1', 'password')
```

```
OMBREGISTER LOCATION 'MY_GATEWAY_LOCATION' SET PROPERTIES (HOST,  
PORT, SERVICE, SCHEMA, CONNECTAS, PASSWORD) VALUES ('localhost', 1521,  
'orcl', 'scott', 'scott', 'tiger')
```

```
OMBREGISTER LOCATION 'MY_SAP_LOCATION' SET PROPERTIES (HOST, PORT,  
SERVICE,
```

SCHEMA, PASSWORD) VALUES ('localhost', 1521, 'sap', 'scott', 'tiger')

OMBREGISTER LOCATION 'MY_OEM_LOCATION' SET PROPERTIES (DOMAIN,
AGENT, USER,
PASSWORD) VALUES ('domain', 'agent', 'scott', 'tiger')

OMBRESTORE_SNAPSHOT

Purpose

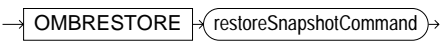
OMBRESTORE SNAPSHOT - A snapshot is a history point of individual or group of components. The user can recover the components' previously captured states by using the snapshot restore functionality.

Prerequisites

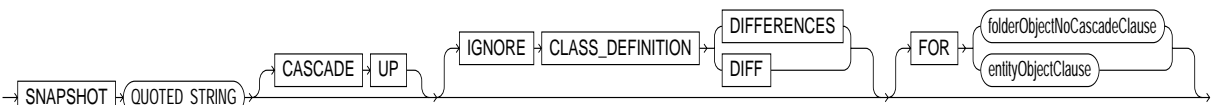
A component can be restored from a snapshot into the current repository.

Syntax Diagrams

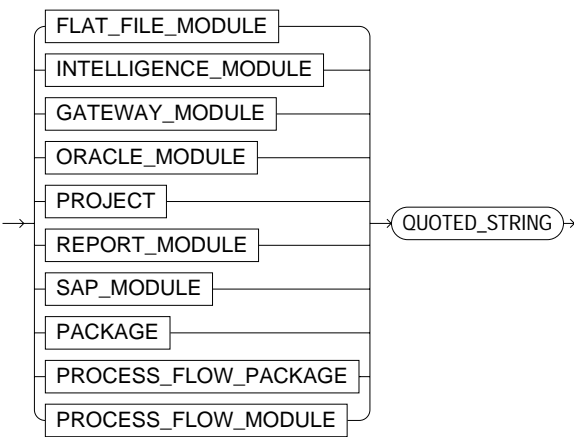
parseRestoreCommand



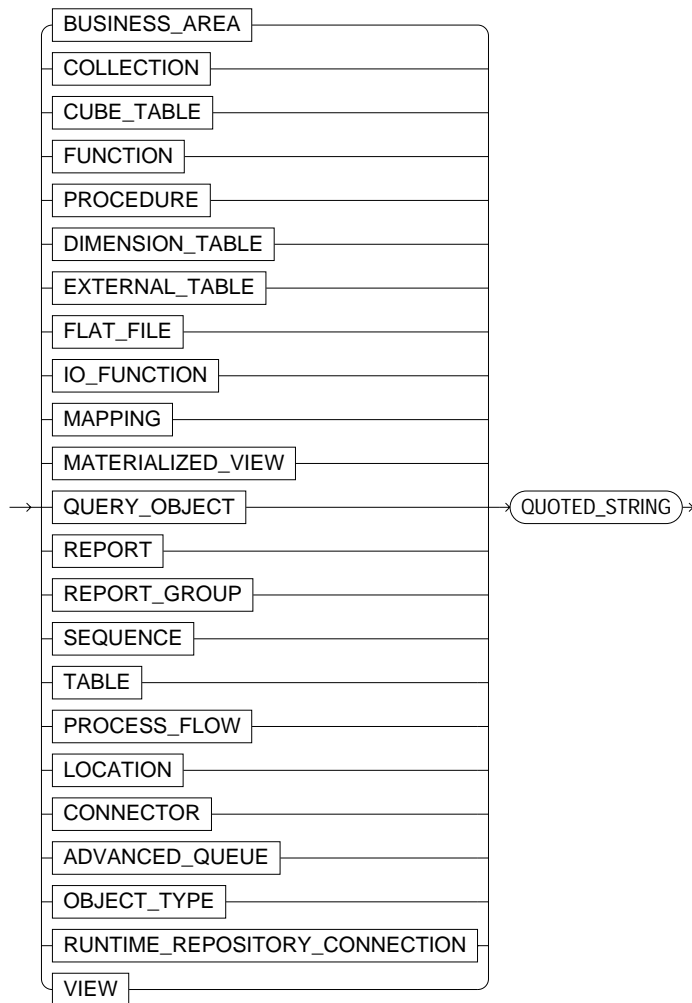
restoreSnapshotCommand



folderObjectNoCascadeClause



entityObjectClause



Syntax

```

parseRestoreCommand = OMBRESTORE "restoreSnapshotCommand";

restoreSnapshotCommand = ( SNAPSHOT "QUOTED_STRING" [ CASCADE UP ] [
  IGNORE CLASS_DEFINITION ( DIFFERENCES | DIFF ) ] [ FOR (
    "folderObjectNoCascadeClause" | "entityObjectClause" ) ] );

folderObjectNoCascadeClause = ( FLAT_FILE_MODULE | INTELLIGENCE_
  MODULE | GATEWAY_MODULE | ORACLE_MODULE | PROJECT | REPORT_
  MODULE | SAP_MODULE | PACKAGE | PROCESS_FLOW_PACKAGE |
  PROCESS_FLOW_MODULE ) "QUOTED_STRING";

entityObjectClause = ( ( BUSINESS_AREA | COLLECTION | CUBE_TABLE |
  FUNCTION | PROCEDURE | DIMENSION_TABLE | EXTERNAL_TABLE | FLAT_
  FILE | IO_FUNCTION | MAPPING | MATERIALIZED_VIEW | QUERY_OBJECT |
  REPORT | REPORT_GROUP | SEQUENCE | TABLE | PROCESS_FLOW |
  LOCATION | CONNECTOR | ADVANCED_QUEUE | OBJECT_TYPE | RUNTIME_
  REPOSITORY_CONNECTION | VIEW ) "QUOTED_STRING" );

```

Keywords and Parameters

parseRestoreCommand

Root production for OMBRESTORE SNAPSHOT.

restoreSnapshotCommand

To restore snapshot components into the repository.

QUOTED_STRING

Name of the snapshot from which components are to be restored.

CASCADE

CASCADE UP - Optional clause for letting the user restore a component even if its parent does not exist in the current repository.

CLASS_DEFINITION

IGNORE CLASS_DEFINITION DIFF - Optional clause for letting the user restore a snapshot whether or not the meta-model of the snapshot is different from that of the current repository.

FOR

Optional component clause for partial restore. This can be used to specify which components of a snapshot are to be restored.

folderObjectNoCascadeClause

Folder component with no cascade clause, It refers to the folder object itself, its properties and none of its contained components. This will be the absolute path of the folder within the snapshot.

entityObjectClause

Component clause. This will be the absolute path of the component within the snapshot.

Examples

OMBRESTORE SNAPSHOT 'S1' This command restores all components from the snapshot into the repository. If the corresponding components are not found in the repository, then they appear as newly recovered components from history.

OMBRESTORE SNAPSHOT 'S1' FOR TABLE '/Project/WH1/T1' This commands replaces the current definition of the component in the repository with the snapshot component.

OMBRESTORE SNAPSHOT 'S1' CASCADE UP This command restores all objects of the snapshot into the repository whether or not their parents exist in the current repository. If not, components along with their corresponding parents are restored.

OMBRESTORE SNAPSHOT 'S1' IGNORE CLASS_DEFINITION DIFF This

command restores the snapshot regardless of whether or not the meta-model of the snapshot is different to that of the current repository.

See Also

OMBCREATE SNAPSHOT, OMBALTER SNAPSHOT, OMBDROP SNAPSHOT,
OMBCOMPARE SNAPSHOT, OMBLIST SNAPSHOT, OMBRETRIEVE SNAPSHOT

OMBROLLBACK

Purpose

OMBROLLBACK - Perform rollback action on the repository.

Prerequisites

Must be connected to a OWB repository.

Syntax Diagrams

parseRollbackCommand



Syntax

parseRollbackCommand = OMBROLLBACK ;

Keywords and Parameters

parseRollbackCommand
Specify rollback command.

Examples

OMBROLLBACK

See Also

OMBCOMMIT

OMBUNLOCK

Purpose

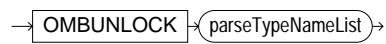
OMBUNLOCK - Unlock one or more objects, previously locked by OMBLOCK command. Note that if the object(s) have been modified, a commit is also required in order for the lock(s) to be released.

Prerequisites

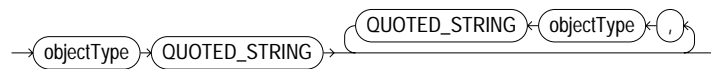
The object(s) should have been locked previously using OMBLOCK command.

Syntax Diagrams

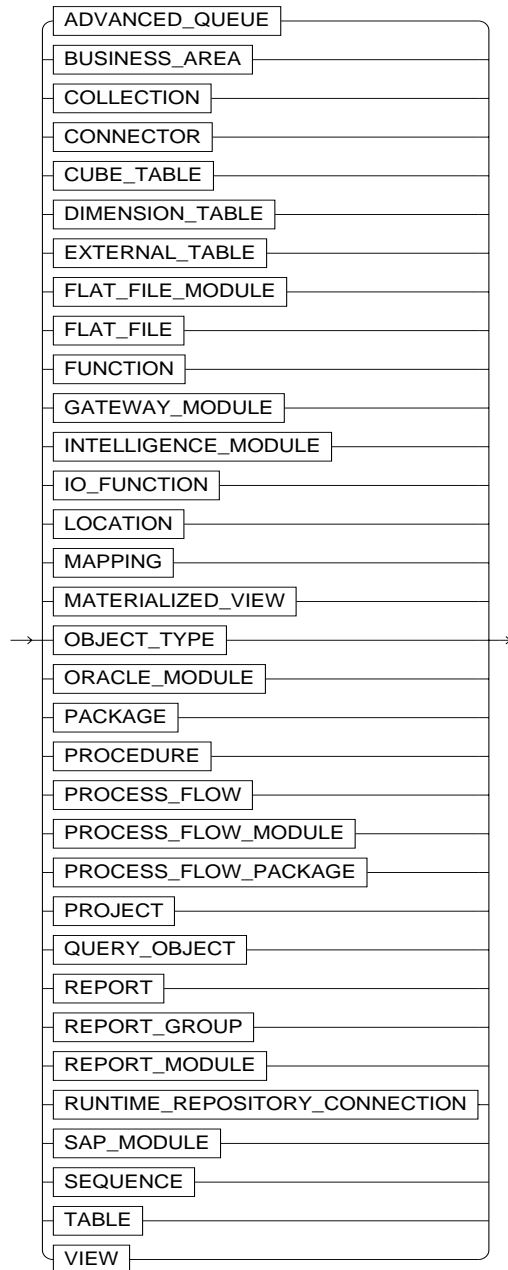
parseUnLockCommand



parseTypeNameList



objectType



Syntax

```
parseUnLockCommand = OMBUNLOCK "parseTypeNameList" ;
```

```
parseTypeNameList = "objectType" "QUOTED_STRING" { "," "objectType"
"QUOTED_STRING" } ;
```

```
objectType = ( ADVANCED_QUEUE | BUSINESS_AREA | COLLECTION |
CONNECTOR | CUBE_TABLE | DIMENSION_TABLE | EXTERNAL_TABLE |
FLAT_FILE_MODULE | FLAT_FILE | FUNCTION | GATEWAY_MODULE |
INTELLIGENCE_MODULE | IO_FUNCTION | LOCATION | MAPPING |
MATERIALIZED_VIEW | OBJECT_TYPE | ORACLE_MODULE | PACKAGE |
PROCEDURE | PROCESS_FLOW | PROCESS_FLOW_MODULE | PROCESS_
FLOW_PACKAGE | PROJECT | QUERY_OBJECT | REPORT | REPORT_GROUP |
```

REPORT_MODULE | RUNTIME_REPOSITORY_CONNECTION | SAP_MODULE |
SEQUENCE | TABLE | VIEW);

Keywords and Parameters

parseUnLockCommand
Specify unlock command.

parseTypeNameList
Specify the object or the list of objects to be unlocked.

QUOTED_STRING
Name of the object to be unlocked. Can be specified as an absolute path or as a path relative to the current context. However, there is the restriction that all objects to be unlocked must be in the current project.

objectType
Type of the object to be unlocked.

Examples

OMBUNLOCK TABLE 'T1', VIEW '/MY_PROJECT/ORACLE_1/V1'
will unlock table 'T1' in the current module, and view 'V1' in Oracle module 'ORACLE_1' from project 'MY_PROJECT'.

See Also

OMBLOCK

OMBVALIDATE

Purpose

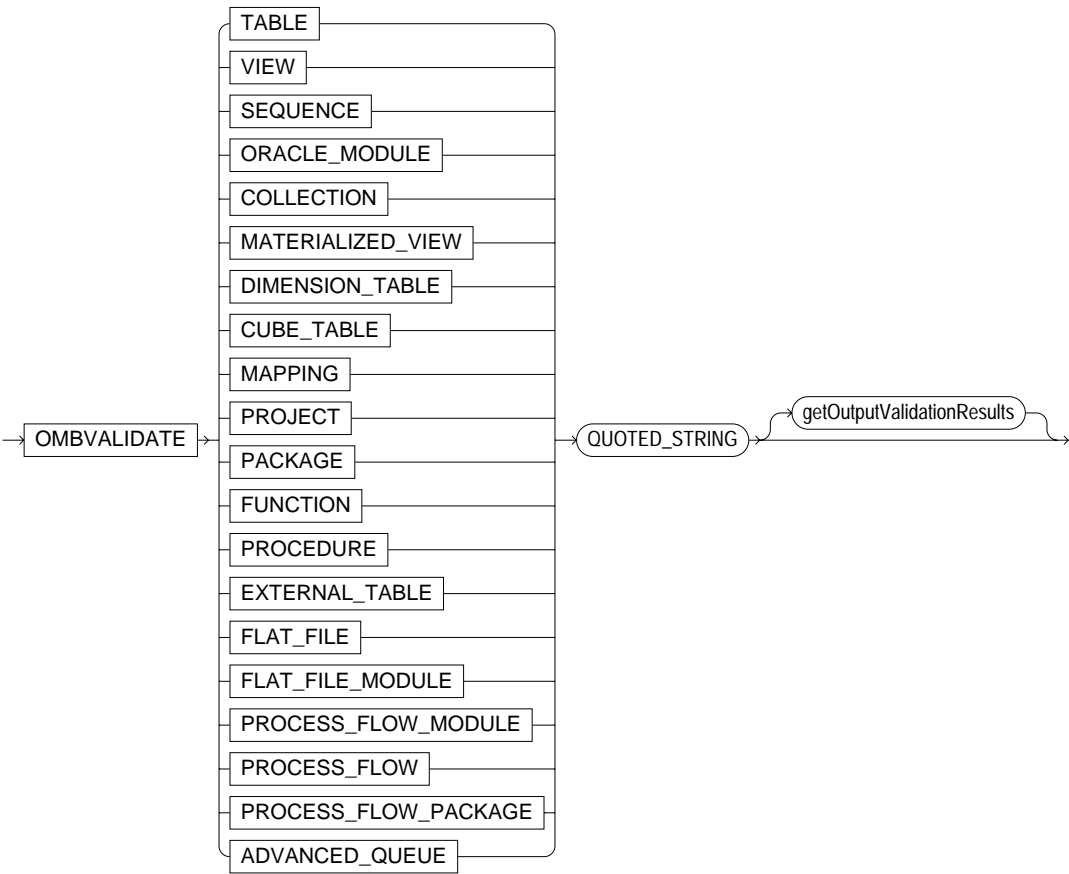
OMBVALIDATE - This command validates an repository object. The results are generated in a file in a user defined directory.

Prerequisites

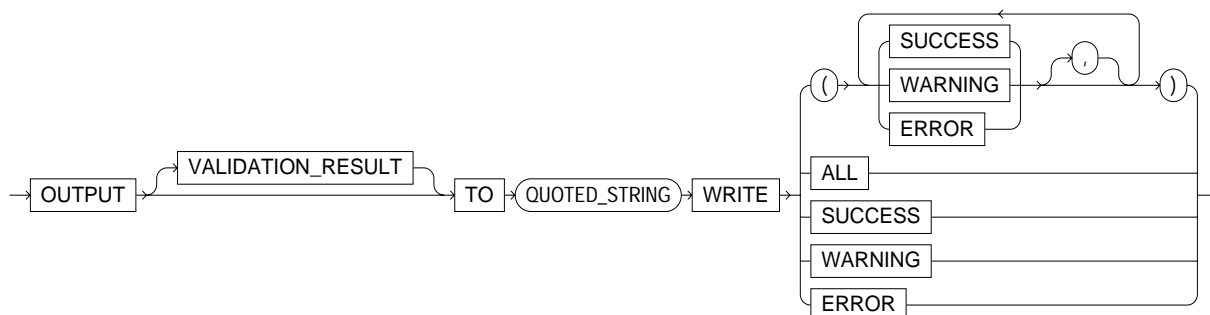
In the context of a Oracle Module except when validating Project and Oracle Module. To validate a Project the user needs to be in the Root context. To validate Oracle Module the user needs to be in Project context.

Syntax Diagrams

parseValidateCommand



getOutputValidationResults



Syntax

```

parseValidateCommand = OMBVALIDATE ( ( TABLE | VIEW | SEQUENCE |
ORACLE_MODULE | COLLECTION | MATERIALIZED_VIEW | DIMENSION_
TABLE | CUBE_TABLE | MAPPING | PROJECT | PACKAGE | FUNCTION |
PROCEDURE | EXTERNAL_TABLE | FLAT_FILE | FLAT_FILE_MODULE |
PROCESS_FLOW_MODULE | PROCESS_FLOW | PROCESS_FLOW_PACKAGE |
ADVANCED_QUEUE ) "QUOTED_STRING" [ "getOutputValidationResults" ] );

getOutputValidationResults = OUTPUT [ VALIDATION_RESULT ] TO "QUOTED_
STRING" WRITE ( ( "(" ( ( SUCCESS | WARNING | ERROR ) [ "," ] )+ ")" ) | ALL |
SUCCESS | WARNING | ERROR );
  
```

Keywords and Parameters

parseValidateCommand

This command validates a repository object.

QUOTED_STRING

The name of the object.

getOutputValidationResults

This clause outputs the validation results to one or more files in the specified folder.

QUOTED_STRING

A directory where validation results are stored.

Examples

```

OMBVALIDATE TABLE 'T1' OUTPUT VALIDATION_RESULT TO '/tmp' WRITE
(SUCCESS,ERROR)
  
```

See Also

OMBCOMPILE

OMBALTER

This chapter contains the following topics:

OMBALTER on page 3-2	OMBALTER FLAT_FILE_MODULE on page 3-58	OMBALTER PROCESS_FLOW on page 3-195
OMBALTER ADVANCED_QUEUE on page 3-8	OMBALTER FUNCTION on page 3-62	OMBALTER PROCESS_FLOW_MODULE on page 3-208
OMBALTER COLLECTION on page 3-12	OMBALTER LOCATION on page 3-68	OMBALTER PROCESS_FLOW_PACKAGE on page 3-211
OMBALTER CONNECTOR on page 3-17	OMBALTER MAPPING on page 3-71	OMBALTER PROJECT on page 3-214
OMBALTER CUBE_TABLE on page 3-21	OMBALTER MATERIALIZED_VIEW on page 3-151	OMBALTER RUNTIME_REPOSITORY_CONNECTION on page 3-217
OMBALTER DEPLOYMENT_ACTION_PLAN on page 3-34	OMBALTER OBJECT_TYPE on page 3-172	OMBALTER SEQUENCE on page 3-221
OMBALTER EXTERNAL_TABLE on page 3-39	OMBALTER ORACLE_MODULE on page 3-176	OMBALTER SNAPSHOT on page 3-225
OMBALTER FLAT_FILE on page 3-48	OMBALTER PACKAGE on page 3-186	OMBALTER TABLE on page 3-230
OMBALTER FLAT_FILE_MODULE on page 3-58	OMBALTER PROCEDURE on page 3-189	OMBALTER VIEW on page 3-245

OMBALTER

Purpose

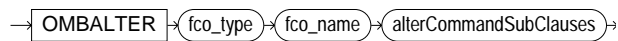
OMBALTER - Alter metadata for a component.

Prerequisites

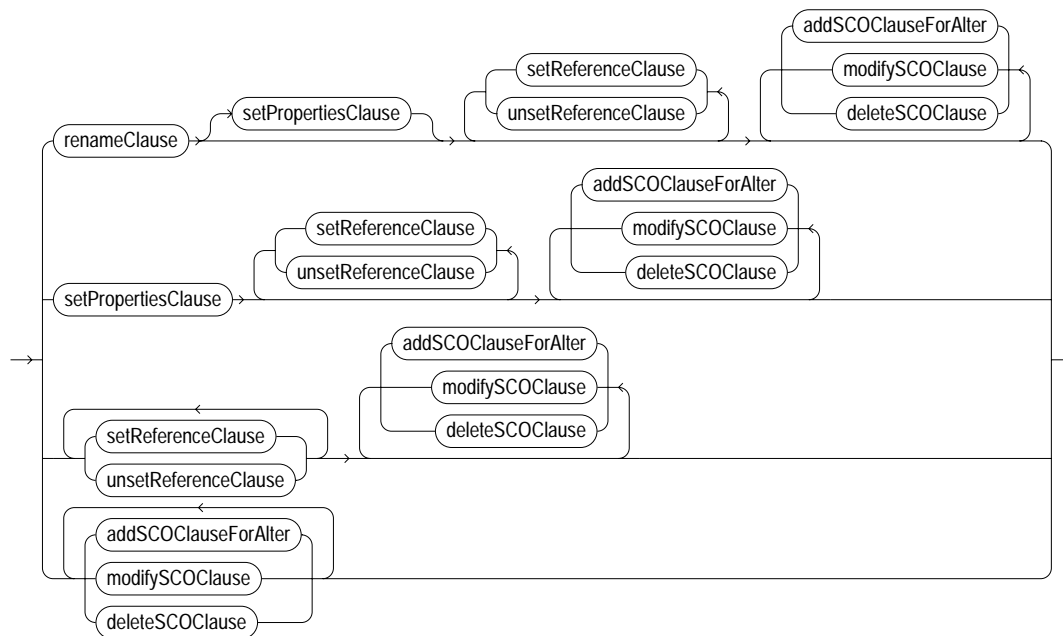
Should be in the parent context of the component to alter.

Syntax Diagrams

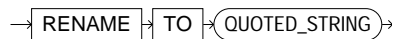
alterCommand



alterCommandSubClauses



renameClause



setPropertiesClause



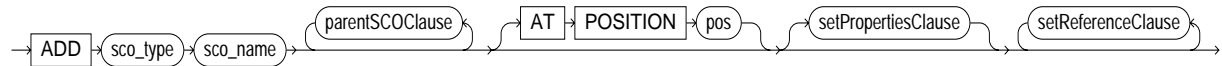
setReferenceClause



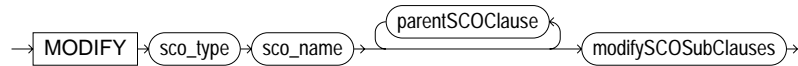
unsetReferenceClause



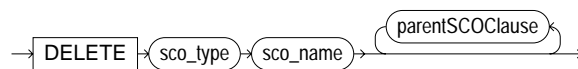
addSCOClauseForAlter



modifySCOClause



deleteSCOClause



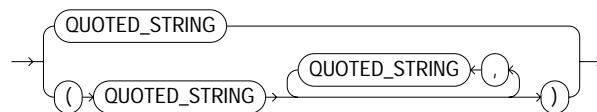
propertyNameList



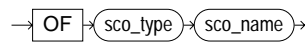
propertyValueList



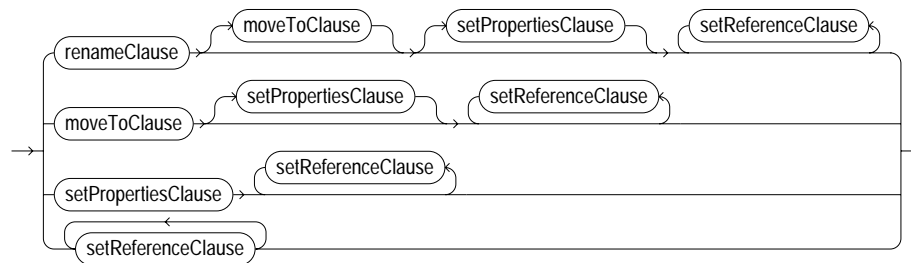
quotedNameList



parentSCOClause



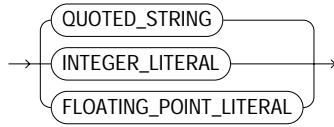
modifySCOSubClauses



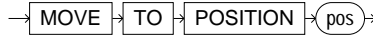
propertyName



propertyValue



moveToClause



Syntax

```

alterCommand = OMBALTER "fco_type" "fco_name" "alterCommandSubClauses";

alterCommandSubClauses = ( "renameClause" [ "setPropertiesClause" ] {
  "setReferenceClause" | "unsetReferenceClause" } { "addSCOClausesForAlter" |
  "modifySCOClauses" | "deleteSCOClauses" } ) | ( "setPropertiesClause" {
  "setReferenceClause" | "unsetReferenceClause" } { "addSCOClausesForAlter" |
  "modifySCOClauses" | "deleteSCOClauses" } ) | ( ( "setReferenceClause" |
  "unsetReferenceClause" )+ { "addSCOClausesForAlter" | "modifySCOClauses" |
  "deleteSCOClauses" } ) | ( "addSCOClausesForAlter" | "modifySCOClauses" |
  "deleteSCOClauses" )+;

renameClause = RENAME TO "QUOTED_STRING";

setPropertiesClause = SET PROPERTIES "( " "propertyNameList" ")" VALUES "( "
  "propertyValueList" ")";

setReferenceClause = SET ( REF | REFERENCE ) [ "qualifier" ] "type"
  "quotedNameList" [ { "parentSCOClauses" } OF "fco_type" "fco_name" ];

unsetReferenceClause = UNSET ( REF | REFERENCE ) [ "qualifier" ] "type";

addSCOClausesForAlter = ADD "sco_type" "sco_name" { "parentSCOClauses" } [ AT
  POSITION "pos" ] [ "setPropertiesClause" ] { "setReferenceClause" };

modifySCOClauses = MODIFY "sco_type" "sco_name" { "parentSCOClauses" }
  "modifySCOSubClauses";

deleteSCOClauses = DELETE "sco_type" "sco_name" { "parentSCOClauses" };

propertyNameList = "propertyName" { ", " "propertyName" };

propertyValueList = "propertyValue" { ", " "propertyValue" };

quotedNameList = "QUOTED_STRING" | "( " "QUOTED_STRING" { ", " "QUOTED_
  STRING" } ")";

parentSCOClauses = OF "sco_type" "sco_name";

modifySCOSubClauses = ( "renameClause" [ "moveToClause" ] [
  "setPropertiesClause" ] { "setReferenceClause" } ) | ( "moveToClause" [
  "setPropertiesClause" ] { "setReferenceClause" } ) | ( "setPropertiesClause" {
  "setReferenceClause" } ) | "setReferenceClause" +;

propertyName = "UNQUOTED_STRING";

propertyValue = "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
  POINT_LITERAL";

moveToClause = MOVE TO POSITION "pos";
  
```

Keywords and Parameters

`alterCommand`

Specify the component to alter.

`fco_type`

The type of the component.

`fco_name`

The physical name of the component in single quotes.

`alterCommandSubClauses`

Use this clause to rename the component, reset its properties, or modify the child objects of the component.

`renameClause`

Rename the component.

`setPropertyClause`

Set object properties.

`setReferenceClause`

Specify reference objects.

`qualifier`

Specify which reference to set, if there are more than one pointing to the same type.

`unsetReferenceClause`

Removes an existing reference.

`qualifier`

Specify which reference to set, if there are more than one pointing to the same type.

`addSCOClausesForAlter`

Add child objects under the component.

`modifySCOClauses`

Change definition of a child object.

deleteSCOClause

Delete a child object.

propertyNameList

A list of property names.

propertyValueList

A list of property values.

quotedNameList

A list of single-quoted physical names.

parentSCOClause

Used to specify the path from a child object to the component

modifySCOSubClauses

Use this clause to rename a child object, reset its properties or references, or reorder it.

propertyName

An unquoted string representing the name of a property.

propertyValue

The value of a property.

moveToClause

Used to reorder child objects.

Examples

This is an example for altering a table:

```
OMBALTER TABLE 'T1' SET PROPERTIES (DESCRIPTION) VALUES ('My First Table')
```

The following statement alters the column of a view:

```
OMBALTER VIEW 'V1'  
MODIFY COLUMN 'COL1'
```


SET PROPERTIES (DATATYPE) VALUES ('VARCHAR2')

See Also

OMBCREATE, OMBDROP

OMBALTER ADVANCED_QUEUE

Purpose

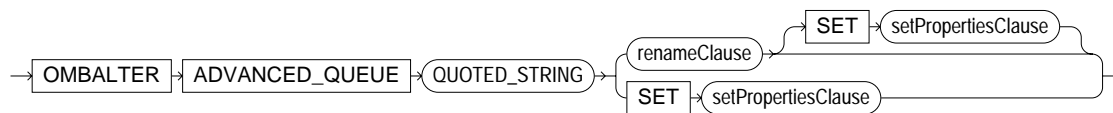
OMBALTER ADVANCED_QUEUE - Alter the Advanced Queue by resetting its properties.

Prerequisites

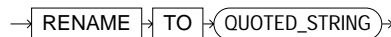
Should be in the context of an Oracle Module. The Object Type set as Payload Type should exist in the same Oracle Module.

Syntax Diagrams

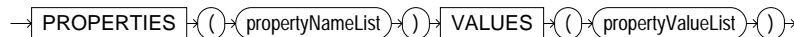
alterAQCommand



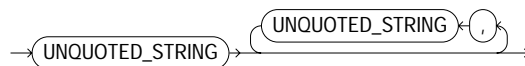
renameClause



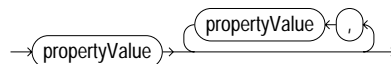
setPropertiesClause



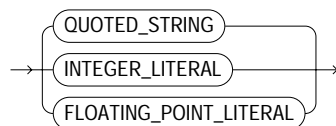
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterAQCommand = OMBALTER ( ADVANCED_QUEUE "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
    "propertyValueList" )";
```

```
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { "," "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterAQCommand

Alters the Advanced Queue with the given name by either renaming it or by setting its properties or both.

renameClause

Renames the Advanced Queue to the given name.

setPropertiesClause

Sets properties (core, logical, physical, user-defined) for Advanced Queue.

Valid properties are shown below:

Basic properties for ADVANCED_QUEUE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Advanced Queue

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Advanced Queue

Name: PAYLOAD_TYPE

Type: STRING(4000)

Valid Values: N/A

Default: "

PayLoad Type of the Advanced Queue. This has to be the name of an Object Type(OBJECT_TYPE) existing in the same Oracle Module.

Properties for ADVANCED_QUEUE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true.

Name: GENERATE_ADVANCED_QUEUE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the Advanced Queue.

Name: GENERATE_OBJECT_TYPE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate a script to create the Object Type.

Name: GENERATE_QUEUE_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate code to create the queue table that will persist the messages of this Advanced Queue.

Name: GENERATE_TEMPORARY_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the temporary table.

Name: QUEUE_TABLE_NAME

Type: STRING(30)

Valid Values: N/A

Default: "

The name of the queue table that is used to persist the messages in this Advanced Queue.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

The list of properties.

propertyValueList

The list of property values.

propertyValue

This clause adds the property values.

Examples

```
OMBALTER ADVANCED_QUEUE 'SOME_ADVANCED_QUEUE' SET PROPERTIES  
(TABLESPACE, QUEUE_TABLE_NAME) VALUES ('TABLESPACE', 'QUEUE_TABLE')  
This will set its property Tablespace Name to "TABLESPACE" and Queue Table to  
'QUEUE_TABLE'.
```

See Also

OMBALTER, OMBCREATE ADVANCED_QUEUE, OMBRETRIEVE ADVANCED_QUEUE, OMBDROP ADVANCED_QUEUE

OMBALTER COLLECTION

Purpose

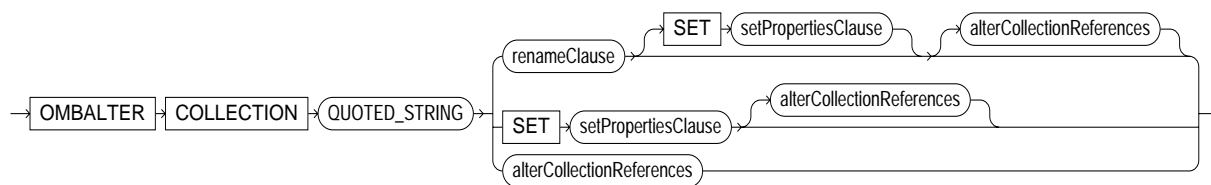
OMBALTER COLLECTION - Alter the collection by adding, removing or modifying shortcuts.

Prerequisites

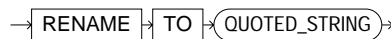
Should be in the context of a project, before altering a collection.

Syntax Diagrams

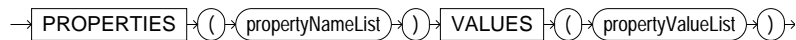
alterCollectionCommand



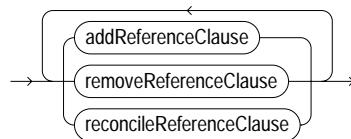
renameClause



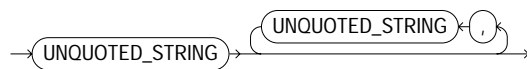
setPropertiesClause



alterCollectionReferences



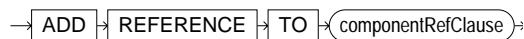
propertyNameList



propertyValueList



addReferenceClause



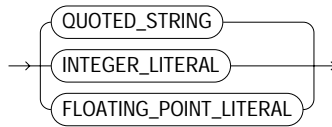
removeReferenceClause



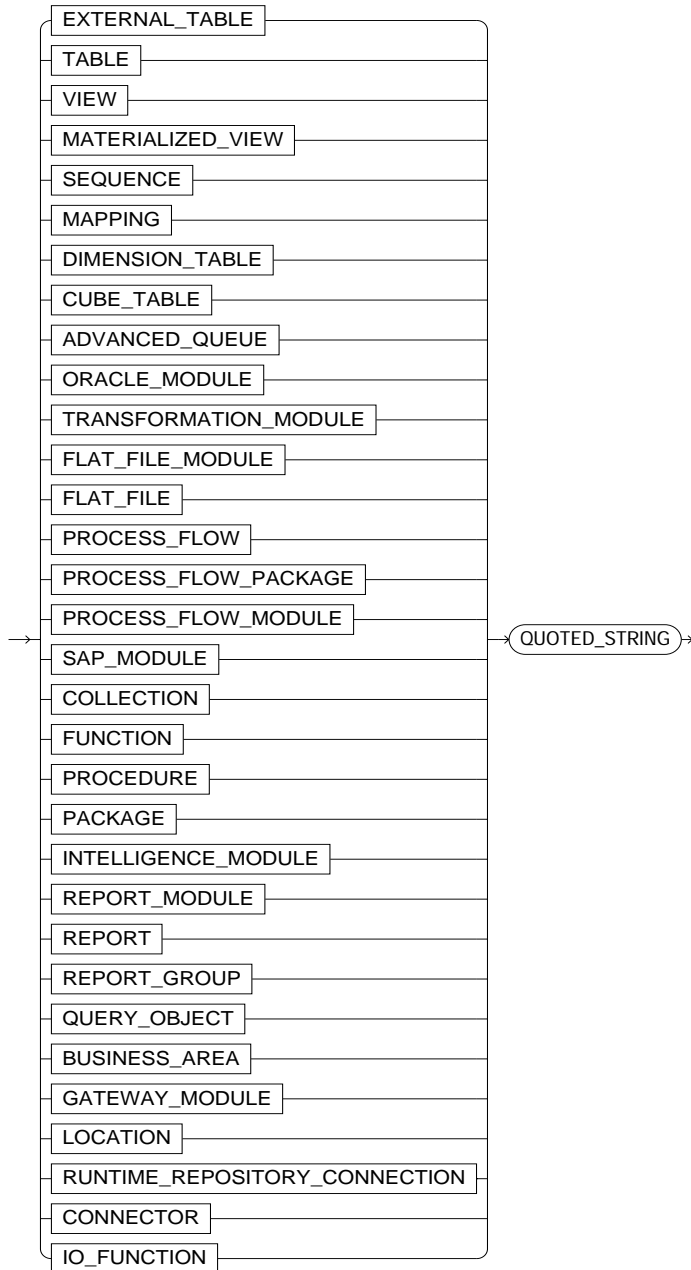
reconcileReferenceClause



propertyValue



componentRefClause



Syntax

```

alterCollectionCommand = OMBALTER ( COLLECTION "QUOTED_STRING" (
  "renameClause" [ SET "setPropertiesClause" ] [ "alterCollectionReferences" ] | SET
  "setPropertiesClause" [ "alterCollectionReferences" ] | "alterCollectionReferences" ) );
renameClause = RENAME TO "QUOTED_STRING";
  
```

```
setPropertyClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("  
"propertyValueList" ")";  
alterCollectionReferences = ( "addReferenceClause" | "removeReferenceClause" |  
"reconcileReferenceClause" )+;  
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };  
propertyValueList = "propertyValue" { "," "propertyValue" };  
addReferenceClause = ADD REFERENCE TO "componentRefClause";  
removeReferenceClause = REMOVE REFERENCE TO "componentRefClause";  
reconcileReferenceClause = RECONCILE;  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );  
componentRefClause = ( EXTERNAL_TABLE | TABLE | VIEW | MATERIALIZED_  
VIEW | SEQUENCE | MAPPING | DIMENSION_TABLE | CUBE_TABLE |  
ADVANCED_QUEUE | ORACLE_MODULE | TRANSFORMATION_MODULE |  
FLAT_FILE_MODULE | FLAT_FILE | PROCESS_FLOW | PROCESS_FLOW_  
PACKAGE | PROCESS_FLOW_MODULE | SAP_MODULE | COLLECTION |  
FUNCTION | PROCEDURE | PACKAGE | INTELLIGENCE_MODULE | REPORT_  
MODULE | REPORT | REPORT_GROUP | QUERY_OBJECT | BUSINESS_AREA |  
GATEWAY_MODULE | LOCATION | RUNTIME_REPOSITORY_CONNECTION |  
CONNECTOR | IO_FUNCTION ) "QUOTED_STRING";
```

Keywords and Parameters

alterCollectionCommand

Alter a collection of objects.

QUOTED_STRING

Name of the existing collection in quotes.

renameClause

Rename a collection.

setPropertyClause

Associate a set of properties with a collection.

Basic properties for COLLECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the collection

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the collection

Note:

1. N/A means any valid character in supported character set.

2. " represents an empty string

alterCollectionReferences

Alter the collections references, includes adding, dropping and reconciling the collection.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

addReferenceClause

Add a reference to the collection.

removeReferenceClause

Remove a reference from the collection.

reconcileReferenceClause

Reconcile the collection, deleting references which now refer to deleted objects.

propertyValue

Value of a property.

componentRefClause

Specify the type of the object to reference.

Examples

OMBALTER COLLECTION 'PURCHASING_WAREHOUSE' SET PROPERTIES
(DESCRIPTION) VALUES ('Group for purchasing usage.') ADD REFERENCE TO
TABLE 'PURCHASING/PRODUCT'

See Also

OMBALTER, OMBCREATE COLLECTION

OMBALTER CONNECTOR

Purpose

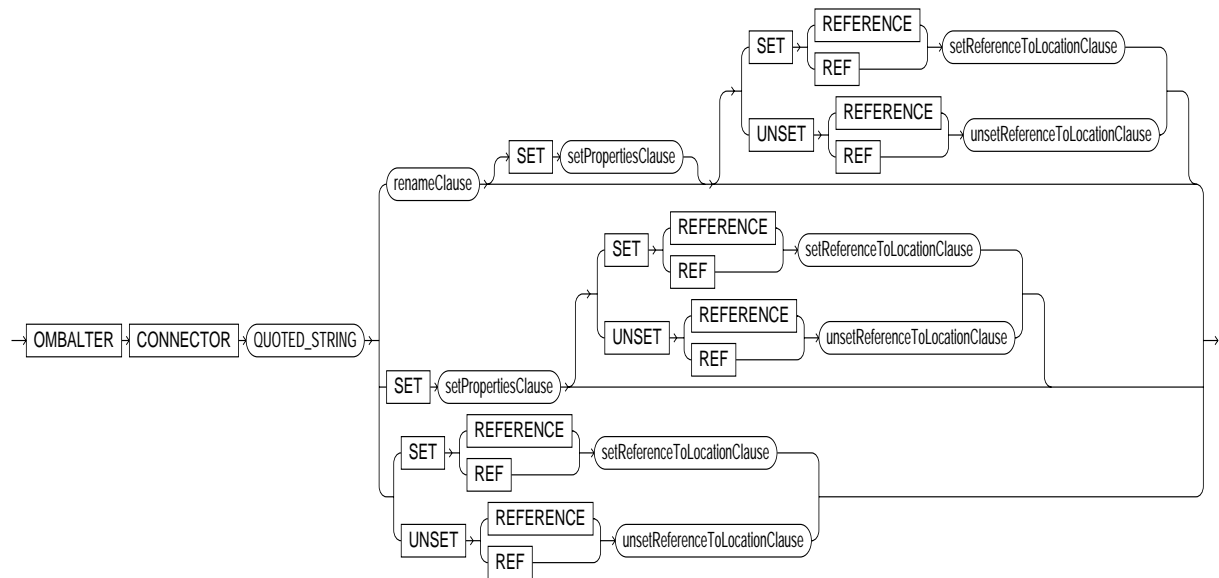
OMBALTER CONNECTOR - Alter the connector by renaming it, and/or reset its properties.

Prerequisites

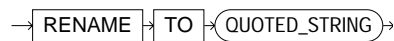
Should be in the context of the connector's owning location.

Syntax Diagrams

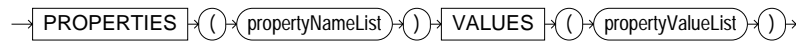
alterConnectorCommand



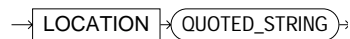
renameClause



setPropertiesClause



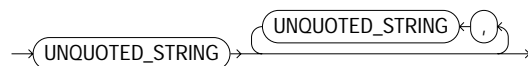
setReferenceToLocationClause



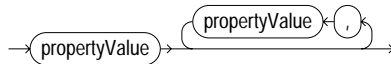
unsetReferenceToLocationClause



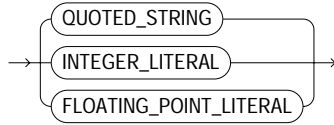
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterConnectorCommand = OMBALTER ( CONNECTOR "QUOTED_STRING" ( (
  "renameClause" [ SET "setPropertiesClause" ] [ SET ( REFERENCE | REF )
  "setReferenceToLocationClause" | UNSET ( REFERENCE | REF )
  "unsetReferenceToLocationClause" ] ) | ( SET "setPropertiesClause" [ SET (
  REFERENCE | REF ) "setReferenceToLocationClause" | UNSET ( REFERENCE | REF
  ) "unsetReferenceToLocationClause" ] ) | ( SET ( REFERENCE | REF )
  "setReferenceToLocationClause" | UNSET ( REFERENCE | REF )
  "unsetReferenceToLocationClause" ) ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" )";
```

```
setReferenceToLocationClause = LOCATION "QUOTED_STRING";
```

```
unsetReferenceToLocationClause = LOCATION;
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterConnectorCommand

Alter the connector specified by the quoted string.

renameClause

Rename the connector.

setPropertiesClause

Set specified properties of the connector.

setReferenceToLocationClause

Set the name of the location which the connector references.

unsetReferenceToLocationClause

Unset the referenced location.

propertyNameList

The names of the properties whose values you want to set.

Properties for CONNECTOR:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

```
OMBALTER CONNECTOR 'OLD_CONNECTOR' RENAME TO 'NEW_
CONNECTOR' SET PROPERTIES
```

(DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a new connector.', 'new connector') This will rename the connector "OLD_CONNECTOR" to "NEW_CONNECTOR", and set its description to "This becomes a new connector", set its business name to "new connector".

```
OMBALTER CONNECTOR 'A_CONNECTOR' SET REFERENCE LOCATION 'MY_
LOCATION'
```

```
OMBALTER CONNECTOR 'A_CONNECTOR' UNSET REF LOCATION
```

See Also

OMBALTER, OMBCREATE CONNECTOR, OMBDROP CONNECTOR

OMBALTER CUBE_TABLE

Purpose

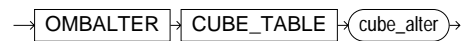
OMBALTER CUBE_TABLE - This command alters a cube.

Prerequisites

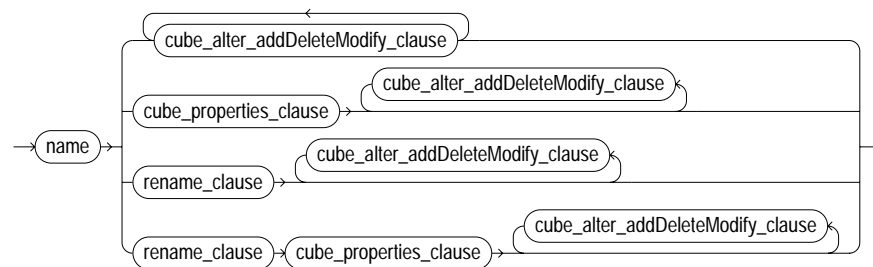
Should be in Oracle Module context.

Syntax Diagrams

OMBAAlterCube



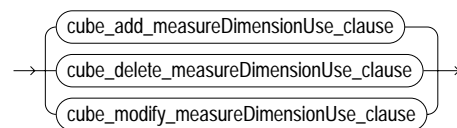
cube_alter



name



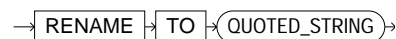
cube_alter_addDeleteModify_clause



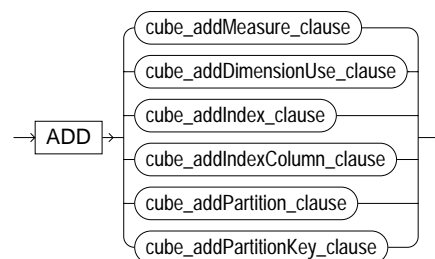
cube_properties_clause



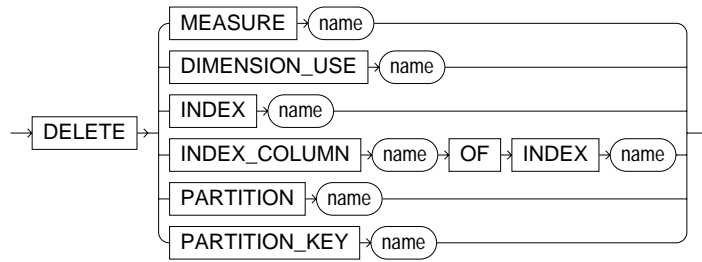
rename_clause



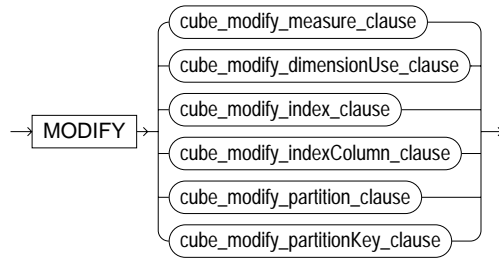
cube_add_measureDimensionUse_clause



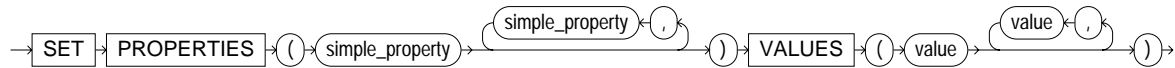
cube_delete_measureDimensionUse_clause



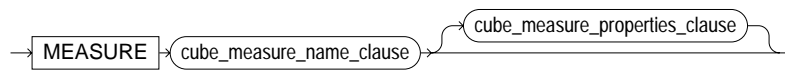
cube_modify_measureDimensionUse_clause



simple_properties_clause



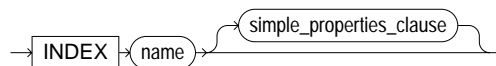
cube_addMeasure_clause



cube_addDimensionUse_clause



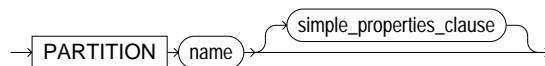
cube_addIndex_clause



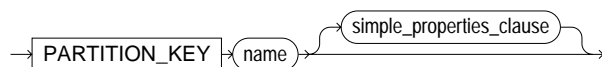
cube_addIndexColumn_clause



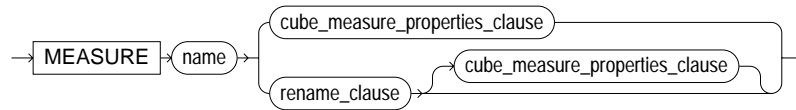
cube_addPartition_clause



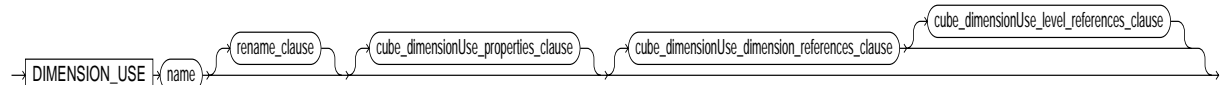
cube_addPartitionKey_clause



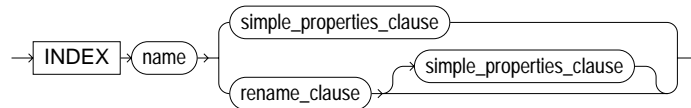
cube_modify_measure_clause



cube_modify_dimensionUse_clause



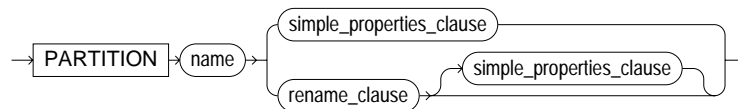
cube_modify_index_clause



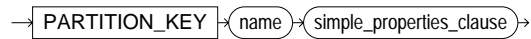
cube_modify_indexColumn_clause



cube_modify_partition_clause



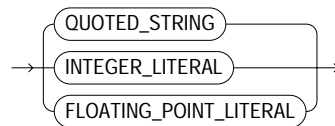
cube_modify_partitionKey_clause



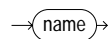
simple_property



value



cube_measure_name_clause



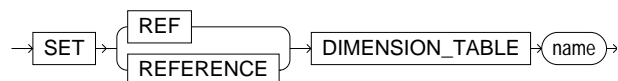
cube_measure_properties_clause



cube_dimensionUse_properties_clause



cube_dimensionUse_dimension_references_clause



cube_dimensionUse_level_references_clause



Syntax

```

OMBAAlterCube = OMBALTER CUBE_TABLE "cube_alter";

cube_alter = "name" ( "cube_alter_addDeleteModify_clause" + | "cube_properties_
clause" { "cube_alter_addDeleteModify_clause" } | "rename_clause" { "cube_alter_
addDeleteModify_clause" } | ( "rename_clause" "cube_properties_clause" { "cube_
alter_addDeleteModify_clause" } ) );

name = ( "QUOTED_STRING" );

cube_alter_addDeleteModify_clause = "cube_add_measureDimensionUse_clause" |
"cube_delete_measureDimensionUse_clause" | "cube_modify_
measureDimensionUse_clause";

cube_properties_clause = "simple_properties_clause";

rename_clause = RENAME TO "QUOTED_STRING";

cube_add_measureDimensionUse_clause = ADD ( "cube_addMeasure_clause" |
"cube_addDimensionUse_clause" | "cube_addIndex_clause" | "cube_
addIndexColumn_clause" | "cube_addPartition_clause" | "cube_addPartitionKey_
clause" );

cube_delete_measureDimensionUse_clause = DELETE ( MEASURE "name" |
DIMENSION_USE "name" | INDEX "name" | INDEX_COLUMN "name" OF INDEX
"name" | PARTITION "name" | PARTITION_KEY "name" );

cube_modify_measureDimensionUse_clause = MODIFY ( "cube_modify_measure_
clause" | "cube_modify_dimensionUse_clause" | "cube_modify_index_clause" |
"cube_modify_indexColumn_clause" | "cube_modify_partition_clause" | "cube_
modify_partitionKey_clause" );

simple_properties_clause = SET PROPERTIES ( ( "simple_property" { "," "simple_
property" } ) ) VALUES ( ( "value" { "," "value" } ) );

cube_addMeasure_clause = MEASURE "cube_measure_name_clause" [ "cube_
measure_properties_clause" ];

cube_addDimensionUse_clause = DIMENSION_USE ( "name" [ "cube_
dimensionUse_properties_clause" ] [ "cube_dimensionUse_dimension_referenc_
es_clause" ] );

cube_addIndex_clause = INDEX "name" [ "simple_properties_clause" ];

cube_addIndexColumn_clause = INDEX_COLUMN "name" OF INDEX "name" [
"simple_properties_clause" ];

cube_addPartition_clause = PARTITION "name" [ "simple_properties_clause" ];

cube_addPartitionKey_clause = PARTITION_KEY "name" [ "simple_properties_
clause" ];

cube_modify_measure_clause = MEASURE "name" ( "cube_measure_properties_
clause" | ( "rename_clause" [ "cube_measure_properties_clause" ] ) );

cube_modify_dimensionUse_clause = DIMENSION_USE "name" [ "rename_clause" ]
[ "cube_dimensionUse_properties_clause" ] [ "cube_dimensionUse_dimension_
references_clause" ] [ "cube_dimensionUse_level_references_clause" ] ];
  
```

```

cube_modify_index_clause = INDEX "name" ( "simple_properties_clause" | (
"rename_clause" [ "simple_properties_clause" ] ) );
cube_modify_indexColumn_clause = INDEX_COLUMN "name" OF INDEX "name"
"simple_properties_clause";
cube_modify_partition_clause = PARTITION "name" ( "simple_properties_clause" | (
"rename_clause" [ "simple_properties_clause" ] ) );
cube_modify_partitionKey_clause = PARTITION_KEY "name" "simple_properties_
clause";
simple_property = "UNQUOTED_STRING";
value = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_POINT_
LITERAL" );
cube_measure_name_clause = "name";
cube_measure_properties_clause = "simple_properties_clause";
cube_dimensionUse_properties_clause = "simple_properties_clause";
cube_dimensionUse_dimension_references_clause = SET ( REF | REFERENCE ) (
DIMENSION_TABLE "name" );
cube_dimensionUse_level_references_clause = SET ( REF | REFERENCE ) ( LEVEL
"name" );

```

Keywords and Parameters

OMBAAlterCube

This command alter a cube_table

cube_alter

This clause alter a cube_table by adding, deleting, and modifying clauses.

name

The name has to be a quoted string or an integer, or a decimal number.

cube_alter_addDeleteModify_clause

This clause adds, deletes, and modifies measures, dimensionUses, indexes, indexColumns, partition, and partitionKeys.

cube_properties_clause

This clause uses the simple properties.

rename_clause

This clause renames to another name

cube_add_measureDimensionUse_clause

This clause adds measures, dimensionUses, indexes, indexColumns, partition, and partitionKeys.

cube_delete_measureDimensionUse_clause

This clause deletes measures, dimensionUses, indexes, indexColumns, partition, and partitionKeys.

cube_modify_measureDimensionUse_clause

This clause modifies measures, dimensionUses, indexes, indexColumns, partition, and partitionKeys.

simple_properties_clause

Sets properties and their values.

Basic properties for TABLE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn

Properties for CUBE_TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT

Type: NUMBER

Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or

subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

`cube_addMeasure_clause`

This clause adds the measure name and its properties.

`cube_addDimensionUse_clause`

This clause adds the dimensionUse and its properties.

`cube_addIndex_clause`

This clause adds Index name and its properties.

`cube_addIndexColumn_clause`

This clause adds IndexColumn of an index and its properties.

`cube_addPartition_clause`

This clause adds partition and its properties.

`cube_addPartitionKey_clause`

This clause adds a partitionKey and its properties.

`cube_modify_measure_clause`

This clause modifies measure by renaming it and changing its properties.

`cube_modify_dimensionUse_clause`

This clause modifies dimensionUse.

`cube_modify_index_clause`

This clause modifies an index.

cube_modify_indexColumn_clause

This clause modifies an indexColumn.

cube_modify_partition_clause

This clause modifies an partition.

cube_modify_partitionKey_clause

cube_modify_partition_clause = This clause modifies an partitionKey.

simple_property

gets the simple property.

UNQUOTED_STRING

Name of the simple property.

value

The quoted string name

cube_measure_name_clause

name of the measure.

cube_measure_properties_clause

alters simple properties of a measure.

cube_dimensionUse_properties_clause

alters simple properties of a dimensionUse.

cube_dimensionUse_dimension_references_clause

The dimensionUse references to the first level of the dimension.

cube_dimensionUse_level_references_clause

The dimensionUse references to the user specified level of the dimension.

Examples

```
OMBALTER CUBE_TABLE 'CUBE1' ADD MEASURE 'MEASURE_2' DELETE  
MEASURE 'MEASURE_1'
```

See Also

OMBCREATE CUBE_TABLE, OMBDROP CUBE_TABLE, OMBRETRIEVE CUBE_TABLE

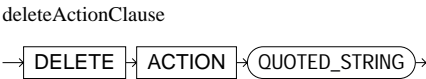
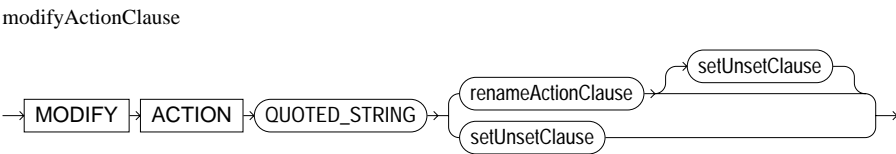
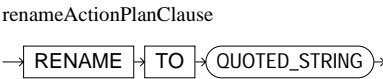
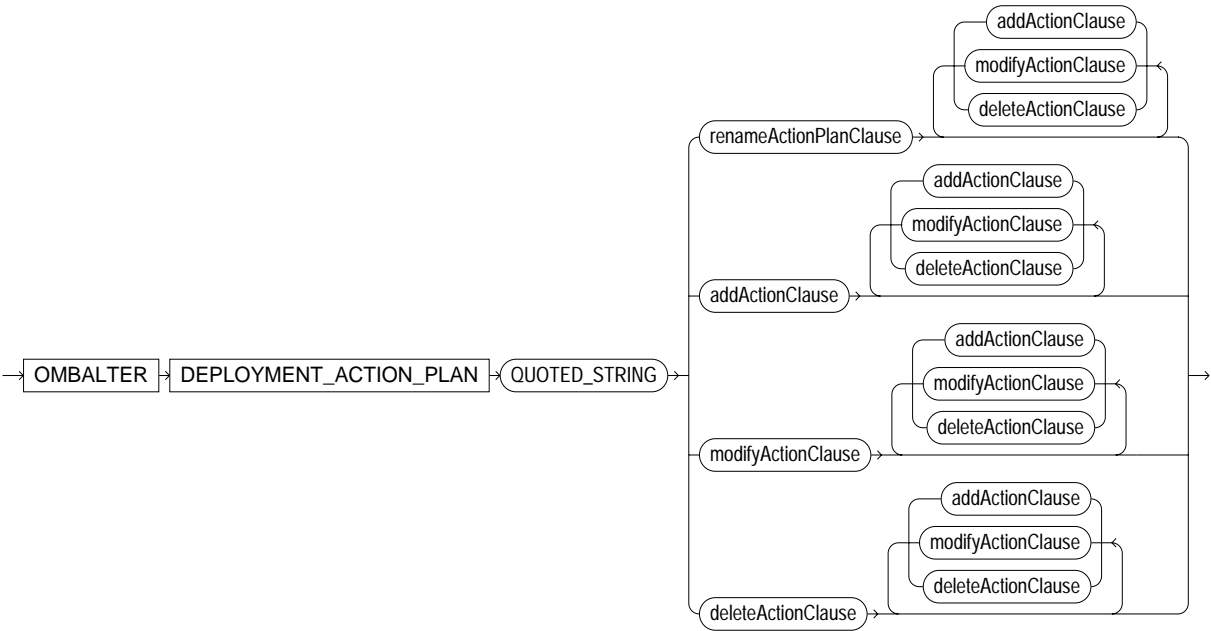
OMBALTER DEPLOYMENT_ACTION_PLAN

Purpose OMBALTER DEPLOYMENT_ACTION_PLAN - Modify an existing deployment action plan.

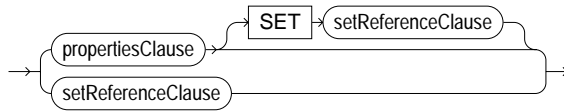
Prerequisites There must be a current working project.

Syntax Diagrams

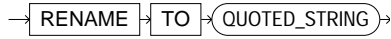
AlterActionPlanCommand



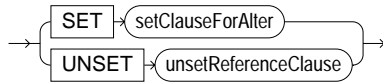
setClause



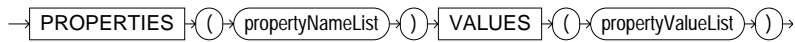
renameActionClause



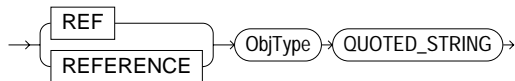
setUnsetClause



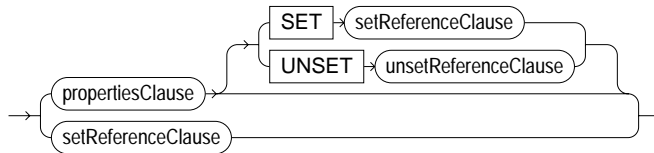
propertiesClause



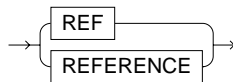
setReferenceClause



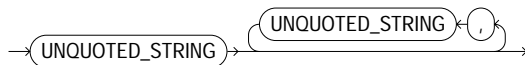
setClauseForAlter



unsetReferenceClause



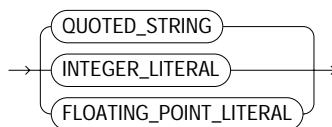
propertyNameList



propertyValueList



propertyValue



Syntax

```

AlterActionPlanCommand = ( OMBALTER ( DEPLOYMENT_ACTION_PLAN )
  "QUOTED_STRING" ( ( "renameActionPlanClause" { "addActionClause" |
    "modifyActionClause" | "deleteActionClause" } ) | ( "addActionClause" {

```

```
“addActionClause” | “modifyActionClause” | “deleteActionClause” } ) | (
“modifyActionClause” { “addActionClause” | “modifyActionClause” |
“deleteActionClause” } ) | ( “deleteActionClause” { “addActionClause” |
“modifyActionClause” | “deleteActionClause” } ) ) );

renameActionPlanClause = RENAME TO “QUOTED_STRING”;

addActionClause = ADD ACTION “QUOTED_STRING” [ SET “setClause” ];

modifyActionClause = MODIFY ACTION “QUOTED_STRING” ( (
“renameActionClause” [ “setUnsetClause” ] ) | “setUnsetClause” );

deleteActionClause = DELETE ACTION “QUOTED_STRING”;

setClause = ( “propertiesClause” [ SET “setReferenceClause” ] ) |
“setReferenceClause”;

renameActionClause = RENAME TO “QUOTED_STRING”;

setUnsetClause = ( ( SET “setClauseForAlter” ) | ( UNSET “unsetReferenceClause” ) );

propertiesClause = PROPERTIES “( “propertyNameList” )” VALUES “( “
propertyValueList” )”;

setReferenceClause = ( REF | REFERENCE ) “ObjType” “QUOTED_STRING”;

setClauseForAlter = ( “propertiesClause” [ SET “setReferenceClause” | UNSET
“unsetReferenceClause” ] ) | “setReferenceClause”;

unsetReferenceClause = ( REF | REFERENCE );

propertyNameList = “UNQUOTED_STRING” { “,” “UNQUOTED_STRING” };

propertyValueList = “propertyValue” { “,” “propertyValue” };

propertyValue = ( “QUOTED_STRING” | “INTEGER_LITERAL” | “FLOATING_
POINT_LITERAL” );
```

Keywords and Parameters

AlterActionPlanCommand

Modify an existing deployment action plan.

renameActionPlanClause

Rename an action plan.

addActionClause

Add an action to an action plan.

modifyActionClause

Modify an action of an action plan.

deleteActionClause

Remove an action from an action plan.

setClause

Set the properties of an action and/or associate an object with an action.

renameActionClause

Rename an action.

setUnsetClause

Set the properties and/or associate/disassociate an object with an action.

propertiesClause

Associate a set of properties with an action.

PROPERTIES

The only valid property is OPERATION, which specifies the type of action to be taken.

setReferenceClause

Associate an object with an action.

ObjType

Object type. Valid values are ADVANCED_QUEUE, CUBE_TABLE, DIMENSION_TABLE,

EXTERNAL_TABLE, CONNECTOR, FUNCTION, MAPPING, MATERIALIZED_VIEW, PROCEDURE,

PROCESS_FLOW_PACKAGE, SEQUENCE, TABLE, and VIEW.

QUOTED_STRING

Absolute or relative path name of an object (e.g. '/MY_PROJECT/MODULE_X/TABLE_Y').

setClauseForAlter

Set the properties and/or associate/disassociate an object with an action.

unsetReferenceClause

Disassociate a previously associated object from an action.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property. Valid values for OPERATION are DROP and CREATE.

Examples

```
OMBALTER DEPLOYMENT_ACTION_PLAN 'MY_PLAN' RENAME TO 'MY_
PLAN_2'
```

```
OMBALTER DEPLOYMENT_ACTION_PLAN 'MY_PLAN' ADD ACTION 'MY_
ALTER_TABLE'
```

```
SET PROPERTIES (OPERATION) VALUES ('CREATE') SET REFERENCE TABLE
'TABLE_X'
```

```
OMBALTER DEPLOYMENT_ACTION_PLAN 'MY_PLAN' MODIFY ACTION 'MY_
VIEW_CREATE'
```

```
RENAME TO 'MY_VIEW_DROP' SET PROPERTIES (OPERATION) VALUES ('DROP')
```

```
OMBALTER DEPLOYMENT_ACTION_PLAN 'MY_PLAN' DELETE ACTION 'MY_
TABLE_DEPLOY'
```

```
OMBALTER DEPLOYMENT_ACTION_PLAN 'MY_PLAN'
```

```
ADD ACTION 'MY_ALTER_VIEW' SET PROPERTIES (OPERATION) VALUES
('CREATE')
```

```
SET REFERENCE VIEW '/MY_PROJECT/MY_MODULE/VIEW_Y'
```

```
MODIFY ACTION 'MY_TABLE_DEPLOY' SET REFERENCE TABLE 'MY_
MODULE/TABLE_Z'
```

```
DELETE ACTION 'MY_VIEW_CREATE'
```

See Also

OMBCREATE DEPLOYMENT_ACTION_PLAN, OMBDEPLOY

OMBALTER EXTERNAL_TABLE

Purpose

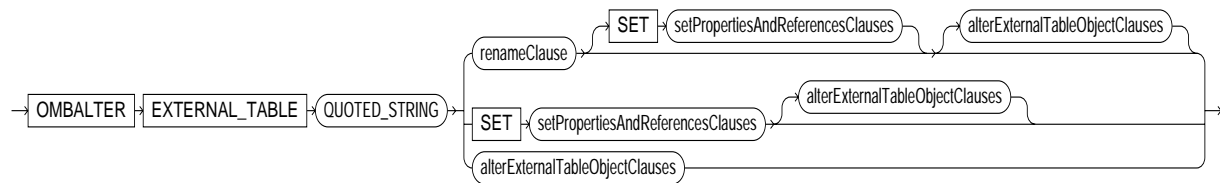
OMBALTER EXTERNAL_TABLE - Alter the external table by renaming it, and/or reset its properties.

Prerequisites

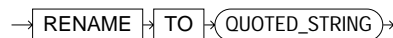
Should be in the context of an Oracle Module.

Syntax Diagrams

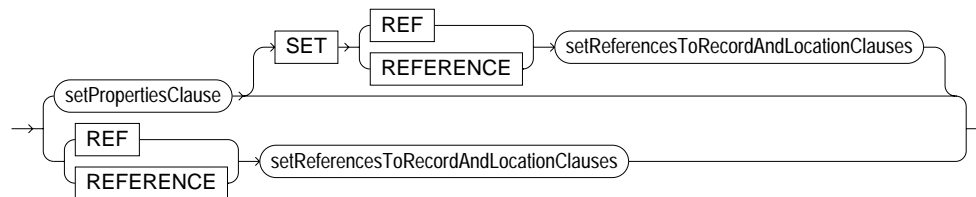
alterExternalTableCommand



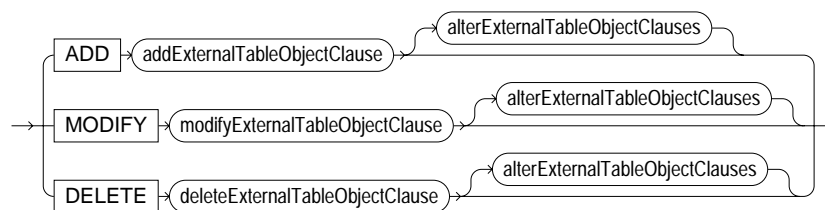
renameClause



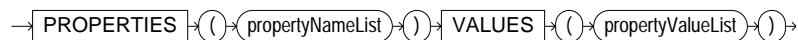
setPropertiesAndReferencesClauses



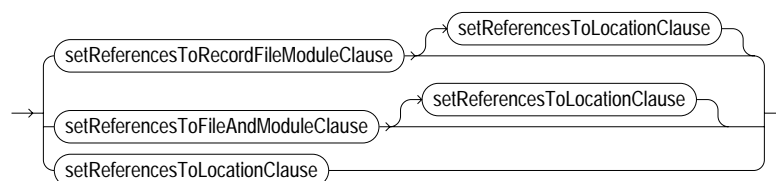
alterExternalTableObjectClauses



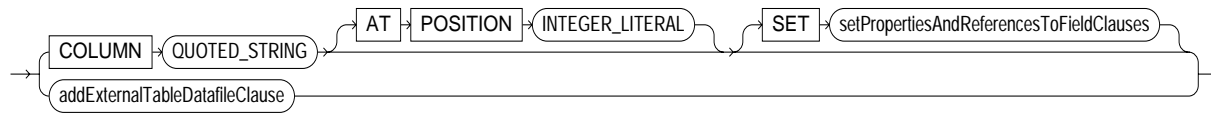
setPropertiesClause



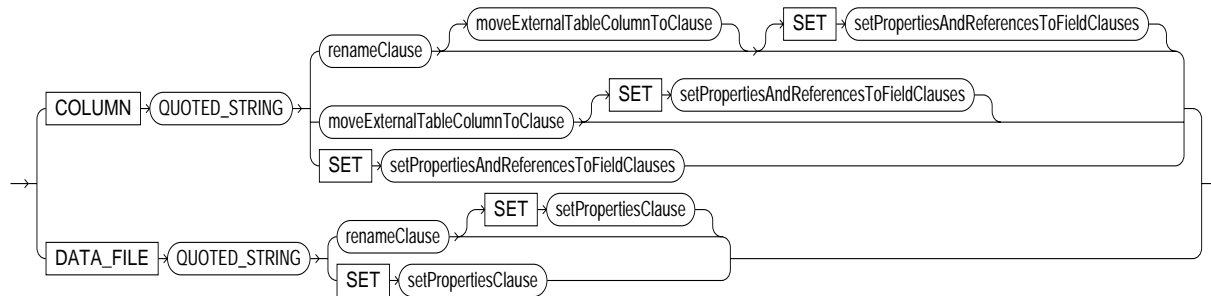
setReferencesToRecordAndLocationClauses



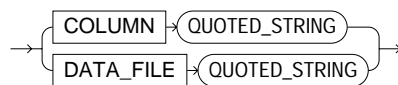
addExternalTableObjectClause



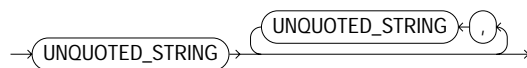
modifyExternalTableObjectClause



deleteExternalTableObjectClause



propertyNameList



propertyValueList



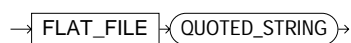
setReferencesToRecordFileModuleClause



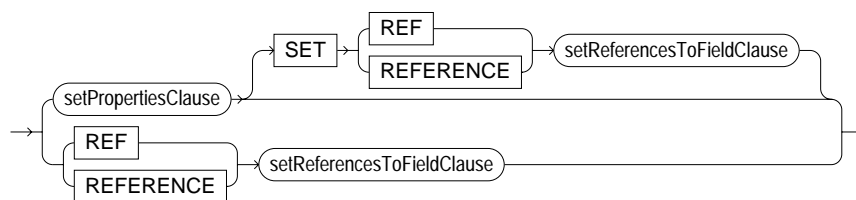
setReferencesToLocationClause



setReferencesToFileAndModuleClause



setPropertiesAndReferencesToFieldClauses



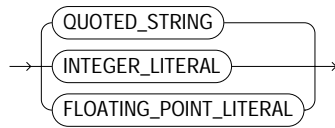
addExternalTableDatafileClause



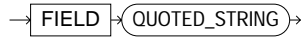
moveExternalTableColumnToClause



propertyValue



setReferencesToFieldClause



Syntax

```

alterExternalTableCommand = OMBALTER ( EXTERNAL_TABLE "QUOTED_
STRING" ( "renameClause" [ SET "setPropertiesAndReferencesClauses" ] |
"alterExternalTableObjectClauses" ] | SET "setPropertiesAndReferencesClauses" [
"alterExternalTableObjectClauses" ] | "alterExternalTableObjectClauses" ) );

renameClause = RENAME TO "QUOTED_STRING";

setPropertiesAndReferencesClauses = "setPropertiesClause" [ SET ( REF |
REFERENCE ) "setReferencesToRecordAndLocationClauses" ] | ( REF | REFERENCE
) "setReferencesToRecordAndLocationClauses";

alterExternalTableObjectClauses = ADD "addExternalTableObjectClause" [
"alterExternalTableObjectClauses" ] | MODIFY "modifyExternalTableObjectClause" [
"alterExternalTableObjectClauses" ] | DELETE "deleteExternalTableObjectClause" [
"alterExternalTableObjectClauses" ];

setPropertiesClause = PROPERTIES "( " "propertyNameList" " ) VALUES "( "
"propertyValueList" " )";

setReferencesToRecordAndLocationClauses =
"setReferencesToRecordFileModuleClause" [ "setReferencesToLocationClause" ] |
"setReferencesToFileAndModuleClause" [ "setReferencesToLocationClause" ] |
"setReferencesToLocationClause";

addExternalTableObjectClause = COLUMN "QUOTED_STRING" [ AT POSITION
"INTEGER_LITERAL" ] [ SET "setPropertiesAndReferencesToFieldClauses" ] |
"addExternalTableDatafileClause";

modifyExternalTableObjectClause = COLUMN "QUOTED_STRING" (
"renameClause" [ "moveExternalTableColumnToClause" ] [ SET
"setPropertiesAndReferencesToFieldClauses" ] |
"moveExternalTableColumnToClause" [ SET
"setPropertiesAndReferencesToFieldClauses" ] | SET
"setPropertiesAndReferencesToFieldClauses" ) | DATA_FILE "QUOTED_STRING" (
"renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" );

deleteExternalTableObjectClause = COLUMN "QUOTED_STRING" | DATA_FILE
"QUOTED_STRING";

propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " , " "propertyValue" };

setReferencesToRecordFileModuleClause = RECORD "QUOTED_STRING" OF
FLAT_FILE "QUOTED_STRING";
  
```

```
setReferencesToLocationClause = DEFAULT_LOCATION "QUOTED_STRING";
setReferencesToFileAndModuleClause = FLAT_FILE "QUOTED_STRING";
setPropertiesAndReferencesToFieldClauses = "setPropertiesClause" [ SET ( REF |
REFERENCE ) "setReferencesToFieldClause" ] | ( REF | REFERENCE )
"setReferencesToFieldClause";
addExternalTableDatafileClause = DATA_FILE "QUOTED_STRING" [ SET
"setPropertiesClause" ];
moveExternalTableColumnToClause = MOVE TO POSITION "INTEGER_LITERAL";
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
setReferencesToFieldClause = FIELD "QUOTED_STRING";
```

Keywords and Parameters

alterExternalTableCommand

Alter the existing external table.

QUOTED_STRING

The name of the external table to alter.

renameClause

Rename the external table to the value of the following quoted string.

setPropertiesAndReferencesClauses

Set the properties and/or flat file reference of the external table.

alterExternalTableObjectClauses

Add, modify, or delete columns or data files.

setPropertiesClause

Set specified properties of the external table.

setReferencesToRecordAndLocationClauses

Set the referenced record and/or default location.

addExternalTableObjectClause

Add a column to the external table. The name of the new column will be the quoted string.

modifyExternalTableObjectClause

Modify the properties of a column or data file or move a column to a new position.

deleteExternalTableObjectClause

Delete a column or data file.

propertyNameList

The names of the properties whose values you want to set.

Properties for EXTERNAL_TABLE:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

When deployable is set to true, a script to create an External Table is generated.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: ENDIAN

Type: STRING

Valid Values: BIG, LITTLE, PLATFORM

Default: PLATFORM

Data endian should be platform default, little or big. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOAD_NULLS_WHEN_MISSING_VALUES

Type: BOOLEAN

Valid Values: true, false

Default: false

If TRUE, then NULLs are loaded for any missing values in the record. If FALSE, then records with missing values are rejected. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: NUMBER_OF_REJECTS_ALLOWED

Type: NUMBER

Valid Values: 0 - 2147483647

Default: 0

The number of rejects allowed before processing is terminated.

Name: PARALLEL_ACCESS_DRIVERS

Type: NUMBER

Valid Values: 1 - 63999

Default: 1

The number of parallel access drivers to enable.

Name: PARALLEL_ACCESS_MODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Enable or disable parallel processing.

Name: REJECTS_ARE_UNLIMITED

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable or disable limiting the number of rejected records.

Name: STRING_SIZES_IN

Type: STRING

Valid Values: CHARACTERS, BYTES

Default: BYTES

String sizes are in bytes or characters. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: TRIM

Type: STRING

Valid Values: LEFT, NONE, SQL*LOADER, BOTH, RIGHT

Default: NONE

Specification from trim option on input fields. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Properties for DATA_FILE:

Name: DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

The location of this data file for the external table.

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name of this data file.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyValueList

The values for the named properties.

setReferencesToRecordFileModuleClause

Specify the record and full path to the flat file for the external table to reference.

setReferencesToLocationClause

Specify the default location for the external table.

setReferencesToFileAndModuleClause

Specify the full path to the flat file for the external table to reference.

setPropertyAndReferencesToFieldClauses

Set the properties and/or field reference of the external table column.

addExternalTableDatafileClause

Add a new data file to the external table. The name of the new data file will be the quoted string. You may also set the properties of the new data file.

moveExternalTableColumnToClause

Move a column of the external table.

propertyValue

A property value.

setReferencesToFieldClause

Set the name of the field which the external table column references.

Examples

```
OMBALTER EXTERNAL_TABLE 'SRC_TABLE' RENAME TO 'MY_TABLE' SET
PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('a new description', 'My
Table') This will rename the external table "SRC_TABLE" to "MY_TABLE", and set its
description to "a new description", and set its business name to "My Table".
```

See Also

OMBALTER, OMBCREATE EXTERNAL_TABLE, OMBDROP EXTERNAL_TABLE

OMBALTER FLAT_FILE

Purpose

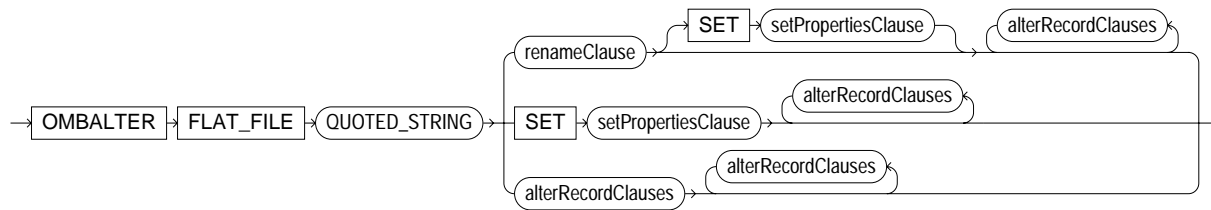
OMBALTER FLAT_FILE - Alter the flat file by renaming it, and/or reset its properties.

Prerequisites

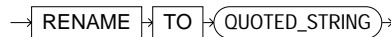
Should be in the context of a flat file module.

Syntax Diagrams

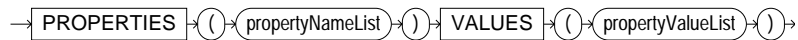
alterFlatFileCommand



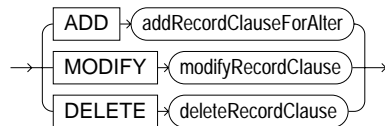
renameClause



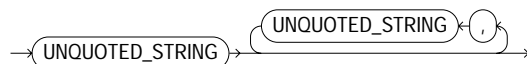
setPropertiesClause



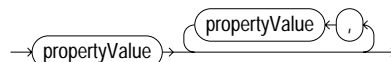
alterRecordClauses



propertyNameList



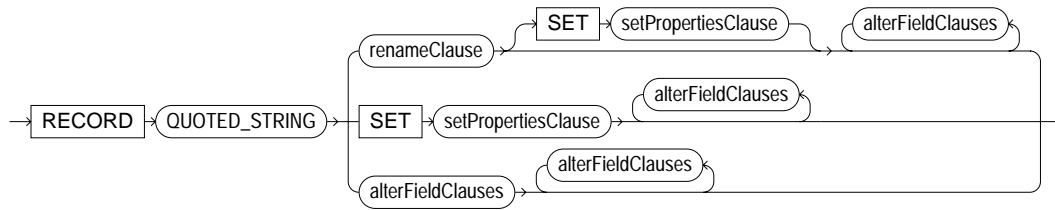
propertyValueList



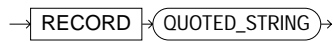
addRecordClauseForAlter



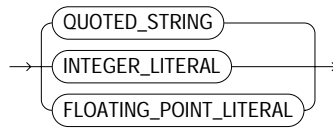
modifyRecordClause



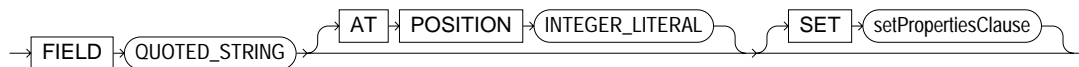
deleteRecordClause



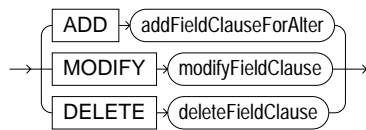
propertyValue



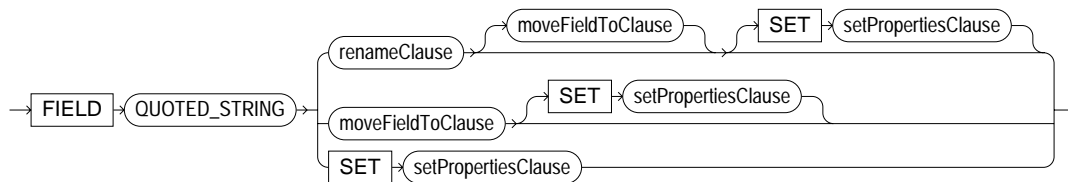
addFieldClauseForAlter



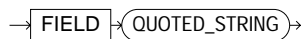
alterFieldClauses



modifyFieldClause



deleteFieldClause



moveFieldToClause



Syntax

```

alterFlatFileCommand = OMBALTER ( FLAT_FILE "QUOTED_STRING" (
  "renameClause" [ SET "setPropertiesClause" ] { "alterRecordClauses" } | SET
  "setPropertiesClause" { "alterRecordClauses" } | "alterRecordClauses" {
    "alterRecordClauses" } ) );
  
```

```

renameClause = RENAME TO "QUOTED_STRING";
  
```

```

setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
  "propertyValueList" ")";
  
```

```
alterRecordClauses = ADD "addRecordClauseForAlter" | MODIFY
"modifyRecordClause" | DELETE "deleteRecordClause";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };

addRecordClauseForAlter = RECORD "QUOTED_STRING" [ SET
"setPropertiesClause" ] { ADD "addFieldClauseForAlter" };

modifyRecordClause = RECORD "QUOTED_STRING" ( "renameClause" [ SET
"setPropertiesClause" ] { "alterFieldClauses" } | SET "setPropertiesClause" {
"alterFieldClauses" } | "alterFieldClauses" { "alterFieldClauses" } );

deleteRecordClause = RECORD "QUOTED_STRING";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addFieldClauseForAlter = FIELD "QUOTED_STRING" [ AT POSITION "INTEGER_
LITERAL" ] [ SET "setPropertiesClause" ];

alterFieldClauses = ADD "addFieldClauseForAlter" | MODIFY "modifyFieldClause"
| DELETE "deleteFieldClause";

modifyFieldClause = FIELD "QUOTED_STRING" ( "renameClause" [
"moveFieldToClause" ] | SET "setPropertiesClause" ] | "moveFieldToClause" [ SET
"setPropertiesClause" ] | SET "setPropertiesClause" );

deleteFieldClause = FIELD "QUOTED_STRING";

moveFieldToClause = MOVE TO POSITION "INTEGER_LITERAL";
```

Keywords and Parameters

alterFlatFileCommand

Alter a flat file.

QUOTED_STRING

The name of the flat file to alter.

renameClause

Rename the flat file to the following quoted string.

setPropertiesClause

Set the properties of the flat file, record, or field.

alterRecordClauses

Add, modify, or drop a record of the flat file.

propertyNameList

The names of the properties whose values you want to set.

Properties for FLAT_FILE:

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

The name of the "sampled" file. Also the default data file value used in SQL*Loader maps and External Tables.

Name: IS_DELIMITED

Type: BOOLEAN

Valid Values: true, false, 1, 0

Default: true

True indicates that this flat file is delimited. False indicates that its fields are defined by fixed lengths

Name: CHARACTERSET

Type: STRING

Valid Values:

AL24UTFFSS,AR8ARABICMAC,AR8ARABICMACS,AR8ISO8859P6,AR8MSAWIN,A
R8MSWIN1256,BLT8CP921,BLT8EBCDIC1112,BLT8MSWIN1257,BLT8PC775,CDN8PC
863,CL8EBCDIC1025,CL8EBCDIC1025X,CL8ISO8859P5,CL8KOI8R,CL8MACCYRILLI
C,CL8MACCYRILLICS,CL8MSWIN1251,D8EBCDIC273,DK8EBCDIC277,EE8EBCDIC
870,EE8ISO8859P2,EE8MACCE,EE8MACCES,EE8MACCROATIAN,EE8MACCROATI
ANS,EE8MSWIN1250,EE8PC852,EL8EBCDIC875,EL8ISO8859P7,EL8MACGREEK,EL8
MACGREEKS,EL8MSWIN1253,EL8PC437S,EL8PC737,EL8PC869,F8EBCDIC297,I8EBC
DIC280,IS8MACICELANDIC,IS8MACICELANDICS,IS8PC861,IW8EBCDIC424,IW8IS
O8859P8,IW8MACHEBREW,IW8MACHEBREWS,IW8MSWIN1255,JA16EBCDIC930,J
A16EUC,JA16EUCYEN,JA16MACSJIS,JA16SJIS,JA16SJISYEN,JA16VMS,KO16KSC560
1,LT8MSWIN921,N8PC865,NEE8ISO8859P4,RU8PC855,RU8PC866,S8EBCDIC278,SE8I
SO8859P3,TH8MACTHAI,TH8MACTHAIS,TH8TISASCII,TR8EBCDIC1026,TR8MAC
TURKISH,TR8MACTURKISHS,TR8MSWIN1254,TR8PC857,US7ASCII,US8PC437,UTF
8,WE8EBCDIC284,WE8EBCDIC285,WE8EBCDIC37,WE8EBCDIC37C,WE8EBCDIC500
,WE8EBCDIC500C,WE8EBCDIC871,WE8ISO8859P1,WE8ISO8859P9,WE8MACROMA
N8,WE8MACROMAN8S,WE8MSWIN1252,WE8PC850,WE8PC860,ZHS16CGB231280,
ZHS16GBK,ZHS16MACCGB231280,ZHT16BIG5,ZHT16MSWIN950,ZHT32EUC

Default: WE8MSWIN1252 The character set of the data file.

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: "

The character(s) which denote the end of a physical record in a data file. (Please note that this is not the FIELD_DELIMITER.

Name: RECORD_LENGTH

Type: NUMBER

Valid Values: 0+

Default: 0 (Records are delimited by default)

The length (in characters) of the records in the data file.

Name: RECORD_TYPE_COLUMN_NUMBER

Type: NUMBER

Valid Values: 0+

Default: 1

The column which contains the record type values for a delimited, multi-record type file.

Name: RECORD_TYPE_START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: RECORD_TYPE_END_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The ending position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: NUMBER_OF_RECORDS_TO_SKIP

Type: NUMBER

Valid Values: 0 - 1000

Default: 0

The default number of records to skip when loading this file.

Name: FIELD_DELIMITER

Type: STRING

Valid Values: Any single character

Default: ',' (Comma)

The character to divide the fields in a delimited file.

Name: FIELD_LEFT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: FIELD_RIGHT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: NUMBER_OF_PHYSICAL_RECORDS_PER_LOGICAL

Type: Number

Valid Values: 0+

Default: 0

Set this value if you wish to concatenate a fixed number of physical records to form a single logical record.

Name: CONTINUE_IF_ENDS_WITH

Type: STRING

Valid Values: Any single character

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records ending with this character.

Name: CONTINUE_IF_STARTS_WITH

Type: STRING

Valid Values: N/A

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records beginning with this character.

Properties for RECORD:

Name: RECORD_TYPE_VALUE

Type: STRING

Valid Values: N/A

Default: None

This is a mandatory property for each record of a multi-record type file. It is the string which will identify this record type in the data file.

Properties for FIELD:

Name: DATATYPE

Type: STRING

Valid Values: CHAR, DATE, DECIMAL EXTERNAL, FLOAT EXTERNAL, INTEGER EXTERNAL, ZONED EXTERNAL, ZONED Default: CHAR This is the SQL*Loader data type for the field.

Name: LENGTH

Type: NUMBER

Valid Values: 1+

Default: 1

This is the length of the field in a fixed length file. This is the max length of the field in a delimited file.

Name: PRECISION

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Precision of the field.

Name SCALE

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Scale of the field

Name: START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of a field for a fixed length file.

Name: SQL_DATATYPE

Type: STRING

Valid Values: CHAR, DATE, FLOAT, NUMBER, VARCHAR, VARCHAR2, DEFAULT

Default: DEFAULT. This will derive the SQL_DATATYPE from the value of DATATYPE. The data type which the field will be treated as in mapping and for External Tables.

Name: SQL_LENGTH

Type: NUMBER

Valid Values: for 'CHAR' : 1 - 2000 for 'VARCHAR' and 'VARCHAR2' : 1 - 4000 Default: Depends on Sql data type.

Name: SQL_PRECISION

Type: NUMBER

Valid Values: 1 - 38

Default: 1

Name: SQL_SCALE

Type: NUMBER

Valid Values: -84 - 127

Default: 0

Name: MASK

Type: STRING

Valid Values: N/A

Default: None

This is the mask used to define the format of DATE fields in the data file.

Name: NULL_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be NULL.

Name: DEFAULT_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be either NULL or 0, dependent on data type.

propertyValueList

The values for the named properties.

addRecordClauseForAlter

Add a record named by the following quoted string.

modifyRecordClause

Modify a record specified by the following quoted string.

deleteRecordClause

Delete a record specified by the following quoted string.

propertyValue

A property value.

addFieldClauseForAlter

Add a field to the record.

alterFieldClauses

Add, modify, or drop a field.

modifyFieldClause

Modify the properties of a field specified by the following quoted string.

deleteFieldClause

Delete a field specified by the following quoted string.

moveFieldToClause

Move a field to a new position in the record.

Examples

```
OMBALTER FLAT_FILE 'OLD_NAME' RENAME TO 'NEW_NAME' SET
PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a target
file.', 'target file') This will rename the flat file "OLD_NAME" to "NEW_NAME", set its
description to "This becomes a target file", and set its business name to "target file".
```

See Also

OMBALTER, OMBCREATE FLAT_FILE, OMBDROP FLAT_FILE

OMBALTER FLAT_FILE_MODULE

Purpose

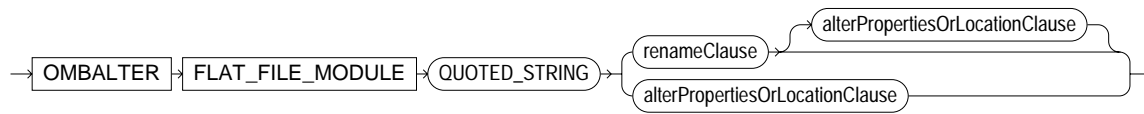
OMBALTER FLAT_FILE_MODULE - Alter the flat file module by renaming it, and/or resetting its properties.

Prerequisites

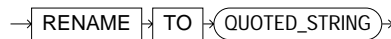
Should be in the context of a project.

Syntax Diagrams

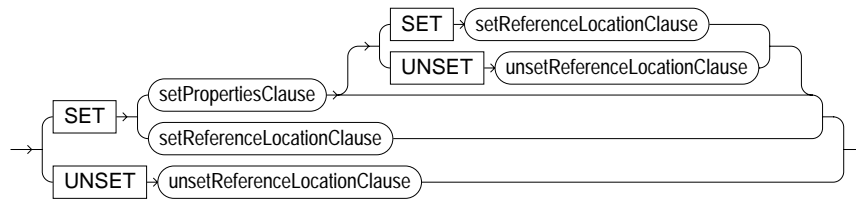
alterFlatFileModuleCommand



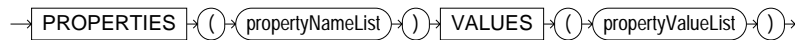
renameClause



alterPropertiesOrLocationClause



setPropertiesClause



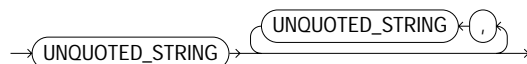
setReferenceLocationClause



unsetReferenceLocationClause



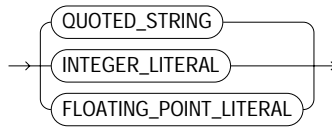
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterFlatFileModuleCommand = OMBALTER ( FLAT_FILE_MODULE "QUOTED_
STRING" ( "renameClause" [ "alterPropertiesOrLocationClause" ] |
"alterPropertiesOrLocationClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
alterPropertiesOrLocationClause = SET ( "setPropertiesClause" [ SET
"setReferenceLocationClause" | UNSET "unsetReferenceLocationClause" ] |
"setReferenceLocationClause" ) | UNSET "unsetReferenceLocationClause";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "(
" "propertyValueList" ")";
```

```
setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";
```

```
unsetReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " ," "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterFlatFileModuleCommand

Alter a flat file module.

QUOTED_STRING

The name of the flat file module to alter.

renameClause

Rename the flat file module.

QUOTED_STRING

The new name for the flat file module.

alterPropertiesOrLocationClause

Alter either the properties of the flat file module, the location of the flat file module, or both.

setPropertyClause

Set some properties of the flat file module.

setReferenceLocationClause

Set the location for the flat file module to the location specified by the quoted string.

unsetReferenceLocationClause

Unset the location for the flat file module.

propertyNameList

The names of the properties whose values you want to set.

Basic properties for FLAT_FILE_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of the flat file module.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the flat file module.

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of the flat file module.

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

OMBALTER FLAT_FILE_MODULE 'src_module' RENAME TO 'tgt_module' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a target module.', 'target module') This will rename the flat file module "src_module" to "tgt_module", and set its description to "This becomes a target module", set its business name to "target module".

See Also

OMBALTER, OMBCREATE FLAT_FILE_MODULE, OMBDROP FLAT_FILE_MODULE

OMBALTER FUNCTION

Purpose

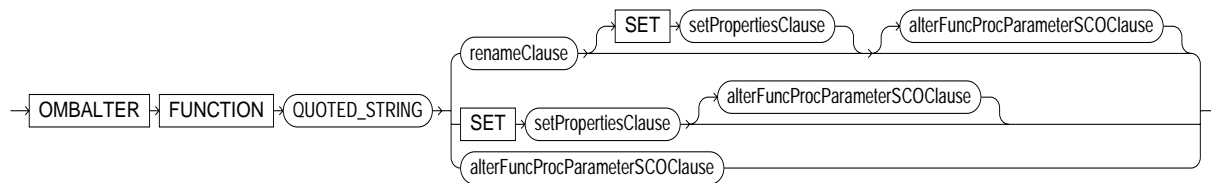
OMBALTER FUNCTION - Alter the Function by renaming it, and/or reset its properties.

Prerequisites

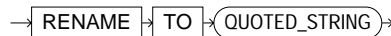
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

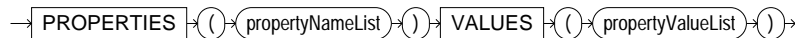
alterFunctionCommand



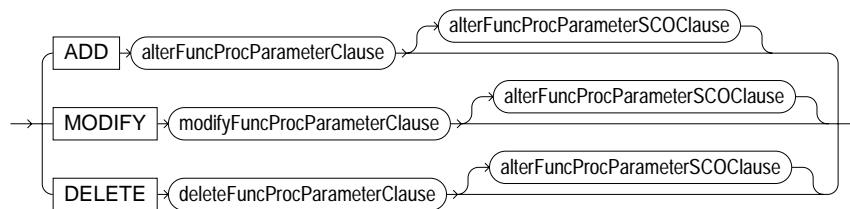
renameClause



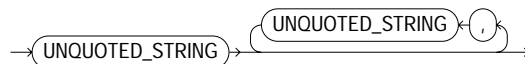
setPropertiesClause



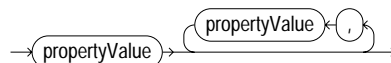
alterFuncProcParameterSCOClause



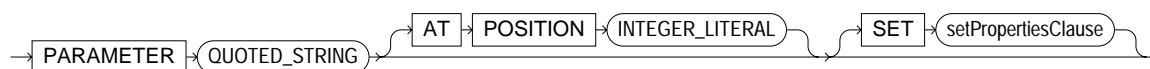
propertyNameList



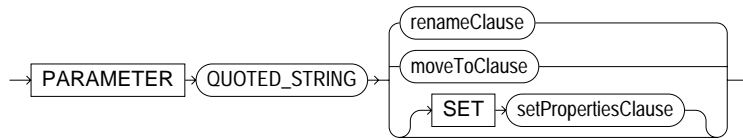
propertyValueList



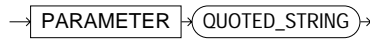
alterFuncProcParameterClause



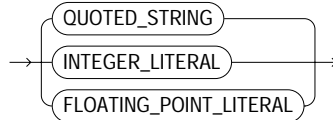
modifyFuncProcParameterClause



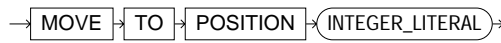
deleteFuncProcParameterClause



propertyValue



moveToClause



Syntax

```
alterFunctionCommand = OMBALTER ( FUNCTION "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] [ "alterFuncProcParameterSCOClaue"
] | SET "setPropertiesClause" [ "alterFuncProcParameterSCOClaue" ] |
    "alterFuncProcParameterSCOClaue" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
    "propertyValueList" ")";
```

```
alterFuncProcParameterSCOClaue = ( ADD "alterFuncProcParameterClause" [
    "alterFuncProcParameterSCOClaue" ] | MODIFY
    "modifyFuncProcParameterClause" [ "alterFuncProcParameterSCOClaue" ] |
    DELETE "deleteFuncProcParameterClause" [ "alterFuncProcParameterSCOClaue" ]
);
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
alterFuncProcParameterClause = PARAMETER "QUOTED_STRING" [ AT POSITION
    "INTEGER_LITERAL" ] [ SET "setPropertiesClause" ];
```

```
modifyFuncProcParameterClause = ( PARAMETER "QUOTED_STRING" (
    "renameClause" | "moveToClause" | [ SET "setPropertiesClause" ] ) );
```

```
deleteFuncProcParameterClause = ( PARAMETER "QUOTED_STRING" );
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
    POINT_LITERAL" );
```

```
moveToClause = MOVE TO POSITION "INTEGER_LITERAL";
```

Keywords and Parameters

alterFunctionCommand

This command modifies an existing Function.

QUOTED_STRING

Name of the existing Function in single quotes.

renameClause

Rename a Function.

setPropertyClause

Used to set properties (core, user-defined) for function. Valid properties are shown below:

Basic properties for FUNCTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Function

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Function

Name: RETURN_TYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the Return Type for Function

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Function which is included global variable declaration and code between BEGIN and END.

Name: IS_DETERMINISTIC

Type: BOOLEAN

Valid Values: true, false

Default: false

This setting helps the optimizer avoid redundant function calls.

Name: IS_PARALLEL_ENABLE

Type: BOOLEAN

Valid Values: true, false

Default: false

This option sets flag to a stored function can be used safely in the slave sessions of parallel DML evaluations.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for FUNCTION:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

alterFuncProcParameterSCOClause

Second class object clause to modify, delete or add a Parameter for Function/Procedure.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

alterFuncProcParameterClause

This clause alters Parameter of a Function.

modifyFuncProcParameterClause

Modify one or more Parameters to this Function/Procedure.

deleteFuncProcParameterClause

Delete one or more Parameters to this Function/Procedure.

propertyValue

Value of a property.

moveToClause

Move a Parameters of this Function/Procedure.

Examples

OMBALTER FUNCTION 'func' RENAME TO 'function_1' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a function_1', 'function_1') This will rename the Function "func" to "function_1", and set its description to "This becomes a function_1", set its business name to "function_1" If Packaged Function is overloaded, first find the Signature by using OMBLIST command, and then use OMBALTER command using appropriate signature. Example, if OMBLIST FUNCTIONS gives following two signatures, FUNC_1 (NUMBER) RETURN NUMBER FUNC_1 (VARCHAR2, NUMBER) RETURN NUMBER The OMBALTER Syntax to modify the first one will be as follows OMBALTER FUNCTION 'FUNC_1 \ (NUMBER\) RETURN NUMBER' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('descri_FUNC_1', 'FUNC_1')

See Also

OMBALTER, OMBCREATE FUNCTION, OMBDROP FUNCTION

OMBALTER LOCATION

Purpose

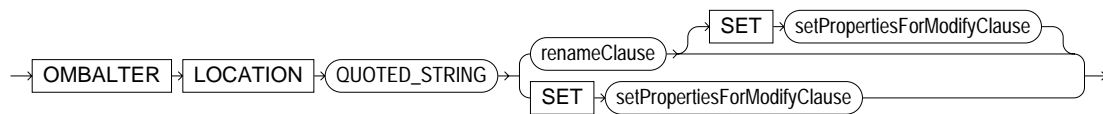
OMBALTER LOCATION - Alter the location by renaming it, and/or reset its properties.

Prerequisites

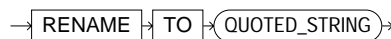
Should be in the context of a project.

Syntax Diagrams

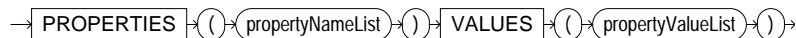
alterLocationCommand



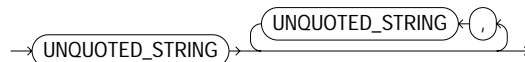
renameClause



setPropertiesForModifyClause



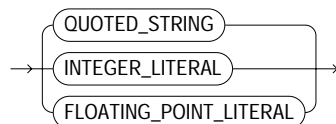
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterLocationCommand = OMBALTER ( LOCATION "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesForModifyClause" ] | SET
    "setPropertiesForModifyClause" ) );

renameClause = RENAME TO "QUOTED_STRING";

setPropertiesForModifyClause = PROPERTIES "(" "propertyNameList" ")" VALUES
    "(" "propertyValueList" ")";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterLocationCommand

Alter the location specified by the quoted string.

renameClause

Rename the location to the value of the following quoted string.

setPropertyForModifyClause

Set or alter specified properties of the location.

propertyNameList

The names of the properties whose values you want to set.

Properties for LOCATION:

Name: TYPE

Type: STRING

Valid Values: 'Oracle Gateway', 'File System', 'Oracle Database', 'OEM Agent', 'Oracle Workflow', 'SAP' Default: N/A The type of system the location represents.

Name: VERSION

Type: STRING

Valid Values:

for 'Oracle Gateway' : '0'

for 'File System' : '0'

for 'Oracle Database' : '9.2','9.0','8.1','8.0','7.3.4'

for 'OEM Agent' : '9.2','9.0'

for 'Oracle Workflow' : '2.6'

for 'SAP' : '4.x','3.x'

Default: N/A

The version of the system(s) the location represents.

Basic properties for LOCATION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the location.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the location.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

OMBALTER LOCATION 'OLD_LOCATION' RENAME TO 'NEW_LOCATION' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a new location.', 'new location') This will rename the location "OLD_LOCATION" to "NEW_LOCATION", and set its description to "This becomes a new location", set its business name to "new location".

See Also

OMBALTER, OMBCREATE LOCATION, OMBDROP LOCATION

OMBALTER MAPPING

Purpose

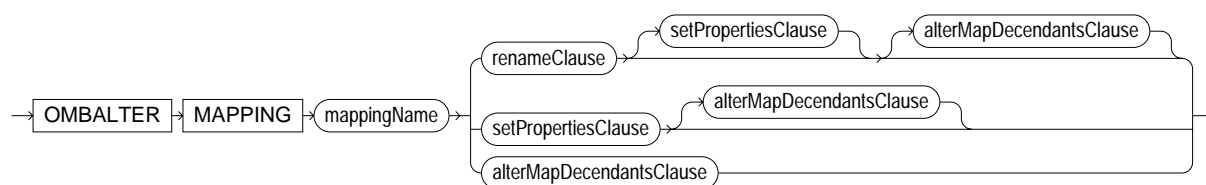
OMBALTER MAPPING - Alter the content of a mapping.

Prerequisites

1. The current context of scripting must be an Oracle Module
2. No concurrent user should be modifying the mapping

Syntax Diagrams

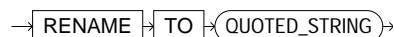
alterMappingCommand



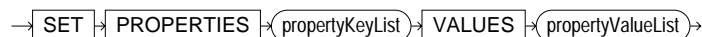
mappingName



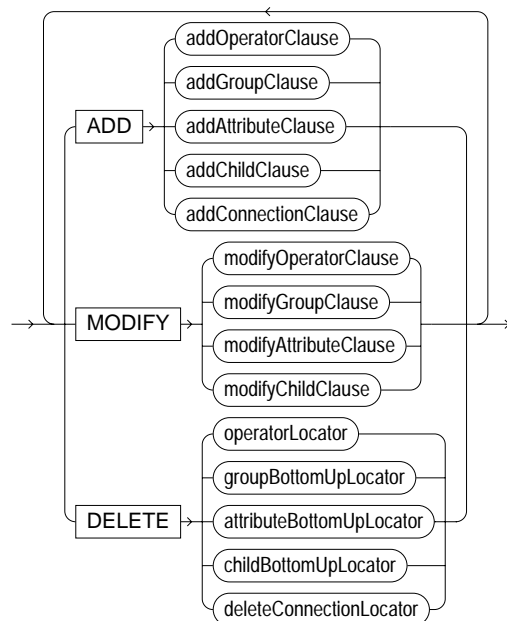
renameClause



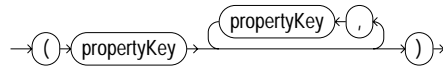
setPropertiesClause



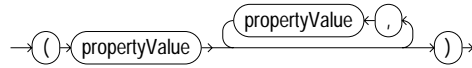
alterMapDecendantsClause



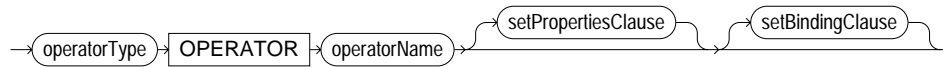
propertyKeyList



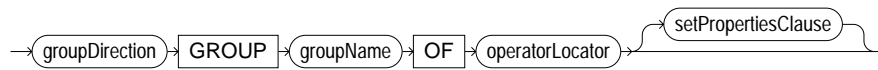
propertyValueList



addOperatorClause



addGroupClause



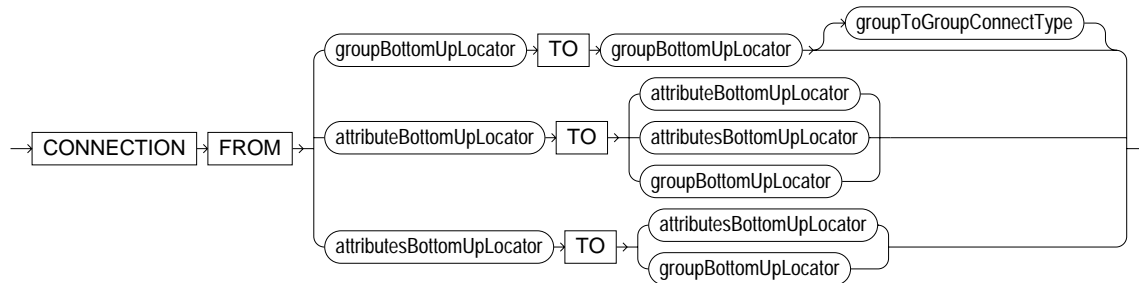
addAttributeClause



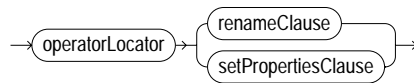
addChildClause



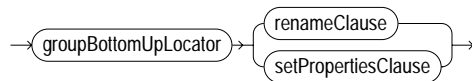
addConnectionClause



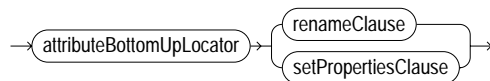
modifyOperatorClause



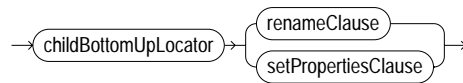
modifyGroupClause



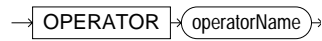
modifyAttributeClause



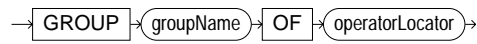
modifyChildClause



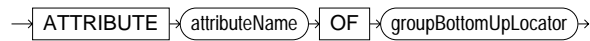
operatorLocator



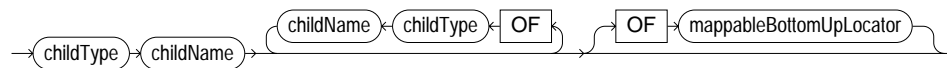
groupBottomUpLocator



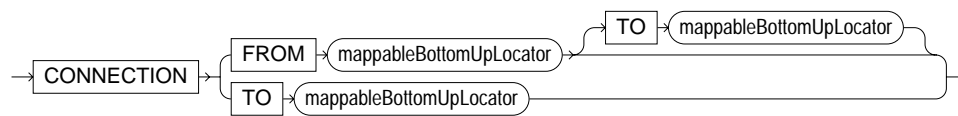
attributeBottomUpLocator



childBottomUpLocator



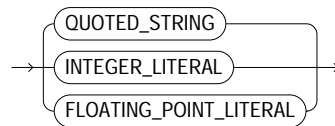
deleteConnectionLocator



propertyKey



propertyValue



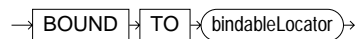
operatorType



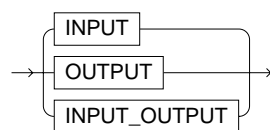
operatorName



setBindingClause



groupDirection



groupName



attributeName



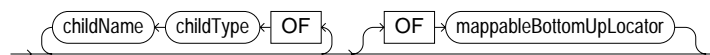
childType



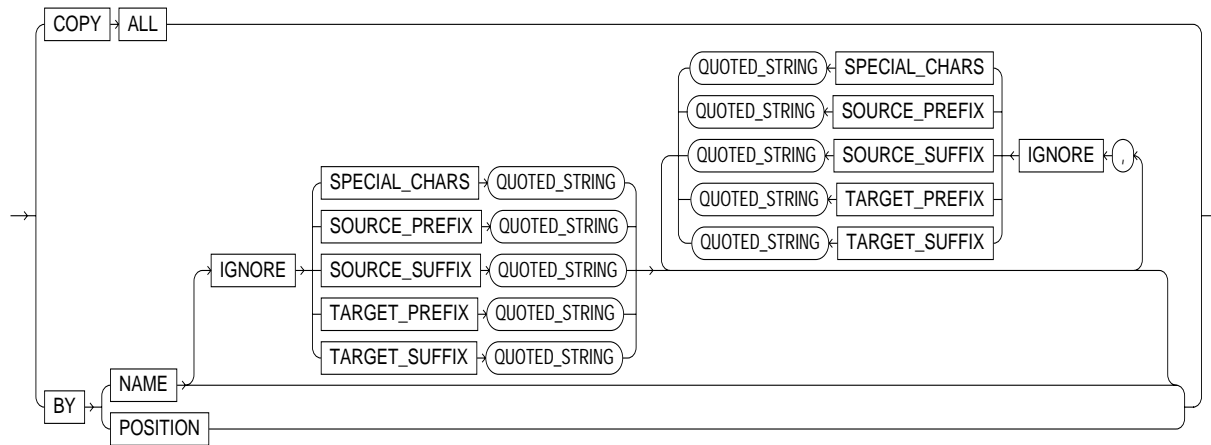
childName



childOwnerBottomUpLocator



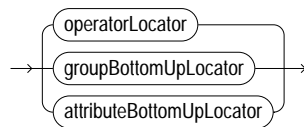
groupToGroupConnectType



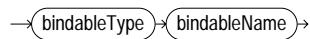
attributesBottomUpLocator



mappableBottomUpLocator



bindableLocator



attributeNameList



bindableType

→ UNQUOTED_STRING →

bindableName

→ QUOTED_STRING →

Syntax

```

alterMappingCommand = OMBALTER MAPPING "mappingName" (
  "renameClause" [ "setPropertiesClause" ] [ "alterMapDecendantsClause" ] |
  "setPropertiesClause" [ "alterMapDecendantsClause" ] |
  "alterMapDecendantsClause" );

mappingName = "QUOTED_STRING";

renameClause = RENAME TO "QUOTED_STRING";

setPropertiesClause = SET PROPERTIES "propertyKeyList" VALUES
  "propertyValueList";

alterMapDecendantsClause = ( ADD ( "addOperatorClause" | "addGroupClause" |
  "addAttributeClause" | "addChildClause" | "addConnectionClause" ) | MODIFY (
  "modifyOperatorClause" | "modifyGroupClause" | "modifyAttributeClause" |
  "modifyChildClause" ) | DELETE ( "operatorLocator" | "groupBottomUpLocator" |
  "attributeBottomUpLocator" | "childBottomUpLocator" | "deleteConnectionLocator"
  ) );

propertyKeyList = "( " "propertyKey" { " , " "propertyKey" } " )";

propertyValueList = "( " "propertyValue" { " , " "propertyValue" } " )";

addOperatorClause = "operatorType" OPERATOR "operatorName" [
  "setPropertiesClause" ] [ "setBindingClause" ];

addGroupClause = "groupDirection" GROUP "groupName" OF "operatorLocator" [
  "setPropertiesClause" ];

addAttributeClause = ATTRIBUTE "attributeName" OF "groupBottomUpLocator" [
  "setPropertiesClause" ];

addChildClause = "childType" "childName" "childOwnerBottomUpLocator" [
  "setPropertiesClause" ];

addConnectionClause = CONNECTION FROM ( "groupBottomUpLocator" TO
  "groupBottomUpLocator" [ "groupToGroupConnectType" ] |
  "attributeBottomUpLocator" TO ( "attributeBottomUpLocator" |
  "attributesBottomUpLocator" | "groupBottomUpLocator" ) |
  "attributesBottomUpLocator" TO ( "attributesBottomUpLocator" |
  "groupBottomUpLocator" ) );

modifyOperatorClause = "operatorLocator" ( "renameClause" |
  "setPropertiesClause" );

modifyGroupClause = "groupBottomUpLocator" ( "renameClause" |
  "setPropertiesClause" );

modifyAttributeClause = "attributeBottomUpLocator" ( "renameClause" |
  "setPropertiesClause" );

modifyChildClause = "childBottomUpLocator" ( "renameClause" |
  "setPropertiesClause" );

```

```
operatorLocator = OPERATOR "operatorName";
groupBottomUpLocator = GROUP "groupName" OF "operatorLocator";
attributeBottomUpLocator = ATTRIBUTE "attributeName" OF
"groupBottomUpLocator";
childBottomUpLocator = "childType" "childName" { OF "childType" "childName" } [
OF "mappableBottomUpLocator" ];
deleteConnectionLocator = CONNECTION ( FROM "mappableBottomUpLocator" [
TO "mappableBottomUpLocator" ] | TO "mappableBottomUpLocator" );
propertyKey = "UNQUOTED_STRING";
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
operatorType = "UNQUOTED_STRING";
operatorName = "QUOTED_STRING";
setBindingClause = BOUND TO "bindableLocator";
groupDirection = INPUT | OUTPUT | INPUT_OUTPUT;
groupName = "QUOTED_STRING";
attributeName = "QUOTED_STRING";
childType = "UNQUOTED_STRING";
childName = "QUOTED_STRING";
childOwnerBottomUpLocator = { OF "childType" "childName" } [ OF
"mappableBottomUpLocator" ];
groupToGroupConnectType = COPY ALL | BY ( NAME | IGNORE ( SPECIAL_
CHARS "QUOTED_STRING" | SOURCE_PREFIX "QUOTED_STRING" | SOURCE_
SUFFIX "QUOTED_STRING" | TARGET_PREFIX "QUOTED_STRING" | TARGET_
SUFFIX "QUOTED_STRING" ) { " ," IGNORE ( SPECIAL_CHARS "QUOTED_
STRING" | SOURCE_PREFIX "QUOTED_STRING" | SOURCE_SUFFIX "QUOTED_
STRING" | TARGET_PREFIX "QUOTED_STRING" | TARGET_SUFFIX "QUOTED_
STRING" ) } | POSITION );
attributesBottomUpLocator = ATTRIBUTES "attributeNameList" OF
"groupBottomUpLocator";
mappableBottomUpLocator = "operatorLocator" | "groupBottomUpLocator" |
"attributeBottomUpLocator";
bindableLocator = "bindableType" "bindableName";
attributeNameList = "( " "attributeName" { " ," "attributeName" } " )";
bindableType = "UNQUOTED_STRING";
bindableName = "QUOTED_STRING";
```

Keywords and Parameters

alterMappingCommand

Alter the content of a mapping.

mappingName

Name of the mapping.

`renameClause`

Rename a mapping, mapping operator, mapping group, or mapping attribute.

`setPropertyClause`

Describe the keys of properties for the map or objects in the map.

`alterMapDecendantsClause`

Alter a map by adding, modifying or deleting its descendants.

`propertyKeyList`

The list of property keys

`propertyValueList`

A list of property values.

`addOperatorClause`

Adds a mapping operator to a map. When you add an operator, Warehouse Builder creates default groups and parameters for the operator. Please see the appendix section of the Scripting Reference.

The following is an example for creating a child object under a mapping (which is not an operator) `OMBALTER MAPPING 'M1' ADD SOURCE_DATA_FILE 'FILE1'`

The following is an example for creating an operator:

`OMBALTER MAPPING 'M1' ADD TABLE OPERATOR 'T1'`

In the second example, when user forgets to type "OPERATOR" "GROUP" "ATTRIBUTE" key word, instead of complaining the keywords are missing, OMBPlus will complain about error getting child objects. Here is an example: `OMB+> OMBALTER MAPPING 'M1' ADD TABLE 'T1'` OMB02932: Error getting child objects of type TABLE in M1

TO A USER: it looks like OMBPlus should complain they forget to type a keyword.

TO OMBPLUS: the syntax is actually for creating a non-operator child object under the mapping. Therefore, it goes and tries to find type definition for non-operator child object "TABLE" and cannot find it. Therefore the exception is thrown.

`addGroupClause`

Add a mapping group to a mapping operator.

`addAttributeClause`

Add a mapping attribute to a mapping group.

`addChildClause`

Add a child to a mapping, mapping operator, mapping group or mapping attribute.

`addConnectionClause`

Add connections between mapping groups or mapping attributes.

`modifyOperatorClause`

Modify a mapping operator.

`modifyGroupClause`

Modify a mapping group.

`modifyAttributeClause`

Modify a mapping attribute.

`modifyChildClause`

Modify a child that belongs to a mapping, mapping operator, mapping group or mapping attribute.

`operatorLocator`

Location of a mapping operator.

`groupBottomUpLocator`

Location of a mapping group.

`attributeBottomUpLocator`

Location of a mapping attribute.

`childBottomUpLocator`

Location of the child that belongs to a map, mapping operator, mapping group or mapping attribute.

deleteConnectionLocator

Delete connections between mapping operators, mapping groups or mapping attributes.

propertyKey

A property key for an object.

Basic properties for MAPPING:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the mapping

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the mapping

Basic properties for OPERATOR:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the operator

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the operator

Basic properties for GROUP:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the group

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the group

Basic properties for ATTRIBUTE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the attribute

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the attribute

Name: DATATYPE

Type: STRING(20)

Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, LONG

Default: "

Datatype of the Attribute

Name: LENGTH

Type: NUMBER

Valid Values: N/A

Default: 0

Length of the attribute.

Name: PRECISION

Type: NUMBER

Valid Values: N/A

Default: 0

Precision of the attribute.

Name: SCALE

Type: NUMBER

Valid Values: N/A

Default: 0

Scale of the attribute.

Properties for MAPPING:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: STEP_TYPE

Type: STRING

Valid Values: ABAP, SQLLOADER, PLSQL

Default: UNKNOWN

The step type used to generate this mapping

Properties for MAPPING ABAP STEP:

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Control File Name

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Data File Name

Name: FILE_DELIMITER_FOR_STAGING_FILE

Type: STRING

Valid Values: N/A

Default: ~

File Delimiter for Staging File

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.log

Log File Name

Name: NESTED_LOOP

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Nested Loop

Name: PRIMARY_FOREIGN_KEY_FOR_JOIN

Type: STRING

Valid Values: N/A

Default: DEFAULT

Primary Foreign Key for Join

Name: SAP_SYSTEM_VERSION

Type: STRING

Valid Values: SAP_R3_4X, SAP_R3_3X

Default: SAP_R3_4X

SAP System Version

Name: SQL_JOIN_COLLAPSING

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Sql Join Collapsing

Name: STAGING_FILE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: C:\temp\

Staging File Directory

Name: USE_SELECT_SINGLE

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Use Select Single

Properties for MAPPING PLSQL STEP:

Name: ANALYZE_TABLE_SAMPLE_PERCENTAGE

Type: NUMBER

Valid Values: N/A

Default: 90

The default percentage of rows to be sampled when the target tables are analyzed for statistics to improve performance during insertion.

Name: ANALYZE_TABLE_STATEMENTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate statistics collection statement if this is true.

Name: BULK_PROCESSING_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate bulk processing code if this is true.

Name: BULK_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50

The default number of rows to be fetched in batch during cursor processing.

Name: COMMIT_FREQUENCY

Type: NUMBER

Valid Values: N/A

Default: 1000

The default number of rows processed before a commit is issued.

Name: CORRELATED_COMMIT

Type: BOOLEAN

Valid Values: true, false

Default: false

The mapping commits or rolls back correlated rows together.

Name: DEFAULT_AUDIT_LEVEL

Type: STRING

Valid Values: NONE, STATISTICS, ERROR_DETAILS, COMPLETE

Default: ERROR_DETAILS

The default audit level when the step is executed.

Name: DEFAULT_OPERATING_MODE

Type: STRING

Valid Values: SET_BASED, ROW_BASED, ROW_BASED_TARGET_ONLY, SET_BASED_FAIL_OVER_TO_ROW_BASED, SET_BASED_FAIL_OVER_TO_ROW_BASED_TARGET_ONLY Default: SET_BASED_FAIL_OVER_TO_ROW_BASED The default operating mode.

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: MAXIMUM_NUMBER_OF_ERRORS

Type: NUMBER

Valid Values: N/A

Default: 50

The default maximum number of errors encountered before aborting the step execution.

Name: OPTIMIZED_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Attempt to generate optimized code if this is true.

Name: PARALLEL_ROW_CODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Generate parallel row code if this is true.

Properties for MAPPING SQLLOADER STEP:

Name: AUDIT

Type: BOOLEAN

Valid Values: true, false

Default: true

Perform audit when the step is executed.

Name: BIND_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50000

Bind Size

Name: CONTINUE_LOAD

Type: BOOLEAN

Valid Values: true, false

Default: false

Continue Load

Name: CONTROL_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The Control File Location

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The control file name used in TCL generation

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name from which to allocate extents

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: DELIMITED_FILE_RECORD_TERMINATION

Type: STRING

Valid Values: N/A

Default: N/A

This property has been deprecated. Please set the record delimiter in the Flat File Sample Wizard or Property Sheet.

Name: DIRECT_MODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Direct Mode

Name: ERRORS_ALLOWED

Type: NUMBER

Valid Values: N/A

Default: 50

Number of errors to allow

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The log file location.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The log file name.

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: AL24UTFFSS, AR8ARABICMAC, AR8ARABICMACS, AR8ISO8859P6, AR8MSAWIN, AR8MSWIN1256, BLT8CP921, BLT8EBDIC1112, BLT8MSWIN1257, BLT8PC775, CDN8PC863, CL8EBDIC1025, CL8EBDIC1025X, CL8ISO8859P5, CL8KOI8R, CL8MACCYRILLIC, CL8MACCYRILLICS, CL8MSWIN1251, D8EBDIC273, DK8EBDIC277, EE8EBDIC870, EE8ISO8859P2, EE8MACCE, EE8MACCES, EE8MACCROATIAN, EE8MACCROATIANS, EE8MSWIN1250, EE8PC852, EL8EBDIC875, EL8ISO8859P7, EL8MACGREEK, EL8MACGREEKS, EL8MSWIN1253, EL8PC437S, EL8PC737, EL8PC869, F8EBDIC297, I8EBDIC280, IS8MACICELANDIC, IS8MACICELANDICS, IS8PC861, IW8EBDIC424, IW8ISO8859P8, IW8MACHEBREW, IW8MACHEBREWS, IW8MSWIN1255, JA16EBDIC930, JA16EUC, JA16EUCYEN, JA16MACSJIS, JA16SJIS, JA16SJISYEN, JA16VMS, KO16KSC5601, LT8MSWIN921, N8PC865, NEE8ISO8859P4, RU8PC855, RU8PC866, S8EBDIC278, SE8ISO8859P3, TH8MACTHAI, TH8MACTHAIS, TH8TISASCII, TR8EBDIC1026, TR8MACTURKISH, TR8MACTURKISHS, TR8MSWIN1254, TR8PC857, US7ASCII, US8PC437, UTF8, WE8EBDIC284, WE8EBDIC285, WE8EBDIC37, WE8EBDIC37C, WE8EBDIC500, WE8EBDIC500C, WE8EBDIC871, WE8ISO8859P1, WE8ISO8859P9, WE8MACROMAN8, WE8MACROMAN8S, WE8MSWIN1252, WE8PC850, WE8PC860, ZHS16CGB231280, ZHS16GBK, ZHS16MACCGB231280, ZHT16BIG5, ZHT16MSWIN950, ZHT32EUC Default: WE8MSWIN1252 Nls Characterset

Name: OPERATION_RECOVERABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Operation Recoverable

Name: PERFORM_PARALLEL_LOAD

Type: BOOLEAN

Valid Values: true, false

Default: false

Perform Parallel Load

Name: PRESERVE_BLANKS

Type: BOOLEAN

Valid Values: true, false

Default: false

Preserve Blanks

Name: READ_BUFFERS

Type: NUMBER

Valid Values: N/A

Default: 4

The Number of Buffers

Name: READ_SIZE

Type: NUMBER

Valid Values: N/A

Default: 65536

The size of the read buffer

Name: RECORDS_TO_LOAD

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of logical records to load. The default value of 0 indicates to load all records.

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of logical records to skip

Name: ROWS_PER_COMMIT

Type: NUMBER

Valid Values: N/A

Default: 200

Rows per Commit

Properties for MAPPING SQLLOADER STEP SOURCE_DATA_FILE CHILD:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Bad file location.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Bad file name. If the Bad File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The location for this component.

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The data file name for this component. If the Data File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Discard file location

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Discard file name. If the Discard File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_MAX

Type: NUMBER

Valid Values: N/A

Default: 0

Discard Max

Properties for ADVANCED_QUEUE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for AGGREGATOR OPERATOR:

Name: GROUP_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Group By clause for the aggregation

Name: HAVING_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Having clause for the aggregation

Properties for CUBE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for DIMENSION OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for EXTERNAL_TABLE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for FILTER OPERATOR:

Name: FILTER_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The boolean filtering condition that identifies what data is to be processed. Any row with a false condition will be ignored.

Properties for FLAT_FILE OPERATOR:

Name: CONCATENATE_RECORDS

Type: NUMBER

Valid Values: N/A

Default: 0

Number of Physical Records per Logical Record.

Name: CONTINUATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the record is continued on the next line.

Name: CONTINUATION_CHARACTER_ON_NEXT_LINE

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

If there is a continuation character, is it at the start of the line.

Name: FIELD_ENCLOSURE_CHARACTERS

Type: STRING

Valid Values: N/A

Default: N/A

Characters that wrap fields. Example ' or ".

Name: FIELD_NAMES_IN_THE_FIRST_ROW

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

Indicates whether to write the field names in the first row of the output file.

Name: FIELD_TERMINATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: ,

Character that separates the fields of a delimited file.

Name: FILE_FORMAT

Type: STRING

Valid Values: N/A

Default: DELIMITED

File Format (Fixed or Delimited).

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, NONE

Default: INSERT

The loading operation to be performed

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: N/A

Default: WE8MSWIN1252

NLS Characterset

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the end of the record.

Name: RECORD_SIZE

Type: NUMBER

Valid Values: N/A

Default: 0

Size of a fixed length record.

Name: RECORD_TYPE_LENGTH

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the length of the data that identifies the type of record. It is used with the Record Type Position.

Name: RECORD_TYPE_POSITION

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the position of the field that identifies the type of record.

Name: SAMPLED_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the file that was sampled to get the metadata for this file.

Name: TARGET_DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The name of the location in which to open the target data file. Make sure the root path of this location, as registered in the Runtime Platform, is exactly specified in the initialization file (INIT.ORA) of your runtime database using the UTL_FILE_DIR parameter.

Name: TARGET_DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the target data file, including extension (file type). This name should not include the file path. To specify where the target data file will be created/appended, set the Target Data File Location.

Properties for INPUT_PARAMETER OPERATOR:

Properties for JOINER OPERATOR:

Name: JOIN_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The Join Condition for the join operator

Properties for KEY_LOOKUP OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: LOOKUP_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Key lookup condition based on the source inputs. This condition is used to lookup a value in the bound table. If the condition is not met, the default value expression will be returned. If a default expression is not defined, null is used.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for MATCHMERGE OPERATOR:

Name: MATCH_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

Ordered list of attributes that control the set of records to be matched at any at any particular time.

Name: MERGED_PREFIX

Type: STRING

Valid Values: N/A

Default: N/A

Set the prefix used for the merged attributes in the cross-reference group.

Properties for MATERIALIZED_VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Properties for NAME_AND_ADDRESS OPERATOR:

Name: ADDRESS_LINE_1

Type: STRING

Valid Values: N/A

Default: N/A

Address line 1

Name: ADDRESS_LINE_2

Type: STRING

Valid Values: N/A

Default: N/A

Address line 2

Name: ADDRESS_LINE_3

Type: STRING

Valid Values: N/A

Default: N/A

Address line 3

Name: ADDRESS_LINE_4

Type: STRING

Valid Values: N/A

Default: N/A

Address line 4

Name: DUAL_ADDRESS_ASSIGNMENT

Type: STRING

Valid Values: NA_DUALADDR_STREET, NA_DUALADDR_POBOX, NA_DUALADDR_CLOSESTTOLASTLINE Default: NA_DUALADDR_STREET A dual address refers to two address lines for the same destination. For example, a record

contains both a street address and a P.O. Box; this is common with business data. Select which of the two address lines should be assigned in these cases.

Name: GENERATE_CASS_REPORT

Type: STRING

Valid Values: NA_YES, NA_NO

Default: NA_NO

Select "Yes" to generate CASS (Coding Accuracy Support System) report. CASS report is a text file specified by the United States Postal Service. The report is written to the [nas/bin/admin/reports] folder under the home folder of the name/address server.

Name: LIST_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The list name is optional and provides a reference for tracking multiple CASS reports.

Name: PARSING_TYPE

Type: STRING

Valid Values: NA_NAMEONLY, NA_ADDRESSONLY, NA_NAMEANDADDRESS

Default: NA_NAMEANDADDRESS

Select a name-address parsing type to be performed on the input data

Name: PRIMARY_COUNTRY

Type: STRING

Valid Values: NA_ARG, NA_AUS, NA_BEL, NA_BRA, NA_CAN, NA_CHL, NA_COL, NA_DNK, NA_FRA, NA_DEU, NA_HKG, NA_IND, NA_IRL, NA_ITA, NA_MEX, NA_MYS, NA_NLD, NA_NZL, NA_PER, NA_PHL, NA_PRT, NA_SGP, NA_ZAF, NA_ESP, NA_SWE, NA_CHE, NA_ARE, NA_GBR, NA_USA, NA_VEN Default: NA_USA Select the primary parsing country which best represents the input data. Input addresses having the same country as the primary parsing country will only need to be parsed once. Input addresses having a different country than the primary parsing country may be reparsed by a different parser. For performance reasons, it is best to minimize the percentage of 2-pass parses by selecting the optimal parser.

Name: PROCESSOR_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The processor name is the name of the organization submitting the CASS report.

Properties for OUTPUT_PARAMETER OPERATOR:

Properties for PIVOT OPERATOR:

Name: PIVOT_GROUP_SIZE

Type: NUMBER

Valid Values: 1 - 1000

Default: 2

A number specifying the pivot group size for the pivot operation. Pivot group size determines the number of output rows that are produced from each input row.

Properties for POSTMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: POSTMAPPING_PROCESS_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR, ON_WARNING

Default: ON_SUCCESS

Indicates under what condition of the mapping the post-mapping process will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for PREMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: MAPPING_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR

Default: ON_SUCCESS

Indicates under what condition of the pre-mapping process the mapping will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for SEQUENCE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for SET_OPERATION OPERATOR:

Name: SET_OPERATION

Type: STRING

Valid Values: UNION, UNIONALL, INTERSECT, MINUS

Default: UNION

Specifies the set operation that is to be performed by this operator.

Properties for SORTER OPERATOR:

Name: ORDER_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Order By Clause

Properties for TABLE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for TABLE_FUNCTION OPERATOR:

Name: TABLE_FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the Table Function

Properties for TRANSFORMATION OPERATOR:

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is

INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for CUBE,DIMENSION,KEY_LOOKUP,MATERIALIZED_
VIEW,TABLE,VIEW OPERATOR KEYS_READONLY CHILD:

Name: KEY_COLUMNS

Type: STRING

Valid Values: N/A

Default: N/A

Local columns that define this key (Comma separated if more than one).

Name: KEY_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the primary, foreign or unique key (primary, foreign, or unique).

Name: KEY_TYPE

Type: STRING

Valid Values: N/A

Default: UNIQUE

Type of key - primary, foreign or unique.

Name: REFERENCED_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

If the key is a foreign key, this will contain the key or keys used of the referenced object.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD:

Name: ADDRESS_ADDRESS_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for address line in Address Match Rule.

Name: ADDRESS_ALLOW_DIFFERING_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Allow differing secondary addresses to match in Address Match Rule.

Name: ADDRESS_LAST_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for last line in Address Match Rule.

Name: ADDRESS_MATCH_ON_ADDRESS_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check address line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_BLANK_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on blank secondary address in Address Match Rule.

Name: ADDRESS_MATCH_ON_LAST_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check last line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_STREET_OR_PO_BOX

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on Street or Post Office (PO) Box in Address Match Rule.

Name: CUSTOM_RULE

Type: STRING

Valid Values: N/A

Default: N/A

Custom Merge Rule

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description of match rule.

Name: FIRM_CROSS_MATCH_FIRM1_AND_FIRM2

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder cross match firm 1 and firm 2?

Name: FIRM_MATCH_ON_ABBREVIATIONS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on abbreviations?

Name: FIRM_MATCH_ON_ACRONYMS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on acronyms?

Name: FIRM_MATCH_ON_PARTIAL_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on partial names?

Name: FIRM_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder check firm similarity?

Name: FIRM_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for firm in Firm Match Rule.

Name: FIRM_STRIP_NOISE_WORDS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder strip noise words?

Name: PERSON_DETECT_SWITCHED_NAME_ORDER

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person rule, should Warehouse Builder detect the switched name order.

Name: PERSON_FN_DETECT_COMPOUND_NAME

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect compound names?

Name: PERSON_FN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on initials.

Name: PERSON_FN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name similarity?

Name: PERSON_FN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name soundex?

Name: PERSON_FN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name substrings?

Name: PERSON_FN_MRS_MATCH

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect MRS? (For example, should Mrs John Smith match Mrs Smith)

Name: PERSON_FN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If matching in first name similarity, what is the similarity score?

Name: PERSON_LN_DETECT_MISSING_HYPHEN

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect missing hyphens?

Name: PERSON_LN_MATCH_HYPHENATED_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on hyphenated last name?

Name: PERSON_LN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name similarity?

Name: PERSON_LN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name soundex?

Name: PERSON_LN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on last name similarity, what is the similarity score?

Name: PERSON_MN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name initials?

Name: PERSON_MN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name similarity?

Name: PERSON_MN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name soundex?

Name: PERSON_MN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name substrings?

Name: PERSON_MN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on middle name similarity, what is the similarity score?

Name: TOTAL_WEIGHT_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a weight rule, the sum of all weights must be equal to or greater than this score for the records to pass the weight rule.

Name: TYPE

Type: STRING

Valid Values: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS Default: MM_TRUE What type of match rule is this? Possible types are: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS

Name: USAGE

Type: STRING

Valid Values: MM_ACTIVE, MM_PASSIVE

Default: MM_ACTIVE

Is this an active or passive rule? Possible usages are: MM_ACTIVE, MM_PASSIVE.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Merge Attribute

Name: COPY_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Copy this merged attribute to merge rule target attribute.

Name: CUSTOM_TEXT

Type: STRING

Valid Values: N/A

Default: N/A

Implementation text for custom merge rule. Include "BEGIN and END statements.

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description

Name: MATCH_ID_SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for match id merge rule. This sequence will be used to generate the match id.

Name: MATCH_ID_SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for match id merge rule. This sequence will be used to generate the match id.

Name: MIN_MAX_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Selecting attribute for min/max merge rule

Name: MIN_MAX_TYPE

Type: STRING

Valid Values: MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST

Default: MM_MAX

Select record where attribute is min,max, shortest, longest. Possible values are MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST.

Name: SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for sequence merge rule.

Name: SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for sequence merge rule.

Name: TYPE

Type: STRING

Valid Values: MM_ANY, MM_MATCH_ID, MM_RANK, MM_SEQUENCE, MM_MIN_MAX, MM_COPY, MM_CUSTOM, MM_RECORD_ANY, MM_RECORD_RANK, MM_RECORD_MIN_MAX, MM_RECORD_CUSTOM Default: MM_ANY Merge Rule Type. Possible values are:MM_ANY,MM_MATCH_ID,MM_RANK,MM_SEQUENCE,MM_MIN_MAX,MM_COPY,MM_CUSTOM,MM_RECORD_ANY,MM_RECORD_RANK,MM_RECORD_MIN_MAX,MM_RECORD_CUSTOM.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD ADDRESS_
ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND Default: MM_PRIMARY_ADDR What role is this attribute? Possible values are: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD CONDITIONS
CHILD:

Name: ALGORITHM

Type: STRING

Valid Values: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM Default: MM_EXACT Algorithm of this condition. Possible values are: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM.

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

To which attribute does this condition apply?

Name: BLANK_MATCHING

Type: STRING

Valid Values: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK Default: MM_MATCH_BOTH_BLANK How do you want blanks to be handled? Possible values are: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK.

Name: SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a similarity condition, what score must the similarity equal or exceed for records to meet the condition?

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD FIRM_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_FIRM1, MM_FIRM2

Default: MM_FIRM1

What role is this attribute? Possible values are: MM_FIRM1,MM_FIRM2.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD PERSON_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role.

Name: TYPE

Type: STRING

Valid Values: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME Default: MM_PRENAME What role is this attribute? Possible values are: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD WEIGHTS CHILD:

Name: BLANK_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Score if either attribute is blank

Name: WEIGHT_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Attribute

Name: WEIGHT_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Score used for this weight if the attributes in the two match records are identical. Similarity will be used to generate this score.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD ATTRIBUTES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Record merge rule attribute

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD RANK_RULES CHILD:

Name: EXPRESSION

Type: STRING

Valid Values: N/A

Default: N/A

Rank expression.

Properties for FLAT_FILE OPERATOR INOUT GROUP:

Name: RECORD_TYPE_VALUES

Type: STRING

Valid Values: N/A

Default: N/A

Record Type Values.

Properties for JOINER OPERATOR INPUT GROUP:

Properties for PIVOT OPERATOR OUTPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the output group is the row locator.

Properties for SPLITTER OPERATOR OUTPUT GROUP:

Name: SPLIT_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Condition that defines when to perform the attribute maps for the attributes in this group.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP:

Name: INPUT_PARAMETER_TYPE

Type: STRING

Valid Values: REF_CURSOR, SCALAR

Default: REF_CURSOR

This property specifies whether the input parameter is a scalar or a ref cursor type

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter group

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP:

Name: RETURN_TABLE_OF_SCALAR

Type: BOOLEAN

Valid Values: true, false

Default: false

This property specifies whether the return of the table function is a TABLE of SCALAR or not.

Properties for UNPIVOT OPERATOR INPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the input group is the row locator.

Name: ROW_LOCATOR_VALUES

Type: STRING

Valid Values: N/A

Default: NULL, NULL

A comma-separated expressions that gives the possible values of the row locator within a unpivot group.

Properties for ADVANCED_QUEUE_OPERATOR_INOUT_GROUP_ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for CUBE_OPERATOR_INOUT_GROUP_ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for DIMENSION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, = | |, | | =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for EXTERNAL_TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for INPUT_PARAMETER OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value applies when the map is not given a value for this attribute. The value can be specified only by the calling program.

Properties for KEY_LOOKUP OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value used for this attribute if no key lookup table row exists for a given input row.

Properties for MATCHMERGE OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: MERGE_ATTR

Type: STRING

Valid Values: N/A

Default: N/A

Related merge attribute

Properties for MATERIALIZED_VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data

and the existing data on the target during the update load operation.

Properties for NAME_AND_ADDRESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: INPUT_ROLE

Type: STRING

Valid Values: NA_NONE, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_FIRSTPARTNAME, NA_LASTPARTNAME, NA_PRENAME, NA_POSTNAME, NA_PERSON, NA_PERSON2, NA_PERSON3, NA_FIRMNAME, NA_PRIMARYADDRESS, NA_SECONDARYADDRESS, NA_ADDRESS, NA_ADDRESS2, NA_NEIGHBORHOOD, NA_LASTLINE, NA_CITY, NA_STATE, NA_POSTALCODE, NA_COUNTRYNAM, NA_COUNTRYCODE, NA_LINE1, NA_LINE2, NA_LINE3, NA_LINE4, NA_LINE5, NA_LINE6, NA_LINE7, NA_LINE8, NA_LINE9, NA_LINE10 Default: NA_NONE
Assigns a name-address input role to the selected input attribute

Properties for NAME_AND_ADDRESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: ADDRESS_TYPE

Type: STRING

Valid Values: NA_ADDRTYPE_NORMAL, NA_ADDRTYPE_DUAL

Default: NA_ADDRTYPE_NORMAL

You can designate an address type as Normal or Dual. For example, a dual address occurs when a record contains both a street address and a P.O. Box; this is common with business data. A normal address contains only one type of address.

Name: INSTANCE

Type: STRING

Valid Values: NA_INSTANCE_FIRST, NA_INSTANCE_SECOND, NA_INSTANCE_THIRD, NA_INSTANCE_FOURTH, NA_INSTANCE_FIFTH, NA_INSTANCE_SIXTH
Default: NA_INSTANCE_FIRST The instance option is used when an address contains multiple names, you can specify which name in the group should be used. In addition, you can use this option to assign an address type to a miscellaneous address component.

Name: OUTPUT_COMPONENT

Type: STRING

Valid Values: NA_NONE, NA_PRENAME, NA_FIRSTNAMESTD, NA_MIDDLENAMESTD, NA_MIDDLENAME2STD, NA_MIDDLENAME3STD, NA_POSTNAME, NA_OTHERPOSTNAME, NA_NAMEDESIGNATOR, NA_RELATIONSHIP, NA_PERSON, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_GENDER, NA_PERSONCOUNT, NA_FIRMNAME, NA_FIRMCOUNT, NA_ADDRESS, NA_

PRIMARYADDRESS, NA_STREETNUMBER, NA_PREDIRECTIONAL, NA_STREETNAME, NA_STREETTYPE, NA_POSTDIRECTIONAL, NA_SECONDARYADDRESS, NA_UNITDESIGNATOR, NA_UNITNUMBER, NA_BOXNAME, NA_BOXNUMBER, NA_ROUTENAME, NA_ROUTENUMBER, NA_BUILDINGNAME, NA_COMPLEX, NA_MISCADDRESS, NA_LASTLINE, NA_NEIGHBORHOOD, NA_CITY, NA_STATE, NA_POSTALCODE, NA_POSTALCODEFORMATTED, NA_DELIVERYPOINT, NA_COUNTRYCODE, NA_COUNTRYCODE3, NA_COUNTRYNAME, NA_ISGOODGROUP, NA_ISPARSED, NA_PARSESTATUS, NA_PARSESTATUSDESC, NA_ISGOODNAME, NA_NAMEWARNING, NA_ISGOODADDRESS, NA_ISFOUND, NA_CITYMATCH, NA_STREETNAMEMATCH, NA_STREETNUMBERMATCH, NA_STREETCOMPMATCH, NA_NONAMBIGUOUSMATCH, NA_CITYWARNING, NA_STREETWARNING, NA_ISADDRESSVERIFIABLE, NA_ADDRESSCORRECTED, NA_POSTALCODECORRECTED, NA_CITYCORRECTED, NA_STREETCORRECTED, NA_STREETCOMPCORRECTED, NA_ADDRESSTYPE, NA_PARSINGCOUNTRY, NA_INSTALLATIONTYPE, NA_INSTALLATIONNAME, NA_DELIVERYOFFICECODE, NA_DELIVERYBEATCODE, NA_ADDRESS2, NA_LOCALITYCODE, NA_LOCALITYNAME, NA_COUNTYNAME, NA_ZIP5, NA_ZIP4, NA_URBANIZATIONNAME, NA_LACS, NA_CART, NA_CHECKDIGIT, NA_MSA, NA_MCD, NA_LATITUDE, NA_LONGITUDE, NA_FIPSCOUNTY, NA_FIPS, NA_CENSUSID Default: NA_NONE Assigns a Name and Address output component to the selected output attribute.

Properties for PIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the pivot group key.

Properties for PIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the pivot group key, which obtains its value from its corresponding input attribute.

Name: PIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: N/A

A comma-separated expression that gives the input attribute to be used for each output row in the pivot group.

Properties for POSTMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for POSTMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for PREMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for PREMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =| |, | |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP ATTRIBUTE:

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: TYPE_ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the field of the PLS Record or attribute of the Object Type or column of the ROWTYPE that corresponds to this attribute. This property is not applicable if the return type is TABLE or SCALAR.

Properties for TRANSFORMATION OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for TRANSFORMATION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TRANSFORMATION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default

it is the same physical name as the item.

Properties for UNPIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the unpivot group key.

Properties for UNPIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the unpivot group key, which obtains its value from its corresponding input attribute.

Name: MATCHING_ROW

Type: NUMBER

Valid Values: 1 - 1000

Default: 1

An positive integer to indicate from which row within the unpivot group this output attribute obtains its data.

Name: UNPIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: NULL

An expression that gives the input attribute to be used as the output of this attribute.

Properties for VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyValue

A single property value. It can be a number, float, boolean or single-quoted string.

operatorType

Type of a mapping operator. The following operator types are available: ADVANCED_QUEUE, AGGREGATOR, CONSTANT, CUBE, DATA_GENERATOR, DEDUPPLICATOR, DIMENSION, EXPRESSION, EXTERNAL_PROCESS, EXTERNAL_TABLE, FILTER, FLAT_FILE, INPUT_PARAMETER, JOINER, KEY_LOOKUP, MATCHMERGE, MATERIALIZED_VIEW, NAME_AND_ADDRESS, OUTPUT_PARAMETER, PIVOT, POSTMAPPING_PROCESS, PREMAPPING_PROCESS, SEQUENCE, SET_OPERATION, SORTER, SPLITTER, TABLE, TRANSFORMATION, UNPIVOT, VIEW.

operatorName

Name of a mapping operator.

setBindingClause

Set the binding during the creation of a mapping operator or mapping attribute.

groupDirection

Direction of a mapping group.

groupName

Name of a mapping group.

attributeName

Name of a mapping attribute.

childType

Type of a child that belongs to map, mapping operator, mapping group or mapping attribute.

childName

Name of a child that belongs to map, mapping operator, mapping group or mapping attribute.

childOwnerBottomUpLocator

Location of a child owner. A child owner can be a map, mapping operator, mapping group, mapping attribute or a child.

groupToGroupConnectType

Connecting from a mapping group in one mapping operator to a mapping group in another mapping operator.

attributesBottomUpLocator

Location of a list of mapping attributes.

mappableBottomUpLocator

Location of the object to be bound to a mapping mapping operator or mapping attribute.

bindableLocator

Location of the object to be bound to a mapping operator or mapping attribute.

attributeNameList

A list of attribute names.

bindableType

Type of object bound to a mapping operator or mapping attribute.

bindableName

Name of the object bound to a mapping operator or mapping attribute.

Examples

```
OMBALTER MAPPING 'MAP1' RENAME TO 'MAP2'
```

```
OMBALTER MAPPING 'MAP1'
```

```
ADD CONNECTION FROM GROUP 'INOUTGRP1' OF OPERATOR 'CUST_SRC'  
TO GROUP 'INOUTGRP1' OF OPERATOR 'CUST_LOOK_UP'
```

```
OMBALTER MAPPING 'MAP1' DELETE OPERATOR 'OP1'
```

See Also

OMBALTER, OMBCREATE MAPPING, OMBRETRIEVE MAPPING, OMBDROP
MAPPING

OMBALTER MATERIALIZED_VIEW

Purpose

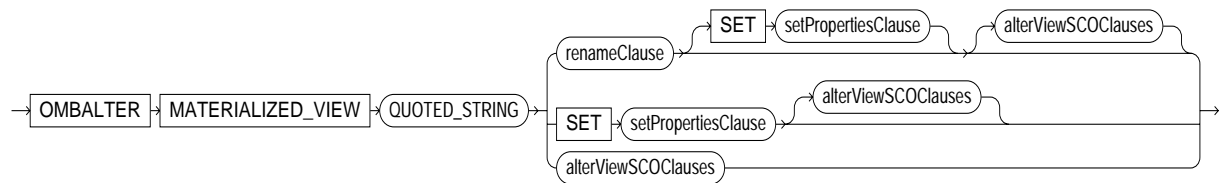
OMBALTER MATERIALIZED_VIEW - To alter properties and definition of a materialized view.

Prerequisites

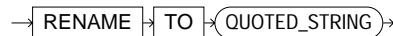
In the context of an Oracle Module.

Syntax Diagrams

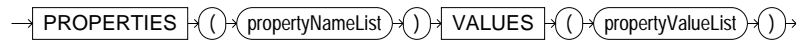
alterMaterializedViewCommand



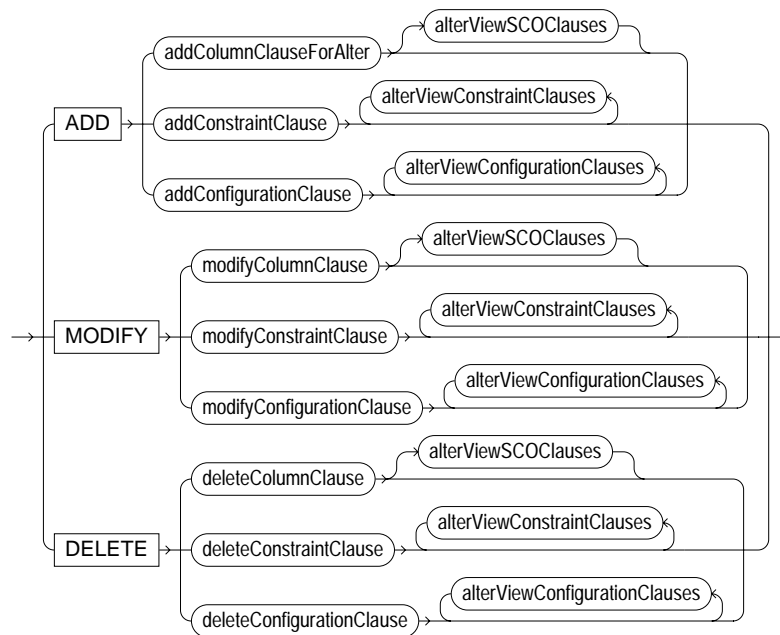
renameClause



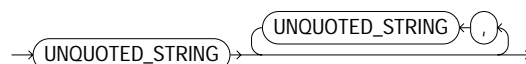
setPropertiesClause



alterViewSCOClauses



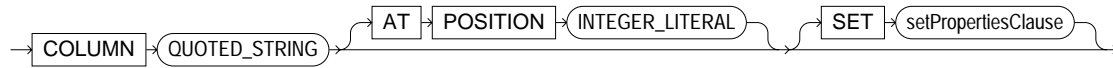
propertyNameList



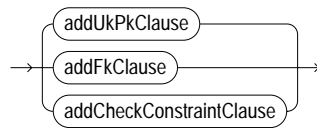
propertyValueList



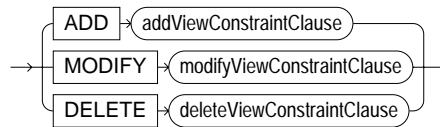
addColumnClauseForAlter



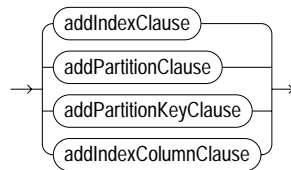
addConstraintClause



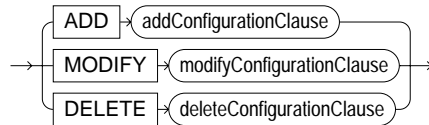
alterViewConstraintClauses



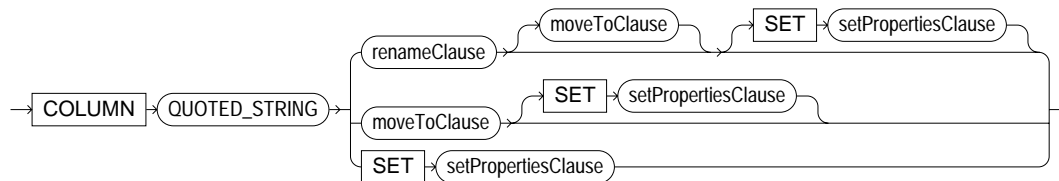
addConfigurationClause



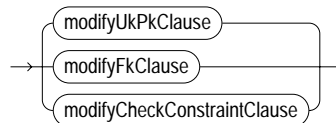
alterViewConfigurationClauses



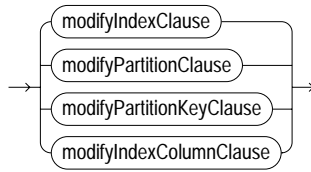
modifyColumnClause



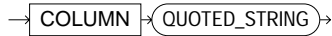
modifyConstraintClause



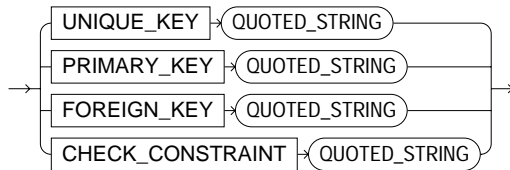
modifyConfigurationClause



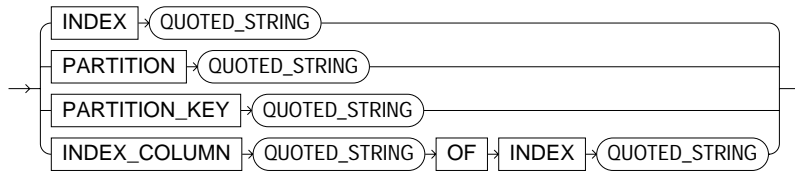
deleteColumnClause



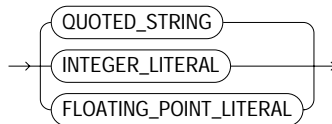
deleteConstraintClause



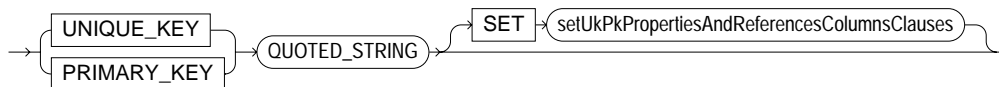
deleteConfigurationClause



propertyValue



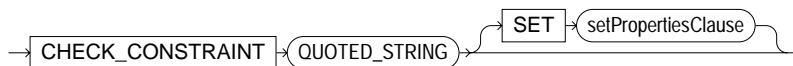
addUkPkClause



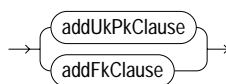
addFkClause



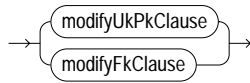
addCheckConstraintClause



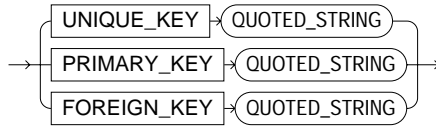
addViewConstraintClause



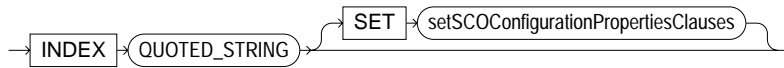
modifyViewConstraintClause



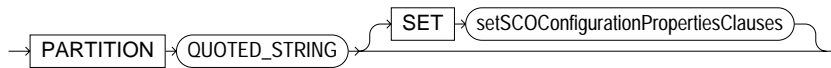
deleteViewConstraintClause



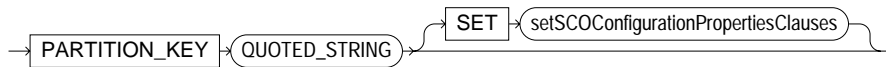
addIndexClause



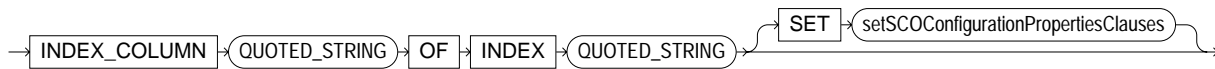
addPartitionClause



addPartitionKeyClause



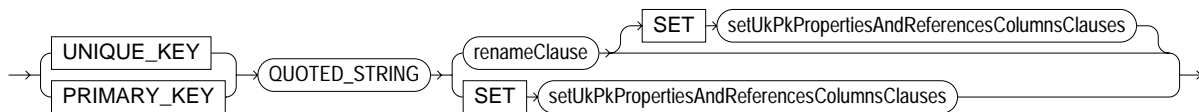
addIndexColumnClause



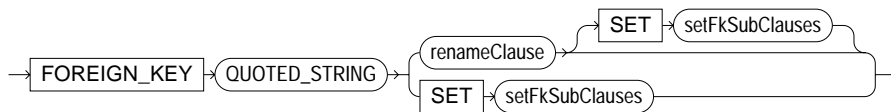
moveToClause



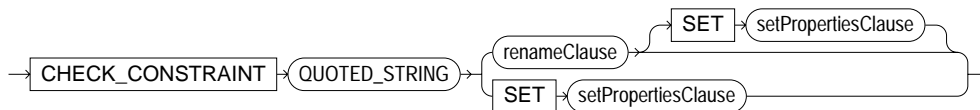
modifyUkPkClause



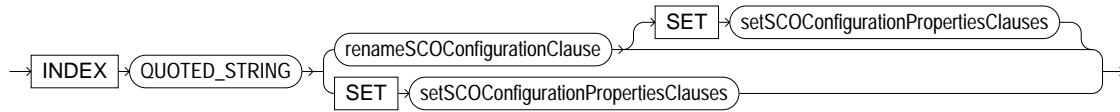
modifyFkClause



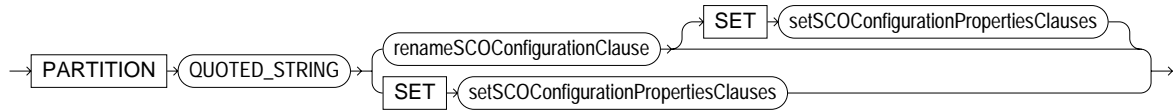
modifyCheckConstraintClause



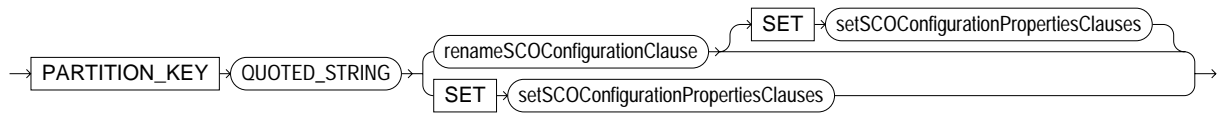
modifyIndexClause



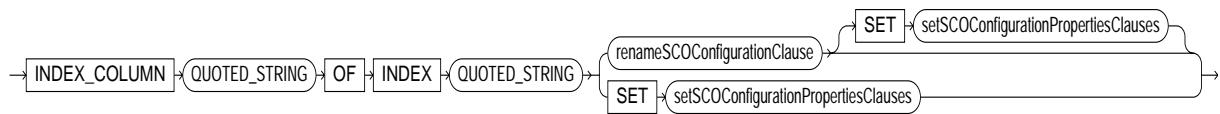
modifyPartitionClause



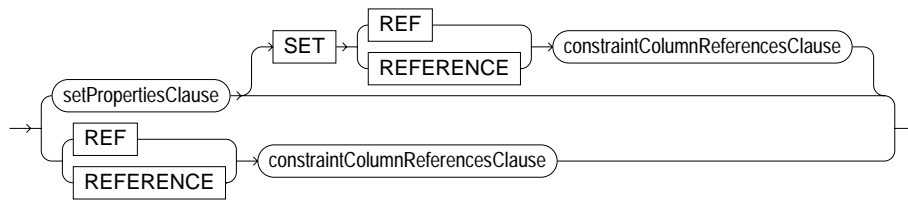
modifyPartitionKeyClause



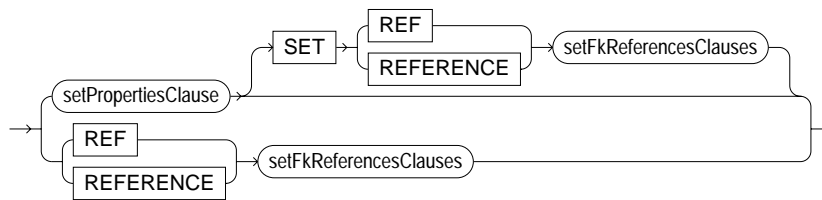
modifyIndexColumnClause



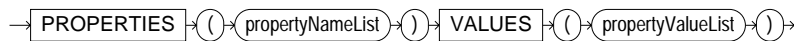
setUkPkPropertiesAndReferencesColumnsClauses



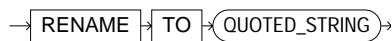
setFkSubClauses



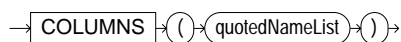
setSCOConfigurationPropertiesClauses



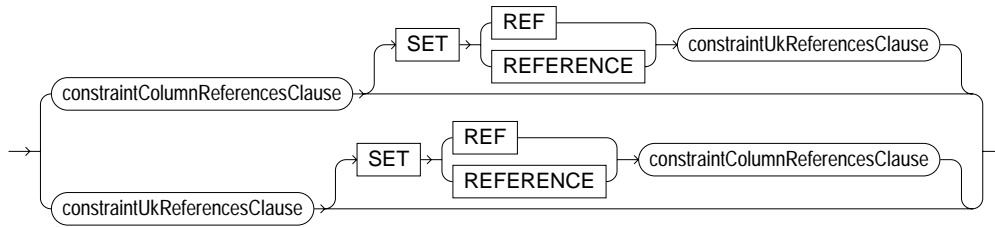
renameSCOConfigurationClause



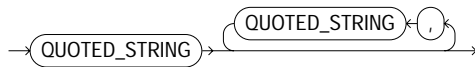
constraintColumnReferencesClause



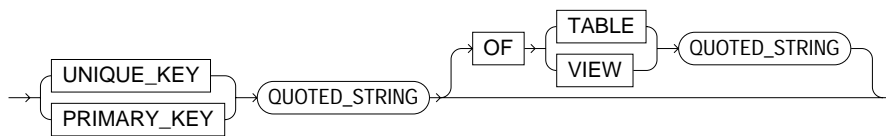
setFkReferencesClauses



quotedNameList



constraintUkReferencesClause



Syntax

```
alterMaterializedViewCommand = OMBALTER ( MATERIALIZED_VIEW
  "QUOTED_STRING" ( "renameClause" [ SET "setPropertiesClause" ] [
    "alterViewSCOClauses" ] | SET "setPropertiesClause" [ "alterViewSCOClauses" ] |
    "alterViewSCOClauses" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES ( ( "propertyNameList" ) "VALUES" ( "propertyValueList" ) );
```

```
alterViewSCOClauses = ADD ( "addColumnClauseForAlter" [
  "alterViewSCOClauses" ] | "addConstraintClause" { "alterViewConstraintClauses" }
  | "addConfigurationClause" { "alterViewConfigurationClauses" } ) | MODIFY (
  "modifyColumnClause" [ "alterViewSCOClauses" ] | "modifyConstraintClause" {
    "alterViewConstraintClauses" } | "modifyConfigurationClause" {
    "alterViewConfigurationClauses" } ) | DELETE ( "deleteColumnClause" [
    "alterViewSCOClauses" ] | "deleteConstraintClause" { "alterViewConstraintClauses" }
  | "deleteConfigurationClause" { "alterViewConfigurationClauses" } );
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
addColumnClauseForAlter = COLUMN "QUOTED_STRING" [ AT POSITION
  "INTEGER_LITERAL" ] [ SET "setPropertiesClause" ];
```

```
addConstraintClause = "addUkPkClause" | "addFkClause" |
  "addCheckConstraintClause";
```

```
alterViewConstraintClauses = ADD "addViewConstraintClause" | MODIFY
  "modifyViewConstraintClause" | DELETE "deleteViewConstraintClause";
```

```
addConfigurationClause = "addIndexClause" | "addPartitionClause" |
  "addPartitionKeyClause" | "addIndexColumnClause";
```

```
alterViewConfigurationClauses = ADD "addConfigurationClause" | MODIFY
  "modifyConfigurationClause" | DELETE "deleteConfigurationClause";
```

```

modifyColumnClause = COLUMN "QUOTED_STRING" ( "renameClause" [
"moveToClause" ] [ SET "setPropertiesClause" ] | "moveToClause" [ SET
"setPropertiesClause" ] | SET "setPropertiesClause" );

modifyConstraintClause = "modifyUkPkClause" | "modifyFkClause" |
"modifyCheckConstraintClause";

modifyConfigurationClause = "modifyIndexClause" | "modifyPartitionClause" |
"modifyPartitionKeyClause" | "modifyIndexColumnClause";

deleteColumnClause = COLUMN "QUOTED_STRING";

deleteConstraintClause = UNIQUE_KEY "QUOTED_STRING" | PRIMARY_KEY
"QUOTED_STRING" | FOREIGN_KEY "QUOTED_STRING" | CHECK_
CONSTRAINT "QUOTED_STRING";

deleteConfigurationClause = INDEX "QUOTED_STRING" | PARTITION
"QUOTED_STRING" | PARTITION_KEY "QUOTED_STRING" | INDEX_COLUMN
"QUOTED_STRING" OF INDEX "QUOTED_STRING";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" [ SET
"setUkPkPropertiesAndReferencesColumnsClauses" ];

addFkClause = FOREIGN_KEY "QUOTED_STRING" [ SET "setFkSubClauses" ];

addCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" [ SET
"setPropertiesClause" ];

addViewConstraintClause = "addUkPkClause" | "addFkClause";

modifyViewConstraintClause = "modifyUkPkClause" | "modifyFkClause";

deleteViewConstraintClause = UNIQUE_KEY "QUOTED_STRING" | PRIMARY_
KEY "QUOTED_STRING" | FOREIGN_KEY "QUOTED_STRING";

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

moveToClause = MOVE TO POSITION "INTEGER_LITERAL";

modifyUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" (
"renameClause" [ SET "setUkPkPropertiesAndReferencesColumnsClauses" ] | SET
"setUkPkPropertiesAndReferencesColumnsClauses" );

modifyFkClause = FOREIGN_KEY "QUOTED_STRING" ( "renameClause" [ SET
"setFkSubClauses" ] | SET "setFkSubClauses" );

modifyCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" (
"renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" );

modifyIndexClause = INDEX "QUOTED_STRING" (
"renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |
SET "setSCOConfigurationPropertiesClauses" );

```

```
modifyPartitionClause = PARTITION "QUOTED_STRING" (  
  "renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |  
  SET "setSCOConfigurationPropertiesClauses" );  
  
modifyPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" (  
  "renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |  
  SET "setSCOConfigurationPropertiesClauses" );  
  
modifyIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX  
  "QUOTED_STRING" ( "renameSCOConfigurationClause" [ SET  
    "setSCOConfigurationPropertiesClauses" ] | SET  
    "setSCOConfigurationPropertiesClauses" );  
  
setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (  
  REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )  
  "constraintColumnReferencesClause";  
  
setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )  
  "setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";  
  
setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" " )"  
  VALUES "( " "propertyValueList" " )";  
  
renameSCOConfigurationClause = RENAME TO "QUOTED_STRING";  
  
constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" " )";  
  
setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |  
  REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [  
  SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];  
  
quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };  
  
constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_  
  STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];
```

Keywords and Parameters

`alterMaterializedViewCommand`

This clause alters a materialized view.

`QUOTED_STRING`

name of the materialized view.

`renameClause`

renames a table with a different name.

`setPropertiesClause`

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints.

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for MATERIALIZED_VIEW:

Name: BASE_TABLES

Type: STRING

Valid Values: N/A

Default: "

Comma separated list of base tables.

Name: BUILD

Type: STRING

Valid Values: DEFERRED, IMMEDIATE

Default: IMMEDIATE

Immediate : populates the view when it is created. Deferred : delays population until the next refresh operation.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

Hash SubPartition Number

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: QUERY_REWRITE

Type: STRING

Valid Values: DISABLE, ENABLE

Default: ENABLE

Enable marks the View eligible for query rewrite and disable marks the View ineligible for query rewrite

Name: REFRESH

Type: STRING

Valid Values: COMPLETE, FAST, ON_COMMIT, ON_DEMAND, FORCE

Default: COMPLETE

Complete : specifies the complete refresh method implemented by executing the query of the view. Fast : specifies the incremental refresh method which refreshes the view according to changes that have occurred to the master tables. Force : specifies that when a refresh occurs, Oracle performs a fast refresh if possible or a complete refresh otherwise.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

alterViewSCOClauses

This clause alters the view clause.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addColumnClauseForAlter

This clause adds a column at a particular position

QUOTED_STRING

The column name.

addConstraintClause

Adds primary and unique key, and add check constraints.

alterViewConstraintClauses

This clause alters the view's constraint clause.

addConfigurationClause

This clause will add configuration objects.

alterViewConfigurationClauses

This clause alters the view's configuration clause.

modifyColumnClause

This clause renames, set properties, and move columns.

modifyConstraintClause

This clause modifies keys and check constraints

modifyConfigurationClause

This clause will modify configuration objects.

deleteColumnClause

This clause deletes a column.

deleteConstraintClause

This clause deletes a key or check constraint.

deleteConfigurationClause

This clause deletes a configuration object.

QUOTED_STRING

Either index, partition, partition_key, or index column name.

propertyValue

This clause adds the property values.

addUkPkClause

This clause adds the adds unique key and primary keys.

QUOTED_STRING

name of the unique key or primary key.

addFkClause

This clause adds foreign key

QUOTED_STRING

Name of the foreign key.

`addCheckConstraintClause`

add a check constraint.

`QUOTED_STRING`

Name of the CheckConstraint.

`addViewConstraintClause`

This clause adds the view's configuration clause.

`modifyViewConstraintClause`

= This clause modifies the view's constraint clause.

`deleteViewConstraintClause`

This clause deletes the view's constraint.

`addIndexClause`

This clause adds an index.

`QUOTED_STRING`

Name of the index.

`addPartitionClause`

This clause adds a partition.

`QUOTED_STRING`

Name of the partition.

`addPartitionKeyClause`

This clause adds a partition key.

`QUOTED_STRING`

Name of the partition key. This should be a column identifier.

`addIndexColumnClause`

This clause will add `indexColumn` to a specified index.

QUOTED_STRING

Index name

moveToClause

This clause will move the column to given position.

modifyUkPkClause

It modifies unique or primary key.

modifyFkClause

This clause modifies the foreign key.

modifyCheckConstraintClause

This clause modifies the check constraint.

modifyIndexClause

This clause modifies the Index

QUOTED_STRING

Name of the index.

modifyPartitionClause

This clause modifies a partition

QUOTED_STRING

Name of the partition.

modifyPartitionKeyClause

This clause modifies a partition key.

QUOTED_STRING

Name of the partition key.

modifyIndexColumnClause

Modifies the Index Column. The first quoted_string in this clause denotes index column name, and the latter denotes index.

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE
RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

renameSCOConfigurationClause

This clause renames configuration objects.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primay key name, and the latter denotes the table's or view's name.

Examples

OMBALTER MATERIALIZED_VIEW 'NEW_MATERIALIZED_VIEW' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is an altered desc of new materialized view', 'Altered New MaterializedView') This will alter a materialized view named "NEW_MATERIALIZED_VIEW", its description is "this is an altered desc of new materialized view", and business name is "Altered New MaterializedView".

See Also

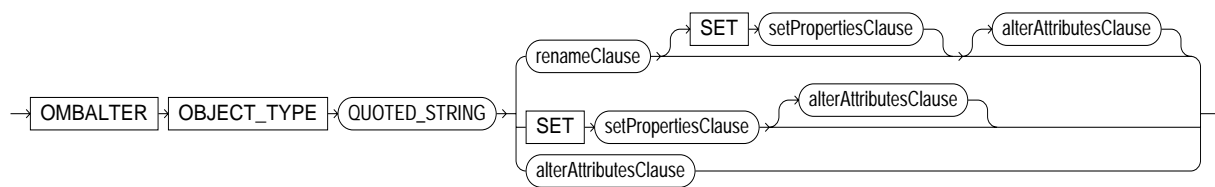
OMBALTER, OMBCREATE MATERIALIZED_VIEW, OMBDROP MATERIALIZED_VIEW

OMBALTER OBJECT_TYPE - Alter the Object Type by resetting its properties or adding/removing its attributes.

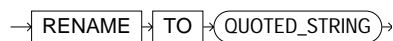
Should be in the context of an Oracle Module.

Syntax Diagrams

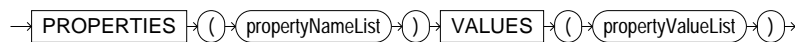
alterObjectTypeCommand



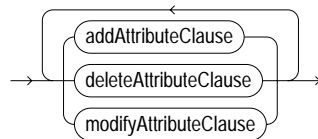
renameClause



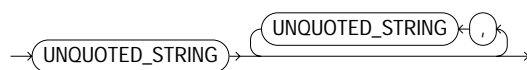
setPropertiesClause



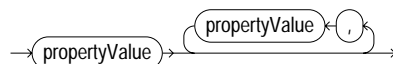
alterAttributesClause



propertyNameList



propertyValueList



addAttributeClause



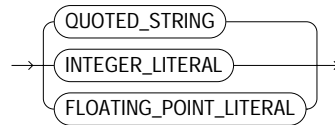
deleteAttributeClause



modifyAttributeClause



propertyValue



Syntax

```

alterObjectTypeCommand = OMBALTER ( OBJECT_TYPE "QUOTED_STRING" (
  "renameClause" [ SET "setPropertiesClause" ] [ "alterAttributesClause" ] | SET
  "setPropertiesClause" [ "alterAttributesClause" ] | "alterAttributesClause" );
renameClause = RENAME TO "QUOTED_STRING";
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
  "propertyValueList" ")";
alterAttributesClause = ( "addAttributeClause" | "deleteAttributeClause" |
  "modifyAttributeClause" );
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };
propertyValueList = "propertyValue" { "," "propertyValue" };
addAttributeClause = ADD OBJECT_TYPE_ATTRIBUTE "QUOTED_STRING" [ SET
  "setPropertiesClause" ];
deleteAttributeClause = DELETE OBJECT_TYPE_ATTRIBUTE "QUOTED_STRING";
modifyAttributeClause = MODIFY OBJECT_TYPE_ATTRIBUTE "QUOTED_
  STRING" ( "renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause"
  );
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
  POINT_LITERAL" );
  
```

Keywords and Parameters

alterObjectTypeCommand

Alters an Object Type of the given name by either renaming it, or by setting its properties or by modifying one or more of its Attributes or a combination of these.

renameClause

renames a table with a different name.

setPropertiesClause

Sets properties (core, logical, physical, user-defined) for Object Type or its Attributes.

Basic properties for OBJECT_TYPE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Object Type

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Object Type

Basic properties for OBJECT_TYPE_ATTRIBUTE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Attribute

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Attribute

Name: DATATYPE

Type: STRING(20)

Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, FLOAT

Default: "

Datatype of the Attribute

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

alterAttributesClause

Adds, deletes or modifies one or more Attributes of this Object Type.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addAttributeClause

Adds an Attribute with the given name and properties.

deleteAttributeClause

Deletes an Attribute with the given name.

modifyAttributeClause

Modifies an Attribute with the given name by either renaming it or changing its properties or both.

propertyValue

This clause adds the property values.

Examples

```
OMBALTER OBJECT_TYPE 'SOME_OBJECT_TYPE' SET PROPERTIES  
(DESCRIPTION) VALUES
```

('This is will be used as Payload type for an AQ.') DELETE OBJECT_TYPE_ATTRIBUTE 'ATTR' ADD OBJECT_TYPE_ATTRIBUTE 'ATTR1' SET PROPERTIES (DATATYPE) VALUES ('NUMBER') This will set its description to "This is will be used as Payload type for an AQ.", remove attribute 'ATTR' and add an attribute "ATTR1" of Number type.

See Also

ALTER, OMBRETRIEVE OBJECT_TYPE, OMBCREATE OBJECT_TYPE, OMBDROP OBJECT_TYPE

OMBALTER ORACLE_MODULE

Purpose

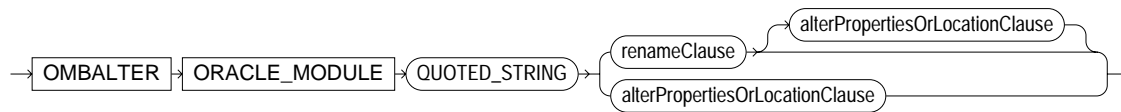
OMBALTER ORACLE_MODULE - Alter the Oracle module by renaming it, and/or reset its properties.

Prerequisites

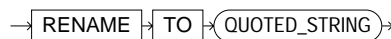
Should be in the context of project.

Syntax Diagrams

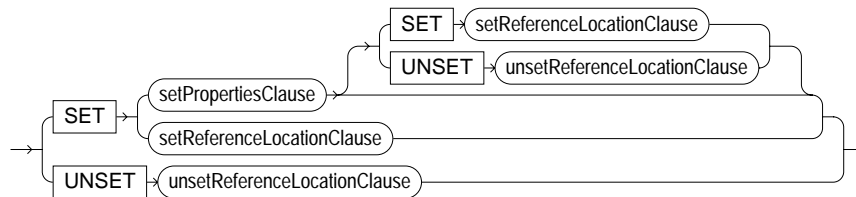
alterOracleModuleCommand



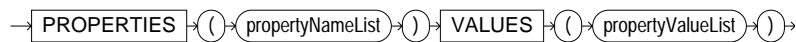
renameClause



alterPropertiesOrLocationClause



setPropertiesClause



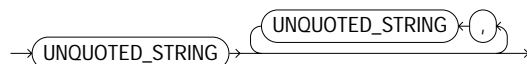
setReferenceLocationClause



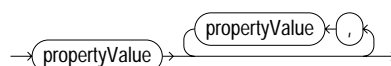
unsetReferenceLocationClause



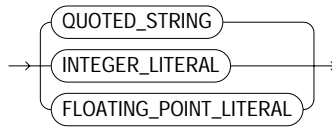
propertyNameList



propertyValueList



propertyValue



Syntax

```

alterOracleModuleCommand = OMBALTER ( ORACLE_MODULE "QUOTED_
STRING" ( "renameClause" [ "alterPropertiesOrLocationClause" ] |
"alterPropertiesOrLocationClause" ) );

renameClause = RENAME TO "QUOTED_STRING";

alterPropertiesOrLocationClause = SET ( "setPropertiesClause" [ SET
"setReferenceLocationClause" | UNSET "unsetReferenceLocationClause" ] |
"setReferenceLocationClause" ) | UNSET "unsetReferenceLocationClause";

setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "(
" "propertyValueList" ")";

setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";

unsetReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";

propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " ," "propertyValue" };

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

```

Keywords and Parameters

alterOracleModuleCommand

This command modifies an existing Oracle module.

QUOTED_STRING

Name of the existing Oracle module in single quotes.

renameClause

Rename an Oracle module.

alterPropertiesOrLocationClause

Alter existing Oracle module's properties and/or location.

setPropertiesClause

Associate a set of properties with the existing Oracle module.

Basic properties for ORACLE_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of an Oracle Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of an Oracle Module

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of an Oracle Module

Properties for ORACLE_MODULE:

Name: ABAP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\

Location where ABAP scripts are stored

Name: ABAP_EXTENSION

Type: STRING

Valid Values: N/A

Default: .abap

File name extension for ABAP scripts

Name: ABAP_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Run Parameter File Suffix for the parameter script in a ABAP job.

Name: ABAP_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\log\

Location where ABAP scripts are buffered during script generation processing.

Name: APPLICATION_SHORT_NAME

Type: STRING

Valid Values: N/A

Default: WB

Application Short Name

Name: ARCHIVE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: archive\

Archive Directory

Name: CONNECT_STRING

Type: STRING

Valid Values: N/A

Default: "

A Net*8 style connection string to the remote database. Alternatively, you can specify machine, port, service name of the remote database.

Name: DDL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\

Location where scripts for database objects for the target schema are stored.

Name: DDL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .ddl

File name extension for DDL scripts.

Name: DDL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\log\

Location where DDL scripts are buffered during script generation processing.

Name: DEFAULT_INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install indexes into.

Name: DEFAULT_OBJECT_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install objects into.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: END_OF_LINE

Type: STRING

Valid Values: N/A

Default: \r\n

End of Line

Name: INPUT_DIRECTORY

Type: STRING

Valid Values: N/A

Default: input\

Input Directory

Name: INVALID_DIRECTORY

Type: STRING

Valid Values: N/A

Default: invalid\

Directory for SQL*Loader errors and rejected records

Name: LIB_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\

LIB Directory

Name: LIB_EXTENSION

Type: STRING

Valid Values: N/A

Default: .lib

LIB Extension

Name: LIB_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\log\

LIB Spool Directory

Name: LOADER_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ctl\

Location where control files are stored.

Name: LOADER_EXTENSION

Type: STRING

Valid Values: N/A

Default: .ctl

Suffix for the loader scripts

Name: LOADER_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Suffix for the parameter initialization file.

Name: LOG_DIRECTORY

Type: STRING

Valid Values: N/A

Default: log\

Log Directory for the SQL*Loader

Name: MAIN_APPLICATION_SHORT_NAME

Type: STRING

Valid Values: N/A

Default: ora

Main Application Short Name

Name: PLSQL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: pls\

Location where PL/SQL scripts are stored.

Name: PLSQL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .pls

File name extension for PL/SQL scripts.

Name: PLSQL_GENERATION_MODE

Type: STRING

Valid Values: Oracle9i, Oracle8i

Default: Oracle9i

Generation mode controls validation and generation for version specific features.

Name: PLSQL_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Suffix for the parameter script in a PL/SQL job.

Name: PLSQL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: pls\log\

Location where PL/SQL scripts are buffered during script generation processing.

Name: PORT

Type: STRING

Valid Values: N/A

Default: "

The port number on the machine where the database listens to.

Name: RECEIVE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: receive\

Receive Directory

Name: REMOTE_HOST_NAME

Type: STRING

Valid Values: N/A

Default: "

The machine where the remote database resides on.

Name: SCHEMA_OWNER

Type: STRING

Valid Values: N/A

Default: OWB

Schema Owner

Name: SERVICE_NAME

Type: STRING

Valid Values: N/A

Default: "

The service name (global DB name) of the database instance on the remote machine.

Name: SORT_DIRECTORY

Type: STRING

Valid Values: N/A

Default: sort\

Sort Directory

Name: TCL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: tcl\

Location for TCL scripts that are generated after registration with Oracle Enterprise Manager

Name: TOP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ..\..\codegen\

Top Directory where generated code will get stored

Name: WORK_DIRECTORY

Type: STRING

Valid Values: N/A

Default: work\

Work Directory

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

setReferenceLocationClause

Set a location to the existing Oracle module.

`unsetReferenceLocationClause`

Unset a location to the existing Oracle module.

`propertyNameList`

Comma separated list of property names. Property names are unquoted.

`propertyValueList`

Comma separated list of property values.

`propertyValue`

Value of a property.

Examples

```
OMBALTER ORACLE_MODULE 'src_module' RENAME TO 'tgt_module' SET
PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a target
module.', 'target module') This will rename the Oracle module "src_module" to "tgt_
module", and set its description to "This becomes a target module.", set its business
name to "target module".
```

See Also

OMBALTER, OMBCREATE ORACLE_MODULE, OMBDROP ORACLE_MODULE

OMBALTER PACKAGE

Purpose

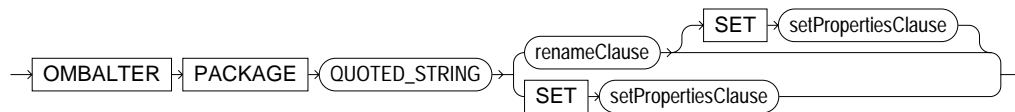
OMBALTER PACKAGE - Alter the Package by renaming it, and/or reset its properties, and/or adding/deleting/modifying the user types.

Prerequisites

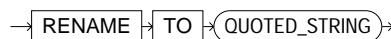
Should be in the context of a Oracle Module or Transformation Module.

Syntax Diagrams

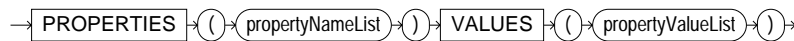
alterPackageCommand



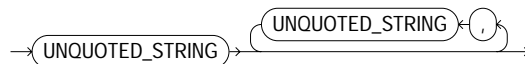
renameClause



setPropertiesClause



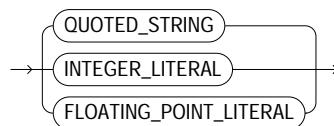
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterPackageCommand = OMBALTER ( PACKAGE "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
    "propertyValueList" )";
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
    POINT_LITERAL" );
```

Keywords and Parameters

`alterPackageCommand`

This command modifies an existing Package.

`QUOTED_STRING`

Name of the existing Package in single quotes.

`renameClause`

Rename a Package.

`setPropertyClause`

Used to set properties (core, user-defined) for packages. Valid properties are shown below:

Name: `BUSINESS_NAME`

Type: `STRING(200)`

Valid Values: N/A

Default: ""

Business name of the package

Name: `DESCRIPTION`

Type: `STRING(4000)`

Valid Values: N/A

Default: ""

Description of the package

Name: `PACKAGE_BODY`

Type: `STRING`

Valid Values: N/A

Default: ""

Sets the Package Body for a Imported Package

Properties for `PACKAGE`:

Name: `AUTHID`

Type: `STRING`

Valid Values: None, `Current_User`, `Definer`

Default: None

Generate the package with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBALTER PACKAGE 'pkg' RENAME TO 'package_1' SET PROPERTIES  
(DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a package_1', 'package_  
1') This will rename the Package "pkg" to "package_1", and set its description to "This  
becomes a package_1", set its business name to "package_1"
```

See Also

OMBALTER, OMBCREATE PACKAGE, OMBDROP PACKAGE

OMBALTER PROCEDURE

Purpose

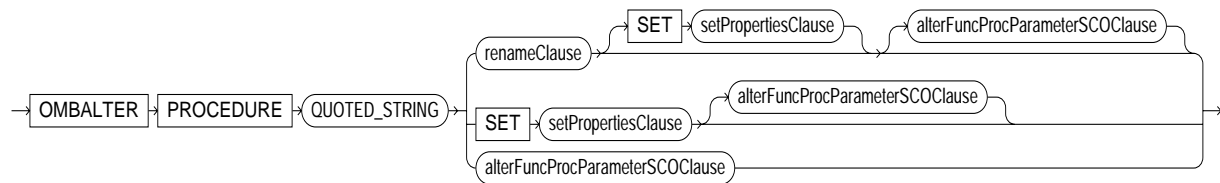
OMBALTER PROCEDURE - Alter the Procedure by renaming it, and/or reset its properties.

Prerequisites

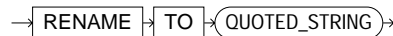
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

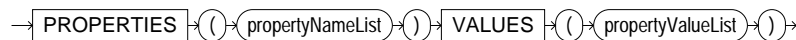
alterProcedureCommand



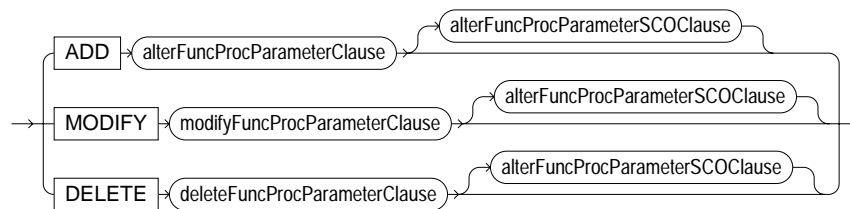
renameClause



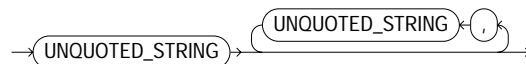
setPropertiesClause



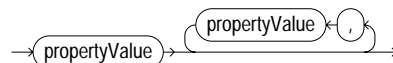
alterFuncProcParameterSCOClause



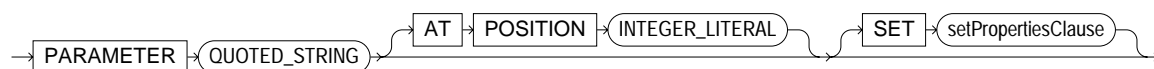
propertyNameList



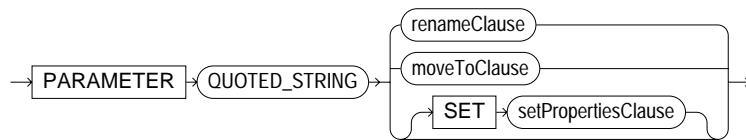
propertyValueList



alterFuncProcParameterClause



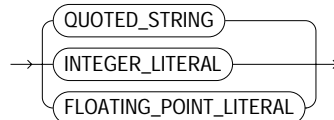
modifyFuncProcParameterClause



deleteFuncProcParameterClause



propertyValue



moveToClause



Syntax

```
alterProcedureCommand = OMBALTER ( PROCEDURE "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] [ "alterFuncProcParameterSCOClause"
    ] | SET "setPropertiesClause" [ "alterFuncProcParameterSCOClause" ] |
    "alterFuncProcParameterSCOClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES (" "propertyNameList" ") VALUES ("
    "propertyValueList" " " );
```

```
alterFuncProcParameterSCOClause = ( ADD "alterFuncProcParameterClause" [
    "alterFuncProcParameterSCOClause" ] | MODIFY
    "modifyFuncProcParameterClause" [ "alterFuncProcParameterSCOClause" ] |
    DELETE "deleteFuncProcParameterClause" [ "alterFuncProcParameterSCOClause" ]
    );
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
alterFuncProcParameterClause = PARAMETER "QUOTED_STRING" [ AT POSITION
    "INTEGER_LITERAL" ] [ SET "setPropertiesClause" ];
```

```
modifyFuncProcParameterClause = ( PARAMETER "QUOTED_STRING" (
    "renameClause" | "moveToClause" | [ SET "setPropertiesClause" ] ) );
```

```
deleteFuncProcParameterClause = ( PARAMETER "QUOTED_STRING" );
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
    POINT_LITERAL" );
```

```
moveToClause = MOVE TO POSITION "INTEGER_LITERAL";
```

Keywords and Parameters

alterProcedureCommand

This command modifies an existing Procedure.

QUOTED_STRING

Name of the existing Procedure in single quotes.

renameClause

Rename a Procedure.

setPropertyClause

Used to set properties (core, user-defined) for procedure. Valid properties are shown below:

Basic properties for PROCEDURE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Procedure

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Procedure

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Procedure which is included global variable declaration and code between BEGIN and END.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE
Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for PROCEDURE:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

alterFuncProcParameterSCOClause

Second class object clause to modify, delete or add a Parameter for Function/Procedure.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

alterFuncProcParameterClause

This clause alters Parameter of a Procedure.

modifyFuncProcParameterClause

Modify one or more Parameters to this Function/Procedure.

deleteFuncProcParameterClause

Delete one or more Parameters to this Function/Procedure.

propertyValue

Value of a property.

moveToClause

Move a Parameters of this Function/Procedure.

Examples

OMBALTER PROCEDURE 'proc' RENAME TO 'proc_1' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a proc_1', 'proc') This will rename the Procedure "proc" to "proc_1", and set its description to "This becomes a proc_1", set its business name to "proc". If Packaged Function is overloaded, first find the Signature by using OMBLIST command, and then use OMBALTER command using appropriate signature. Example, if OMBLIST PROCEDURES gives following two signatures, PROC_1 (NUMBER) PROC_1 (VARCHAR2, NUMBER) The OMBALTER Syntax to modify the first one will be as follows OMBALTER PROCEDURE 'PROC_1 \ (NUMBER\)' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('descri_PROC_1', 'PROC_1')

See Also

OMBALTER, OMBCREATE PROCEDURE, OMBDROP PROCEDURE

OMBALTER PROCESS_FLOW

Purpose

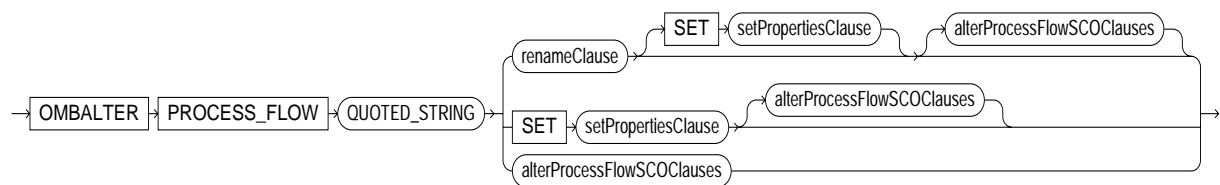
OMBALTER PROCESS_FLOW - Alter the Process Flow by renaming it, and/or reset its properties.

Prerequisites

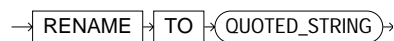
Should be in the context of a Process Flow Package.

Syntax Diagrams

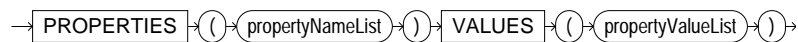
alterProcessFlowCommand



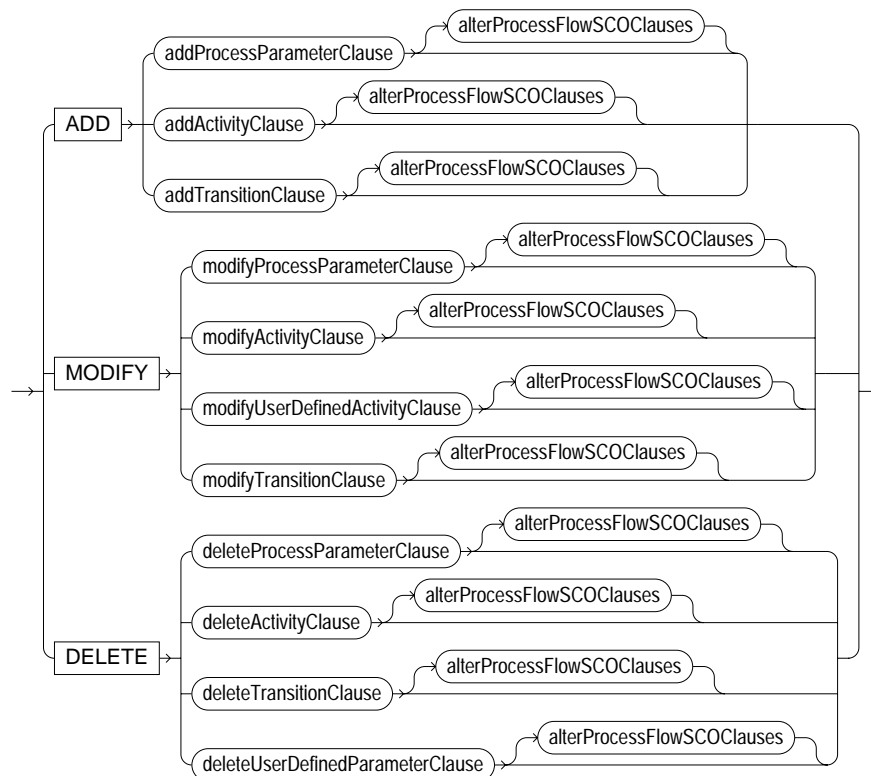
renameClause



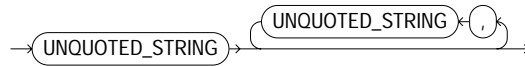
setPropertiesClause



alterProcessFlowSCOClauses



propertyNameList



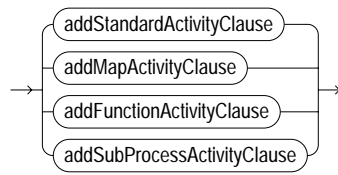
propertyValueList



addProcessParameterClause



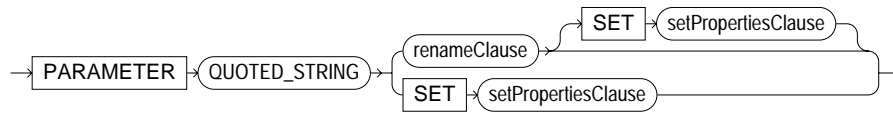
addActivityClause



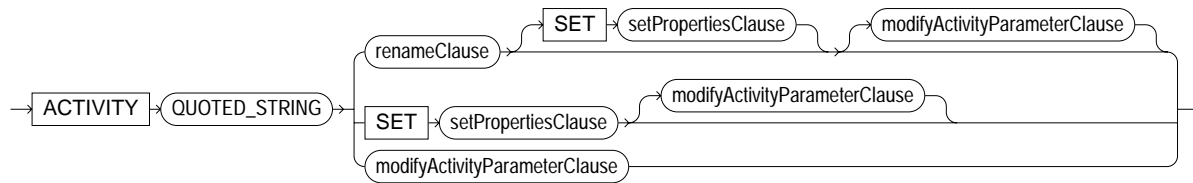
addTransitionClause



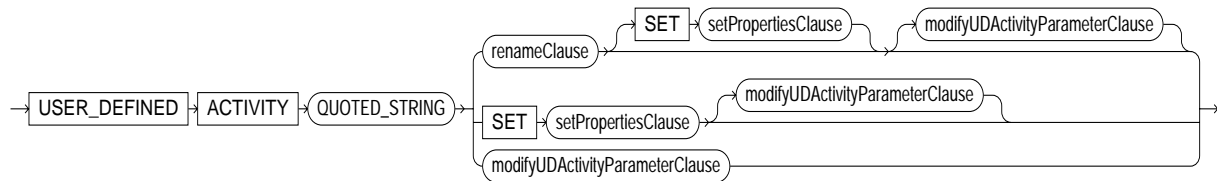
modifyProcessParameterClause



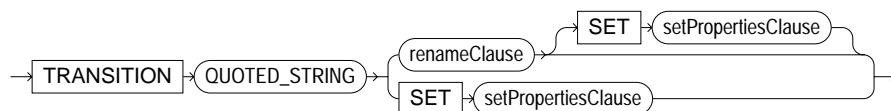
modifyActivityClause



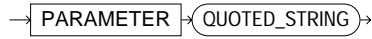
modifyUserDefinedActivityClause



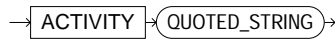
modifyTransitionClause



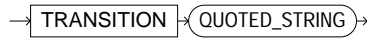
deleteProcessParameterClause



deleteActivityClause



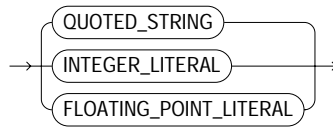
deleteTransitionClause



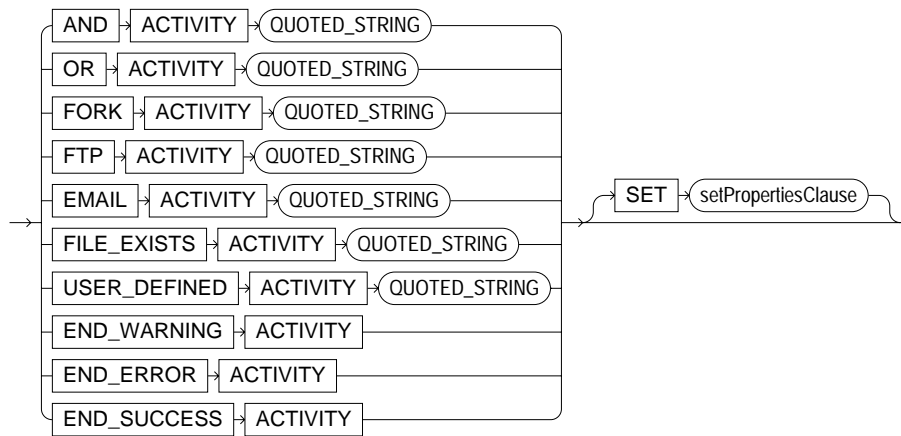
deleteUserDefinedParameterClause



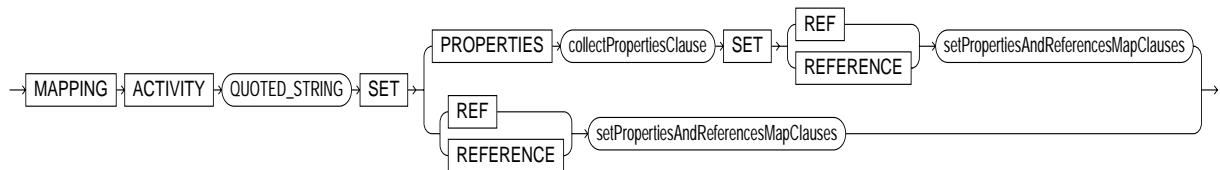
propertyValue



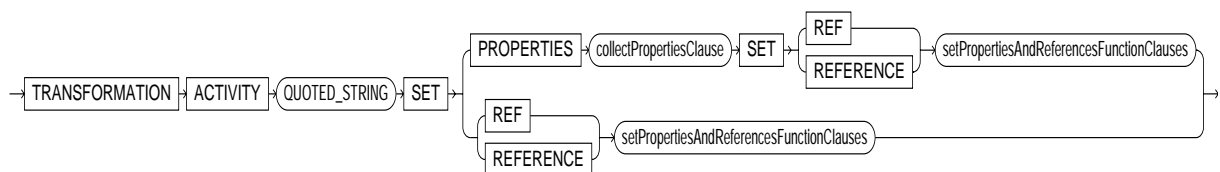
addStandardActivityClause



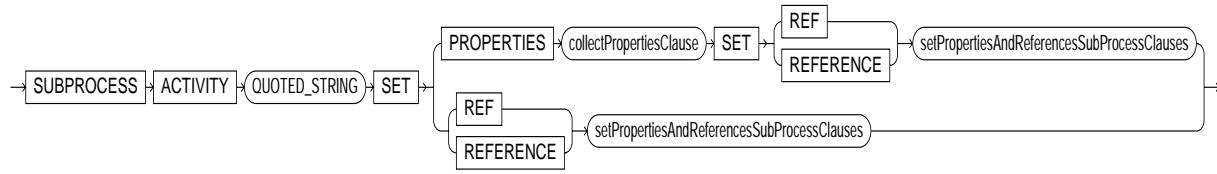
addMapActivityClause



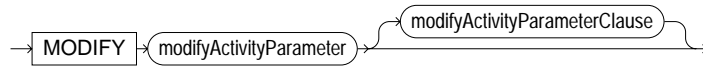
addFunctionActivityClause



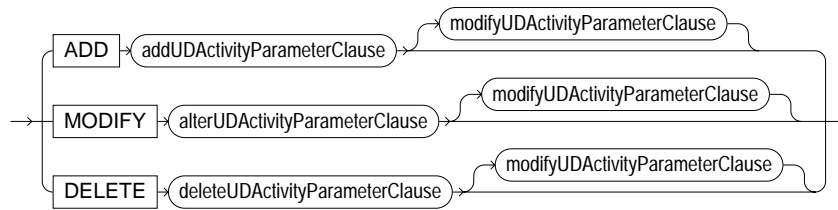
addSubProcessActivityClause



modifyActivityParameterClause



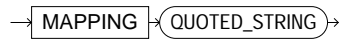
modifyUDActivityParameterClause



collectPropertiesClause



setPropertiesAndReferencesMapClauses



setPropertiesAndReferencesFunctionClauses



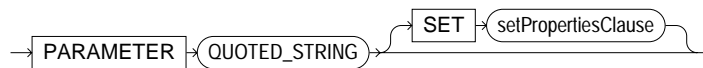
setPropertiesAndReferencesSubProcessClauses



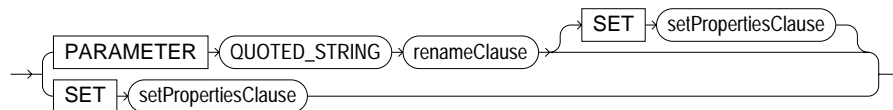
modifyActivityParameter



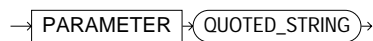
addUDActivityParameterClause



alterUDActivityParameterClause



deleteUDActivityParameterClause



Syntax

```

alterProcessFlowCommand = OMBALTER PROCESS_FLOW "QUOTED_STRING" (
  "renameClause" [ SET "setPropertyClause" ] | "alterProcessFlowSCOClauses" ] |
  SET "setPropertyClause" [ "alterProcessFlowSCOClauses" ] |
  "alterProcessFlowSCOClauses" );

renameClause = RENAME TO "QUOTED_STRING";

setPropertyClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
  "propertyValueList" ")";

alterProcessFlowSCOClauses = ADD ( "addProcessParameterClause" [
  "alterProcessFlowSCOClauses" ] | "addActivityClause" [
  "alterProcessFlowSCOClauses" ] | "addTransitionClause" [
  "alterProcessFlowSCOClauses" ] ) | MODIFY ( "modifyProcessParameterClause" [
  "alterProcessFlowSCOClauses" ] | "modifyActivityClause" [
  "alterProcessFlowSCOClauses" ] | "modifyUserDefinedActivityClause" [
  "alterProcessFlowSCOClauses" ] | "modifyTransitionClause" [
  "alterProcessFlowSCOClauses" ] ) | DELETE ( "deleteProcessParameterClause" [
  "alterProcessFlowSCOClauses" ] | "deleteActivityClause" [
  "alterProcessFlowSCOClauses" ] | "deleteTransitionClause" [
  "alterProcessFlowSCOClauses" ] | "deleteUserDefinedParameterClause" [
  "alterProcessFlowSCOClauses" ] );

propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { ",", "propertyValue" };

addProcessParameterClause = ( PARAMETER "QUOTED_STRING" ) [ SET
  "setPropertyClause" ];

addActivityClause = ( "addStandardActivityClause" | "addMapActivityClause" |
  "addFunctionActivityClause" | "addSubProcessActivityClause" );

addTransitionClause = ( TRANSITION "QUOTED_STRING" ( FROM ACTIVITY
  "QUOTED_STRING" ) ( TO "QUOTED_STRING" ) ) [ SET "setPropertyClause" ];

modifyProcessParameterClause = PARAMETER "QUOTED_STRING" (
  "renameClause" [ SET "setPropertyClause" ] | SET "setPropertyClause" );

modifyActivityClause = ACTIVITY "QUOTED_STRING" ( "renameClause" [ SET
  "setPropertyClause" ] | "modifyActivityParameterClause" ] | SET
  "setPropertyClause" [ "modifyActivityParameterClause" ] |
  "modifyActivityParameterClause" );

modifyUserDefinedActivityClause = USER_DEFINED ACTIVITY "QUOTED_
  STRING" ( "renameClause" [ SET "setPropertyClause" ] |
  "modifyUDActivityParameterClause" ] | SET "setPropertyClause" [
  "modifyUDActivityParameterClause" ] | "modifyUDActivityParameterClause" );

modifyTransitionClause = TRANSITION "QUOTED_STRING" ( "renameClause" [
  SET "setPropertyClause" ] | SET "setPropertyClause" );

deleteProcessParameterClause = PARAMETER "QUOTED_STRING";

deleteActivityClause = ACTIVITY "QUOTED_STRING";

deleteTransitionClause = TRANSITION "QUOTED_STRING";

deleteUserDefinedParameterClause = PARAMETER "QUOTED_STRING" OF USER_
  DEFINED ACTIVITY "QUOTED_STRING";

```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addStandardActivityClause = ( AND ACTIVITY "QUOTED_STRING" | OR
ACTIVITY "QUOTED_STRING" | FORK ACTIVITY "QUOTED_STRING" | FTP
ACTIVITY "QUOTED_STRING" | EMAIL ACTIVITY "QUOTED_STRING" | FILE_
EXISTS ACTIVITY "QUOTED_STRING" | USER_DEFINED ACTIVITY "QUOTED_
STRING" | END_WARNING ACTIVITY | END_ERROR ACTIVITY | END_
SUCCESS ACTIVITY ) [ SET "setPropertiesClause" ];

addMapActivityClause = ( MAPPING ACTIVITY "QUOTED_STRING" SET (
PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesMapClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesMapClauses" ) );

addFunctionActivityClause = ( TRANSFORMATION ACTIVITY "QUOTED_
STRING" SET ( PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesFunctionClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesFunctionClauses" ) );

addSubProcessActivityClause = ( SUBPROCESS ACTIVITY "QUOTED_STRING"
SET ( PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesSubProcessClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesSubProcessClauses" ) );

modifyActivityParameterClause = MODIFY "modifyActivityParameter" [
"modifyActivityParameterClause" ];

modifyUDActivityParameterClause = ADD ( "addUDActivityParameterClause" [
"modifyUDActivityParameterClause" ] ) | MODIFY (
"alterUDActivityParameterClause" [ "modifyUDActivityParameterClause" ] ) |
DELETE ( "deleteUDActivityParameterClause" [
"modifyUDActivityParameterClause" ] );

collectPropertiesClause = ( ( "propertyNameList" ) ) VALUES ( (
"propertyValueList" ) );

setPropertiesAndReferencesMapClauses = ( MAPPING "QUOTED_STRING" );

setPropertiesAndReferencesFunctionClauses = ( TRANSFORMATION "QUOTED_
STRING" );

setPropertiesAndReferencesSubProcessClauses = ( PROCESS_FLOW "QUOTED_
STRING" );

modifyActivityParameter = PARAMETER "QUOTED_STRING" SET
"setPropertiesClause";

addUDActivityParameterClause = PARAMETER "QUOTED_STRING" [ SET
"setPropertiesClause" ];

alterUDActivityParameterClause = PARAMETER "QUOTED_STRING"
"renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause";

deleteUDActivityParameterClause = PARAMETER "QUOTED_STRING";
```

Keywords and Parameters

alterProcessFlowCommand

Alter process flow.

renameClause

Rename process flow/ activity, depending on current context.

setPropertyClause

Used to set properties (core, user-defined) for process flow. Note: For MAPPING, TRANSFORMATION and SUBPROCESS activities the **setPropertyAndReferencesMapClauses**, **setPropertyAndReferencesFunctionClauses** and **setPropertyAndReferencesSubProcessClauses** respectively, are mandatory. For MAPPING or TRANSFORMATION activities the **REFERENCE** property has to be set to a valid MAP or TRANSFORMATION within the current project. For SUBPROCESS activities the **REFERENCE** property has to be set to a SUBPROCESS within the same **PROCESS_FLOW_PACKAGE**. Valid properties are shown below:

Base properties for **PROCESS_FLOW**:

Basic properties for Process Flow, Activity, Transition and Parameter:

Name: **BUSINESS_NAME**

Type: **STRING(200)**

Valid Values: N/A

Default: "

Business name of the Process Flow

Name: **DESCRIPTION**

Type: **STRING(4000)**

Valid Values: N/A

Default: "

Description of the Process Flow Core properties for Transition :

Name: **TRANSITION_CONDITION**

Type: **STRING**

Valid Values: ", SUCCESS, ERROR, WARNING

Default: " i.e. Unconditional

Sets the Transition Condition of a Transition

Description of the Process Flow Core properties for Activity Parameter :

Name: **DATATYPE**

Type: **STRING**

Valid Values: INTEGER, FLOAT, DATE, STRING, BOOLEAN

Default: STRING Sets the datatype of a Activity Parameter

Name: DIRECTION

Type: STRING

Valid Values: IN

Default: IN Sets the direction of a Activity Parameter

Name: VALUE

Type: STRING

Valid Values: Examples '123', '123.456', 'Jan-08-2003', 'I am String', 'true' Default: " For Mapping activities representing PLSQL maps, the allowed value for the parameters: OPERATING_MODE:'SET_BASED' 'ROW_BASED' 'ROW_BASED_TARGET_ONLY' 'SET_BASED_FAIL_OVER_TO_ROW_BASED' 'SET_BASED_FAIL_OVER_TO_ROW_BASED_TARGET_ONLY' AUDIT_LEVEL:'NONE' 'STATISTICS' 'ERROR_DETAILS' 'COMPLETE' Sets the value of a Activity Parameter

Name: BINDING

Type: STRING

Valid Values: Examples 'PARAM_1', 'PARAM_2' Default: " Represents the parameter on the process flow that this parameter is bound to. When setting users can specify the name of any PROCESS PARAMETER of same datatype. This feature allows for parameterizing the process flow. If the parameter is bound the VALUE property is ignored when generating the process flow. To unbind a parameter, use an empty quoted string ie. "", and the parameter will be unbound.

Properties for PROCESS_FLOW:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: "

Physical name of the object that this activity represents.

Name: DEPLOYED_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Deployed Location of Transformation Activities only.

Name: EXECUTION_LOCATION

Type: STRING

Valid Values: N/A

Default: NATIVE_EXECUTION

The location from which this activity will be executed.

Name: REMOTE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Remote Location for FTP activities only.

Name: USE_RETURN_AS_STATUS

Type: BOOLEAN

Valid Values: true, false

Default: false

Use any return value to select the Transition path.

Name: WORKING_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Working Location for FTP, FILE_EXIST and USER_DEFINED activities only.

Properties for ACTIVITY:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: "

Physical name of the object that this activity represents.

Name: DEPLOYED_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Deployed Location of Transformation Activities only.

Name: EXECUTION_LOCATION

Type: STRING

Valid Values: N/A

Default: NATIVE_EXECUTION

The location from which this activity will be executed.

Name: REMOTE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Remote Location for FTP activities only.

Name: USE_RETURN_AS_STATUS

Type: BOOLEAN

Valid Values: true, false

Default: false

Use any return value to select the Transition path.

Name: WORKING_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Working Location for FTP, FILE_EXIST and USER_DEFINED activities only.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

alterProcessFlowSCOClauses

This clause is wrapper clause to add, modify or delete Process Flow's second class objects.

propertyNameList

A comma delimited set of property names to set.

propertyValueList

A comma delimited set of property values to set.

addProcessParameterClause

This clause adds the Parameters for a Process Flow.

addActivityClause

This clause adds the Activities for a Process Flow.

addTransitionClause

This clause adds the Transitions for a Process Flow.

modifyProcessParameterClause

This clause modifies the Parameters of a Process Flow.

modifyActivityClause

This clause modifies the Activities of a Process Flow.

modifyUserDefinedActivityClause

Alter the properties of the specified user defined activity.

modifyTransitionClause

This clause modifies the Transitions of a Process Flow.

deleteProcessParameterClause

This clause deletes the Parameters of a Process Flow.

deleteActivityClause

This clause deletes the Activities of a Process Flow.

deleteTransitionClause

This clause deletes the Transitions of a Process Flow.

deleteUserDefinedParameterClause

This clause deletes the Parametrers of a User Defined Activity of a Process Flow.

propertyValue

Integer value, float value or quoted string literal.

addStandardActivityClause

This clause adds standard activity types AND, FORK, FTP, OR, USER_DEFINED to a Process Flow.

addMapActivityClause

This clause adds the MAP activity to a Process Flow.

addFunctionActivityClause

This clause adds the Function or Procedure activity to a Process Flow.

addSubProcessActivityClause

This clause adds a Process as an activity to a Process Flow.

modifyActivityParameterClause

Alter the properties of activity parameters.

modifyUDActivityParameterClause

Alter user defined activity by adding new parameters or modifying existing parameter.

collectPropertiesClause

This clause collects core properties of Map, Function/Procedure and Subprocess activity.

setPropertiesAndReferencesMapClauses

This clause sets reference to the existing Map.

setPropertiesAndReferencesFunctionClauses

This clause sets a reference to existing Function or Procedure.

setPropertiesAndReferencesSubProcessClauses

This clause sets a reference to existing Process Flow.

modifyActivityParameter

Alter the properties of the parameter.

`addUDActivityParameterClause`

Add more activity parameters to the user defined activity.

`alterUDActivityParameterClause`

In the current user defined activity, alter the properties of the activity parameter eg. rename, set DATATYPE or set VALUE.

`deleteUDActivityParameterClause`

For the current user defined activity, delete the activity parameter.

Examples

`OMBALTER PROCESS_FLOW 'process_flow' RENAME TO 'p_flow' SET
PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a process
flow.', 'process flow')` This will rename the Process Flow "process_flow" to "p_flow",
and set its description to "This becomes a process flow", set its business name to
"process flow".

See Also

`OMBALTER`, `OMBCREATE PROCESS_FLOW`, `OMBDROP PROCESS_FLOW`

OMBALTER PROCESS_FLOW_MODULE

Purpose

OMBALTER PROCESS_FLOW_MODULE - Alter the Process Flow Module by renaming it, and/or reset its properties.

Prerequisites

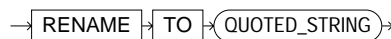
Should be in the context of a project.

Syntax Diagrams

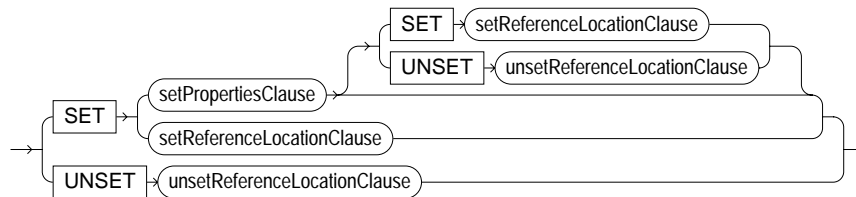
alterProcessFlowModuleCommand



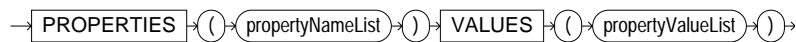
renameClause



alterPropertiesOrLocationClause



setPropertiesClause



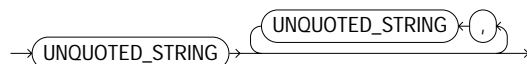
setReferenceLocationClause



unsetReferenceLocationClause



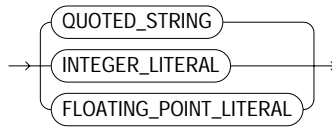
propertyNameList



propertyValueList



propertyValue



Syntax

```

alterProcessFlowModuleCommand = OMBALTER ( PROCESS_FLOW_MODULE
"QUOTED_STRING" ( "renameClause" [ "alterPropertiesOrLocationClause" ] |
"alterPropertiesOrLocationClause" ) );

renameClause = RENAME TO "QUOTED_STRING";

alterPropertiesOrLocationClause = SET ( "setPropertiesClause" [ SET
"setReferenceLocationClause" | UNSET "unsetReferenceLocationClause" ] |
"setReferenceLocationClause" ) | UNSET "unsetReferenceLocationClause";

setPropertiesClause = PROPERTIES "( " "propertyNameList" " )" VALUES "( "
"propertyValueList" " )";

setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";

unsetReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";

propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " ," "propertyValue" };

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

```

Keywords and Parameters

alterProcessFlowModuleCommand

This command modifies an existing process flow module.

renameClause

Rename an existing process flow module.

alterPropertiesOrLocationClause

Modify the details of this process flow module.

setPropertiesClause

Set values of properties of a process flow module.

Base properties for PROCESS_FLOW_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Process Flow Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Process Flow Module

setReferenceLocationClause

Set a location to a supported workflow engine.

unsetReferenceLocationClause

Unset the location of the process flow module.

propertyNameList

Comma-separated list of property names. Property names are not in quotation marks.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBALTER PROCESS_FLOW_MODULE 'process_module' RENAME TO 'p_module'  
SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a  
process flow module.', 'process module') This will rename the Process Flow Module  
"process_module" to "p_module", and set its description to "This becomes a process  
flow module", set its business name to "process module".
```

See Also

OMBALTER, OMBCREATE PROCESS_FLOW_MODULE, OMBDROP PROCESS_FLOW_MODULE

OMBALTER PROCESS_FLOW_PACKAGE

Purpose

OMBALTER PROCESS_FLOW_PACKAGE - Alter the Process Flow Package by renaming it, and/or reset its properties.

Prerequisites

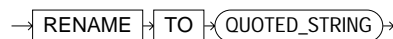
Should be in the context of a Process Flow Module.

Syntax Diagrams

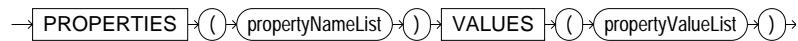
alterProcessFlowPackageCommand



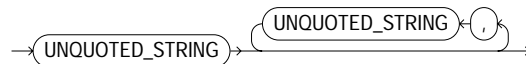
renameClause



setPropertiesClause



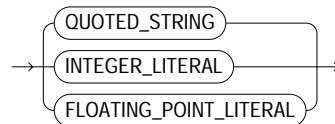
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterProcessFlowPackageCommand = OMBALTER ( PROCESS_FLOW_PACKAGE
"QUOTED_STRING" ( "renameClause" [ SET "setPropertiesClause" ] | SET
"setPropertiesClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" " )";
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterProcessFlowPackageCommand

Alter process flow package.

renameClause

Rename the process flow package.

setPropertyClause

Set the properties of the process flow package.

Basic properties for PROCESS_FLOW_PACKAGE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Process Flow Package

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Process Flow Package

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

A comma delimited set of property names to set.

propertyValueList

A comma delimited set of property values to set.

propertyValue

Integer value, float value or quoted string literal.

Examples

OMBALTER PROCESS_FLOW_PACKAGE 'process_package' RENAME TO 'p_package' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes a process flow package.', 'process package') This will rename the Process Flow Package "process_package" to "p_package", and set its description to "This becomes a process flow package", set its business name to "process package".

See Also

OMBALTER, OMBCREATE PROCESS_FLOW_PACKAGE, OMBDROP PROCESS_FLOW_PACKAGE

OMBALTER PROJECT

Purpose

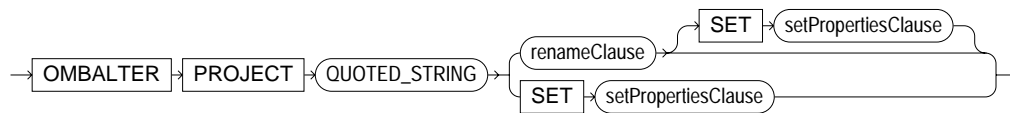
OMBALTER PROJECT - Alter the project by renaming it, and/or reset its properties.

Prerequisites

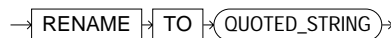
Should be in the top level context.

Syntax Diagrams

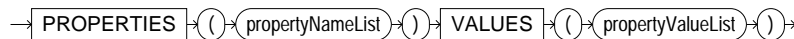
alterProjectCommand



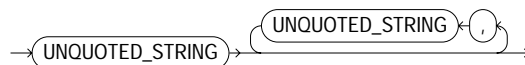
renameClause



setPropertiesClause



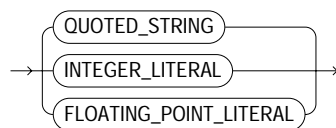
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterProjectCommand = OMBALTER ( PROJECT "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
    "propertyValueList" ")";
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
    POINT_LITERAL" );
```


Keywords and Parameters

`alterProjectCommand`

Modify an existing project.

`QUOTED_STRING`

Name of the existing project in quotes.

`renameClause`

Rename a project.

`setPropertyClause`

Associate a set of properties with a project.

Basic properties for `PROJECT`:

Name: `BUSINESS_NAME`

Type: `STRING(200)`

Valid Values: N/A

Default: `NAME`

Business name of a Project

Name: `DESCRIPTION`

Type: `STRING(4000)`

Valid Values: N/A

Default: `"`

Description of a Project

Name: `UUID`

Type: `STRING(40)`

Valid Values: N/A

Default: `N/A`

UUID of a Project

`propertyNameList`

Comma separated list of property names. Property names are unquoted.

`propertyValueList`

Comma separated list of property values.

propertyValue

Value of a property.

Examples

OMBALTER PROJECT 'New Project' RENAME TO 'Old Project' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('This becomes an old project.', 'old payroll project') This will rename project "New Project" to "Old Project", and set its description to "This becomes an old project", set its business name to "old payroll project".

See Also

OMBALTER, OMBCREATE PROJECT, OMBDROP PROJECT

OMBALTER RUNTIME_REPOSITORY_CONNECTION

Purpose

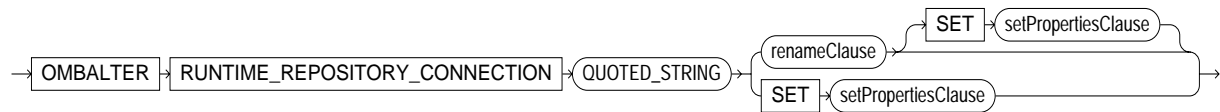
OMBALTER RUNTIME_REPOSITORY_CONNECTION - Alter the runtime repository connection by renaming it, and/or resetting its properties.

Prerequisites

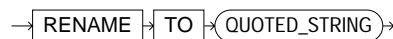
Should be in the context of a project.

Syntax Diagrams

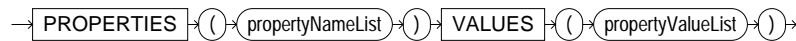
alterRuntimeRepositoryCommand



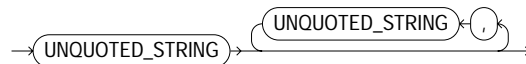
renameClause



setPropertiesClause



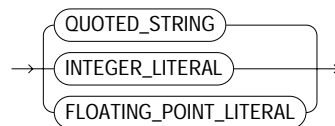
propertyNameList



propertyValueList



propertyValue



Syntax

```
alterRuntimeRepositoryCommand = OMBALTER ( RUNTIME_REPOSITORY_
CONNECTION "QUOTED_STRING" ( "renameClause" [ SET "setPropertiesClause" ]
| SET "setPropertiesClause" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

alterRuntimeRepositoryCommand

Alter a runtime repository connection.

renameClause

Rename the runtime repository connection to the value of the following quoted string.

setPropertyClause

Set the specified properties of the runtime repository connection.

propertyNameList

The names of the properties whose values you want to set.

Properties for RUNTIME_REPOSITORY_CONNECTION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The host machine the runtime repository is installed on.

Name: PORT

Type: NUMBER

Valid Values: 0 - 65535

Default: N/A

The port number of the database in which the runtime repository is installed.

Name: SERVICE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The service name of the database in which the runtime repository is installed.

Name: CONNECT_AS_USER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the database user you wish to connect to the runtime repository as.

Name: RUNTIME_REPOSITORY_OWNER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the schema in which the runtime repository is installed.

All of the preceding properties are mandatory for OMBCREATE RUNTIME_REPOSITORY_CONNECTION.

Basic properties for RUNTIME_REPOSITORY_CONNECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the runtime repository connection.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the runtime repository connection.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

OMBALTER RUNTIME_REPOSITORY_CONNECTION 'MY_CONNECTION'
RENAME TO 'NEW_CONNECTION' SET PROPERTIES (DESCRIPTION, BUSINESS_
NAME) VALUES ('This becomes a new repository.', 'new repository') This will rename
the runtime repository connection "MY_CONNECTION" to "NEW_CONNECTION",
and set its description to "This becomes a new repository", set its business name to
"new repository".

See Also

OMBALTER, OMBCREATE RUNTIME_REPOSITORY_CONNECTION, OMBDROP
RUNTIME_REPOSITORY_CONNECTION

OMBALTER SEQUENCE

Purpose

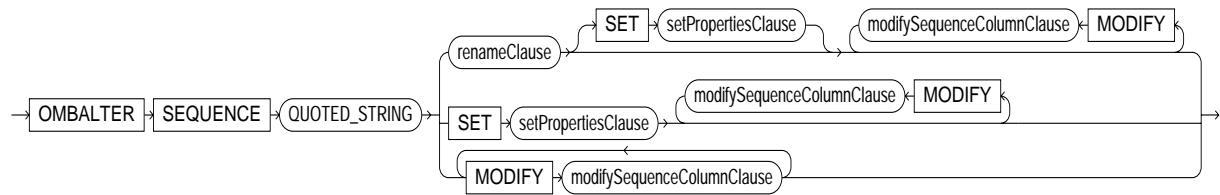
OMBALTER SEQUENCE - To alter properties and definition of a sequence.

Prerequisites

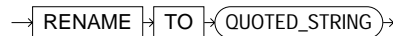
In the context of an Oracle Module.

Syntax Diagrams

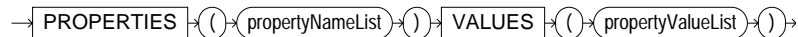
alterSequenceCommand



renameClause



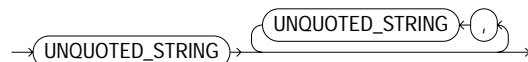
setPropertiesClause



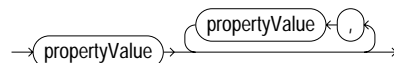
modifySequenceColumnClause



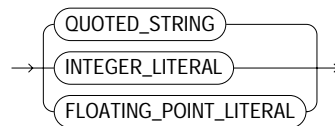
propertyNameList



propertyValueList



propertyValue



Syntax

```

alterSequenceCommand = OMBALTER ( SEQUENCE "QUOTED_STRING" (
    "renameClause" [ SET "setPropertiesClause" ] { MODIFY
    "modifySequenceColumnClause" } | SET "setPropertiesClause" { MODIFY
    "modifySequenceColumnClause" } | ( MODIFY "modifySequenceColumnClause" )+ )
);
  
```

```

renameClause = RENAME TO "QUOTED_STRING";
  
```

```
setPropertyClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("  
"propertyValueList" ")";  
modifySequenceColumnClause = COLUMN "QUOTED_STRING" SET  
"setPropertyClause";  
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };  
propertyValueList = "propertyValue" { ",", "propertyValue" };  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

alterSequenceCommand

This clause is for sequence alter command.

renameClause

renames a table with a different name.

setPropertyClause

set sequences properties.

Basic properties for SEQUENCE:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the sequence.

Name: CURRVAL

Type: NUMBER

Valid Values: N/A

Default: 1

current increment value.

Name: NEXTVAL

Type: NUMBER

Valid Values: N/A

Default: 1

next increment value. next increment value.

Properties for SEQUENCE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INCREMENT_BY

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Incremented By

Name: START_WITH

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Starts With

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

modifySequenceColumnClause

This clause modifies the sequence's column.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

propertyValue

This clause adds the property values.

Examples

```
OMBALTER SEQUENCE 'NEW_SEQUENCE' SET PROPERTIES (DESCRIPTION)  
VALUES ('this
```

is an altered desc of new sequence') This will alter a sequence named "NEW_SEQUENCE", its description is "this is an altered desc of new sequence."

See Also

OMBALTER, OMBCREATE SEQUENCE, OMBDROP SEQUENCE

OMBALTER SNAPSHOT

Purpose

OMBALTER SNAPSHOT - A snapshot can be altered to remove, add or update components.

Prerequisites

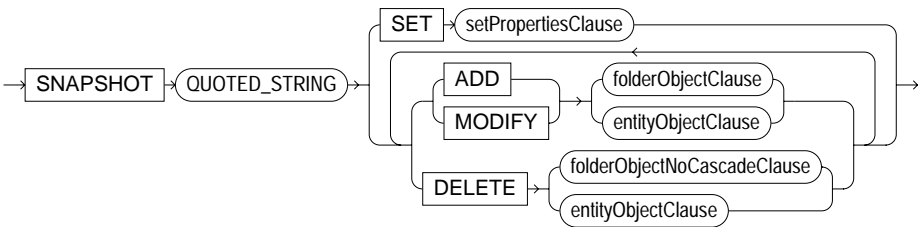
The snapshot to be altered should already exist. This command can be executed for any component regardless of current context.

Syntax Diagrams

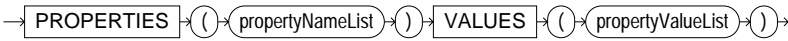
parseAlterCommand



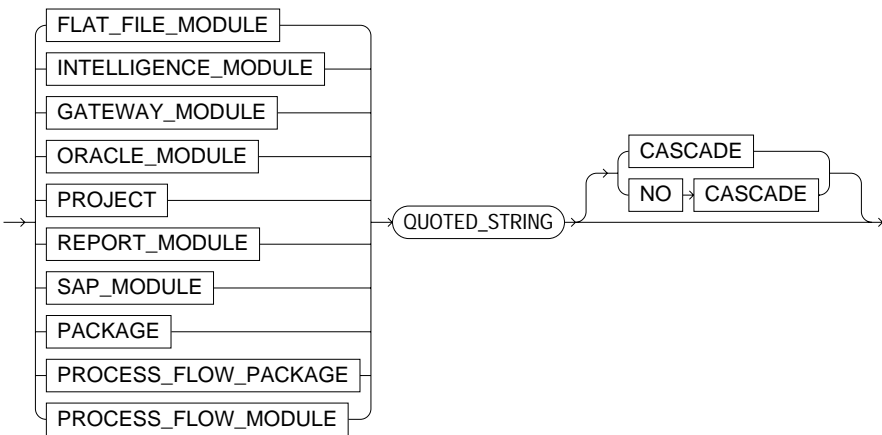
alterSnapshotCommand



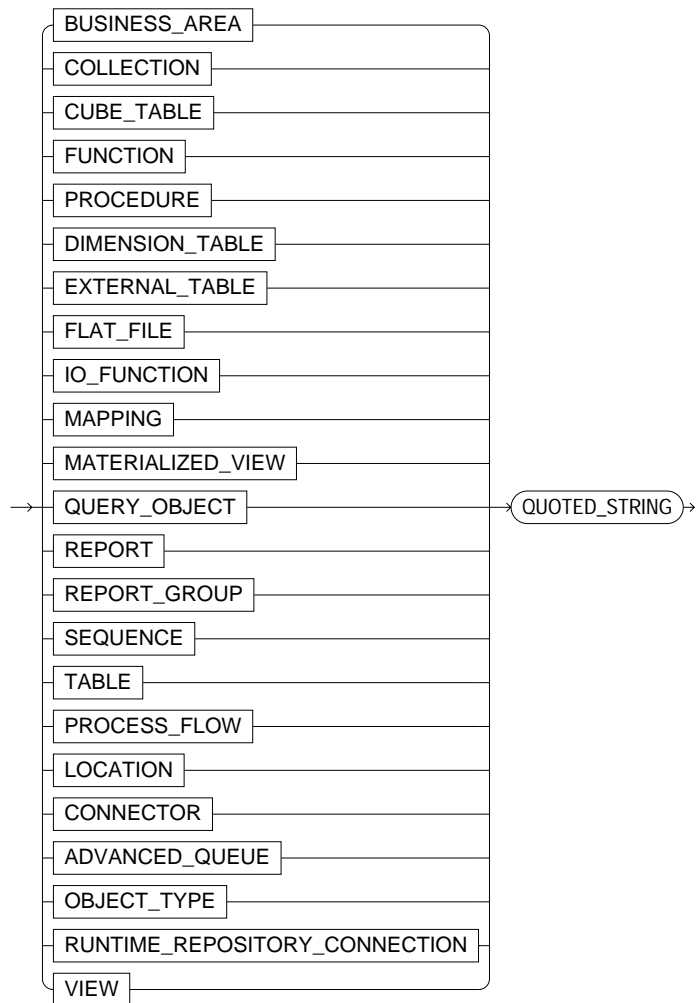
setPropertyClause



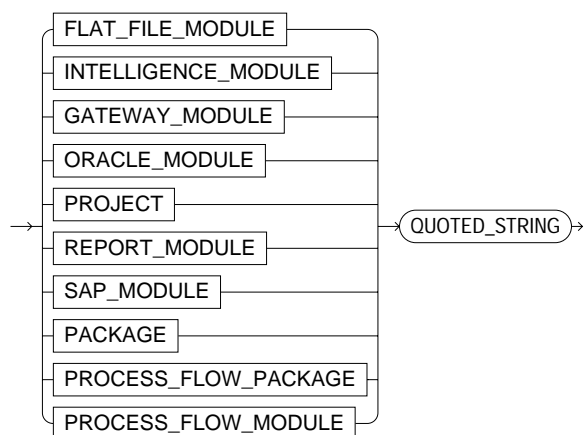
folderObjectClause



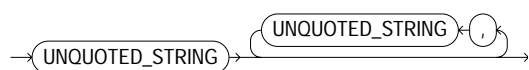
entityObjectClause



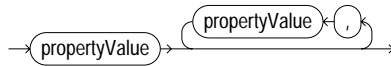
folderObjectNoCascadeClause



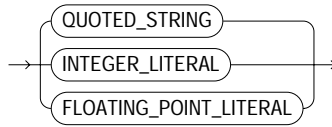
propertyNameList



propertyValueList



propertyValue



Syntax

```
parseAlterCommand = OMBALTER "alterSnapshotCommand";
```

```
alterSnapshotCommand = ( SNAPSHOT "QUOTED_STRING" ( SET
  "setPropertiesClause" | ( ( ( ADD | MODIFY ) ( "folderObjectClause" |
    "entityObjectClause" ) ) | ( DELETE ( "folderObjectNoCascadeClause" |
    "entityObjectClause" ) ) )+ ) );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" " ) VALUES "( "
  "propertyValueList" " )";
```

```
folderObjectClause = ( FLAT_FILE_MODULE | INTELLIGENCE_MODULE |
  GATEWAY_MODULE | ORACLE_MODULE | PROJECT | REPORT_MODULE |
  SAP_MODULE | PACKAGE | PROCESS_FLOW_PACKAGE | PROCESS_FLOW_
  MODULE ) "QUOTED_STRING" [ CASCADE | NO CASCADE ];
```

```
entityObjectClause = ( ( BUSINESS_AREA | COLLECTION | CUBE_TABLE |
  FUNCTION | PROCEDURE | DIMENSION_TABLE | EXTERNAL_TABLE | FLAT_
  FILE | IO_FUNCTION | MAPPING | MATERIALIZED_VIEW | QUERY_OBJECT |
  REPORT | REPORT_GROUP | SEQUENCE | TABLE | PROCESS_FLOW |
  LOCATION | CONNECTOR | ADVANCED_QUEUE | OBJECT_TYPE | RUNTIME_
  REPOSITORY_CONNECTION | VIEW ) "QUOTED_STRING" );
```

```
folderObjectNoCascadeClause = ( FLAT_FILE_MODULE | INTELLIGENCE_
  MODULE | GATEWAY_MODULE | ORACLE_MODULE | PROJECT | REPORT_
  MODULE | SAP_MODULE | PACKAGE | PROCESS_FLOW_PACKAGE |
  PROCESS_FLOW_MODULE ) "QUOTED_STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
  POINT_LITERAL" );
```

Keywords and Parameters

parseAlterCommand

Root production for OMBALTER SNAPSHOT.

alterSnapshotCommand

To alter already existing snapshot.

QUOTED_STRING

Name of snapshot to be altered.

ADD

Add components to snapshot.

MODIFY

Replace an already existing component with the latest definition of the component from repository.

DELETE

Remove component from snapshot.

setPropertiesClause

Properties of snapshot can be altered through this optional clause. Properties of Snapshot is DESCRIPTION and TYPE. Altering TYPE property is an irreversible operation. Altering snapshot from FULL to SIGNATURE will only keep information required for comparing. SIGNATURE snapshots cannot be exported.

Basic properties for SNAPSHOT:

Name: TYPE

Type: STRING(200)

Valid Values: FULL,SIGNATURE

Default: FULL

This is the type of snapshot

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the snapshot

folderObjectClause

Folder component clause, syntax is same as in CREATE SNAPSHOT command. It refers to the folder object and all components contained in it. For the ADD and MODIFY operation, this must be the relative path to the folder within the current repository. For the DELETE operation, this must be the fully-qualified path of the folder within a snapshot. Use OMBRETRIEVE SNAPSHOT to get the fully-qualified path of the folder within the snapshot to be altered.

entityObjectClause

Component clause, syntax is same as in CREATE SNAPSHOT. For the ADD and MODIFY operation, this must be the relative path to the component within the current repository. For the DELETE operation, this must be the fully-qualified path of the component within a snapshot. Use OMBRETRIEVE SNAPSHOT to get the fully-qualified path of the component within the snapshot to be altered.

folderObjectNoCascadeClause

Folder component with no cascade clause, It only refers to the folder object itself, its properties and none of its contained components. For the ADD and MODIFY operation, this must be the relative path to the folder within the current repository. For the DELETE operation, this must be the fully-qualified path of the folder within a snapshot. Use OMBRETRIEVE SNAPSHOT to get the fully-qualified path of the folder within the snapshot to be altered.

propertyNameList

Property names for SNAPSHOT that can be altered.

propertyValueList

List of property values for SNAPSHOT.

propertyValue

Allowable value types for a snapshot property.

Examples

```
OMBALTER SNAPSHOT 'S1' ADD TABLE '/Project1/WH2/T3'
```

This command adds table T3 into snapshot S1.

```
OMBALTER SNAPSHOT 'S1' DELETE TABLE '/Project1/WH2/T1'
```

This command removes T1 table from snapshot S1, if system can find that table in snapshot. OMBALTER SNAPSHOT 'S1' MODIFY TABLE '/Project1/WH2/T1' This command updates definition of component T1 in snapshot from repository.

OMBALTER SNAPSHOT 'S1' SET PROPERTIES (DESCRIPTION) VALUES ('this is new description'); This command sets new description for snapshot. OMBALTER SNAPSHOT 'S1' SET PROPERTIES (TYPE) VALUES('SIGNATURE') This command transforms a FULL snapshot into a SIGNATURE snapshot, which is only useful for the compare service.

See Also

OMBCREATE SNAPSHOT, OMBDROP SNAPSHOT, OMBRESTORE SNAPSHOT, OMBCOMPARE SNAPSHOT, OMBLIST SNAPSHOT, OMBRETRIEVE SNAPSHOT

OMBALTER TABLE

Purpose

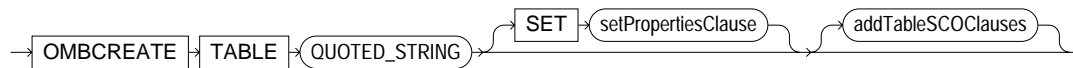
OMBCREATE TABLE - To create a table.

Prerequisites

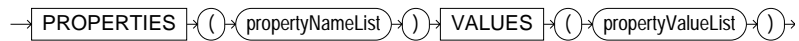
In the context of an Oracle Module.

Syntax Diagrams

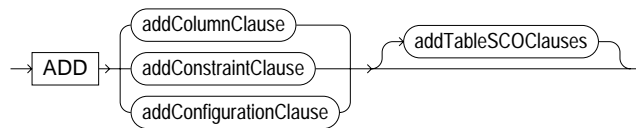
createTableCommand



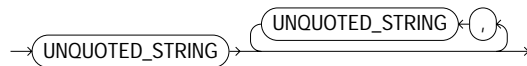
setPropertiesClause



addTableSCOClauses



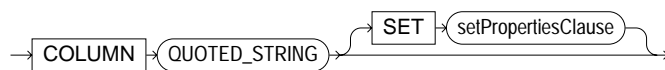
propertyNameList



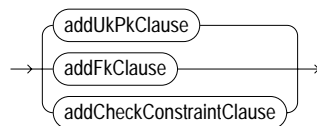
propertyValueList



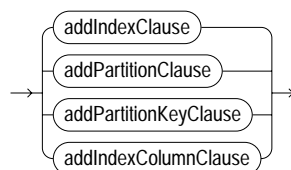
addColumnClause



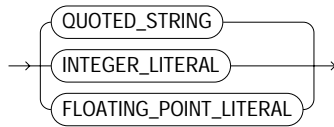
addConstraintClause



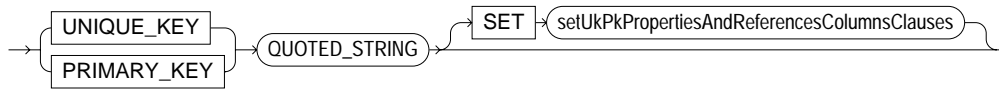
addConfigurationClause



propertyValue



addUkPkClause



addFkClause



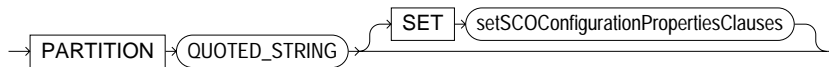
addCheckConstraintClause



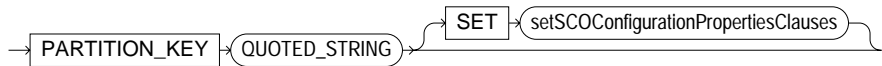
addIndexClause



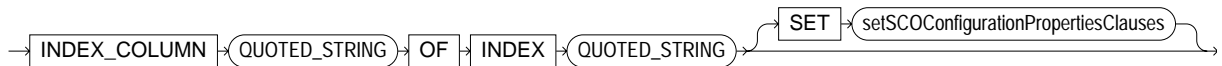
addPartitionClause



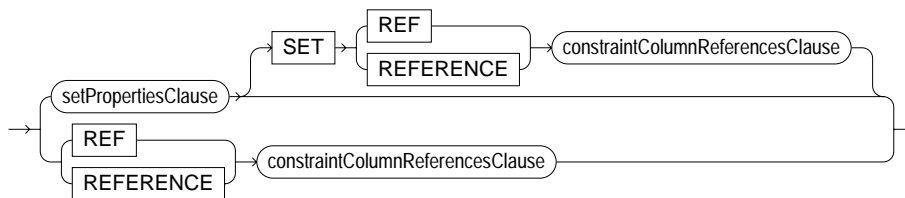
addPartitionKeyClause



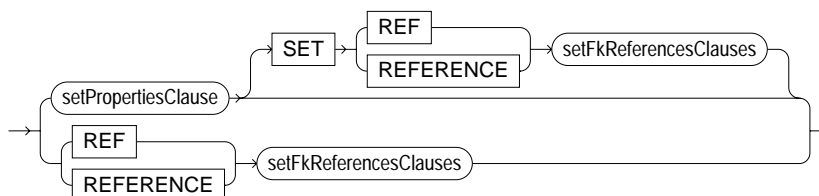
addIndexColumnClause



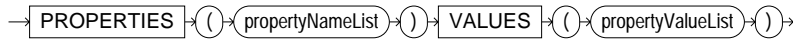
setUkPkPropertiesAndReferencesColumnsClauses



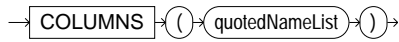
setFkSubClauses



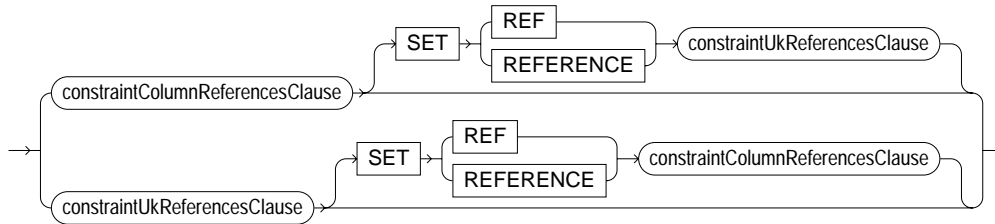
setSCOConfigurationPropertiesClauses



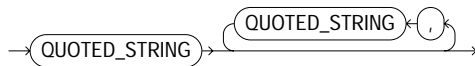
constraintColumnReferencesClause



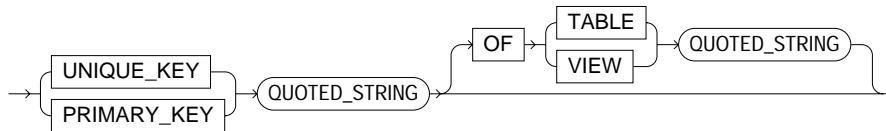
setFkReferencesClauses



quotedNameList



constraintUkReferencesClause



Syntax

```

createTableCommand = OMBCREATE ( TABLE "QUOTED_STRING" [ SET
    "setPropertyClause" ] [ "addTableSCOClauses" ] );

setPropertyClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
    "propertyValueList" ")";

addTableSCOClauses = ADD ( "addColumnClause" | "addConstraintClause" |
    "addConfigurationClause" ) [ "addTableSCOClauses" ];

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };

addColumnClause = COLUMN "QUOTED_STRING" [ SET "setPropertyClause" ];

addConstraintClause = "addUkPkClause" | "addFkClause" |
    "addCheckConstraintClause";

addConfigurationClause = "addIndexClause" | "addPartitionClause" |
    "addPartitionKeyClause" | "addIndexColumnClause";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
    POINT_LITERAL" );

addUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" [ SET
    "setUkPkPropertiesAndReferencesColumnsClauses" ];

addFkClause = FOREIGN_KEY "QUOTED_STRING" [ SET "setFkSubClauses" ];

addCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" [ SET
    "setPropertyClause" ];
  
```

```

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (
REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )
"constraintColumnReferencesClause";

setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )
"setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";

setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" " )"
VALUES "( " "propertyValueList" " )";

constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" " )";

setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |
REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [
SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];

quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };

constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_
STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];

```

Keywords and Parameters

createTableCommand

This command creates a table.

QUOTED_STRING

Specify the name of the table to be created.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints. Valid properties are shown below:

Basic properties for TABLE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for COLUMN:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Name: DATATYPE

Type: STRING

Valid Values: NUMBER, VARCHAR, VARCHAR2, DATE, FLOAT

Default: NUMBER

The datatype of a column

Name: LENGTH

Type: NUMBER

Valid Values: Default: 1 The length of a number

Name: PRECISION

Type: NUMBER

Valid Values: 0 - 39

Default: 1

The precision of a number.

Name: SCALE

Type: NUMBER

Valid Values: -85 - 125

Default: 1

The scale of a number.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn.

Properties for TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT

Type: NUMBER

Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

addTableSCOClauses

This clause adds the secon class objects.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addColumnClause

This column adds a column.

addConstraintClause

Adds primary and unique key, and add check constraints.

`addConfigurationClause`

This clause will add configuration objects.

`propertyValue`

This clause adds the property values.

`addUkPkClause`

This clause adds the adds unique key and primary keys.

`QUOTED_STRING`

name of the unique key or primary key.

`addFkClause`

This clause adds foreign key

`QUOTED_STRING`

Name of the foreign key.

`addCheckConstraintClause`

add a check constraint.

`QUOTED_STRING`

Name of the CheckConstraint.

`addIndexClause`

This clause adds an index.

`QUOTED_STRING`

Name of the index.

`addPartitionClause`

This clause adds a partition.

`QUOTED_STRING`

Name of the partition.

addPartitionKeyClause

This clause adds a partition key.

QUOTED_STRING

Name of the partition key. This should be a column identifier.

addIndexColumnClause

This clause will add indexColumn to a specified index.

QUOTED_STRING

Index name

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE
RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primay key name, and the latter denotes the table's or view's name.

Examples

OMBCREATE TABLE 'new_table' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a new table', 'New Table') This will create a table named "NEW_TABLE", its description is "this is a new table", and business name is "New Table".

See Also

OMBCREATE, OMBALTER TABLE, OMBDROP TABLE

OMBALTER VIEW

Purpose

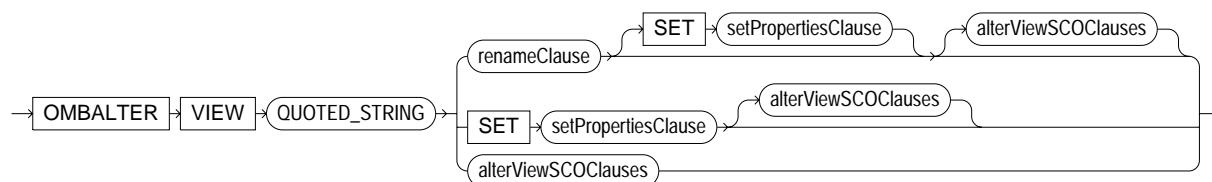
OMBALTER VIEW - To alter properties and definition of a view.

Prerequisites

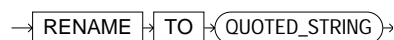
In the context of an Oracle Module.

Syntax Diagrams

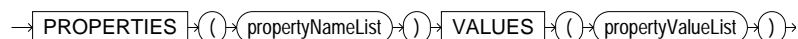
alterViewCommand



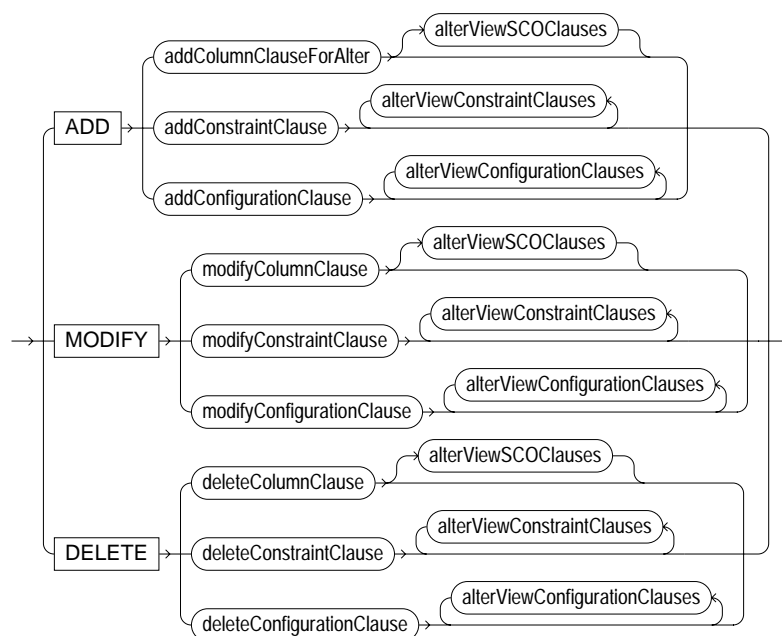
renameClause



setPropertiesClause



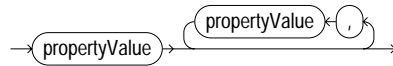
alterViewSCOClauses



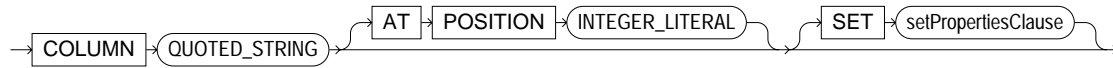
propertyNameList



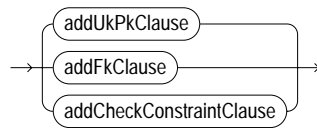
propertyValueList



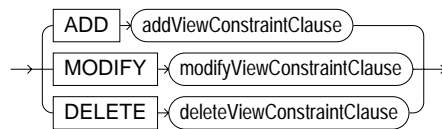
addColumnClauseForAlter



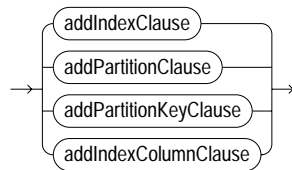
addConstraintClause



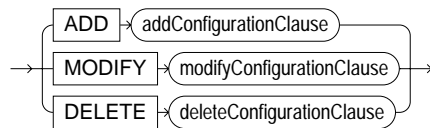
alterViewConstraintClauses



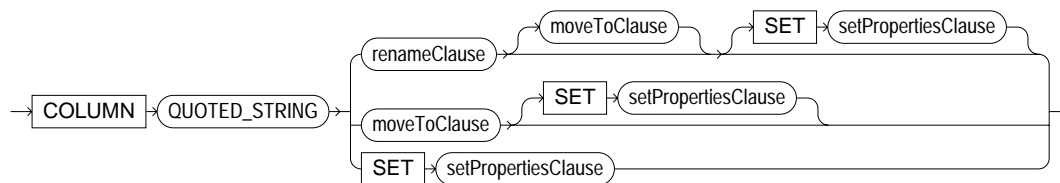
addConfigurationClause



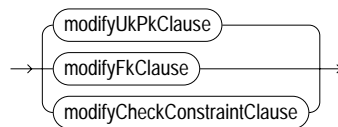
alterViewConfigurationClauses



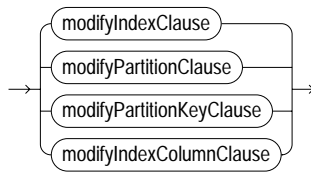
modifyColumnClause



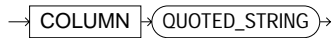
modifyConstraintClause



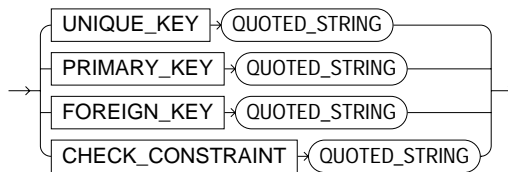
modifyConfigurationClause



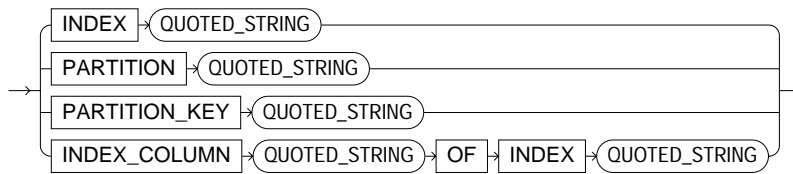
deleteColumnClause



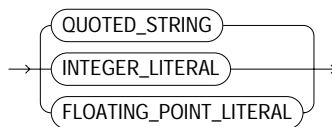
deleteConstraintClause



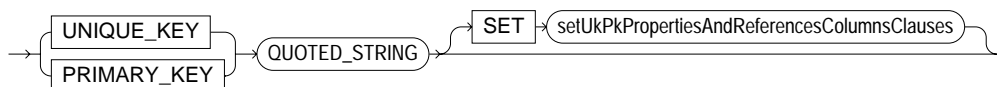
deleteConfigurationClause



propertyValue



addUkPkClause



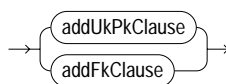
addFkClause



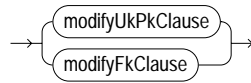
addCheckConstraintClause



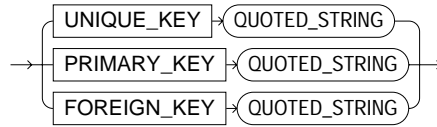
addViewConstraintClause



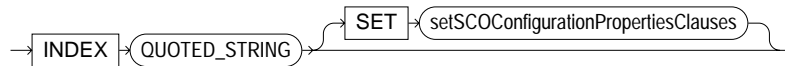
modifyViewConstraintClause



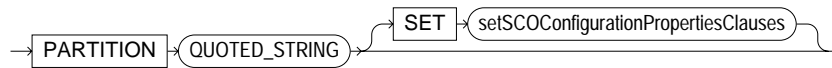
deleteViewConstraintClause



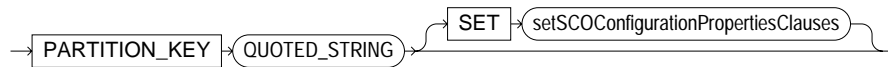
addIndexClause



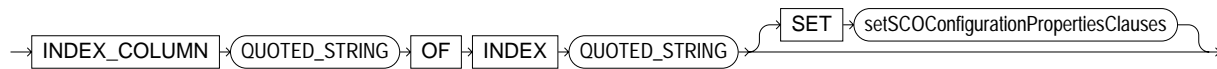
addPartitionClause



addPartitionKeyClause



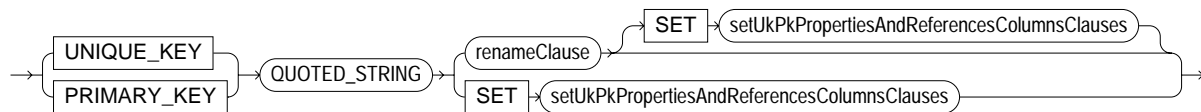
addIndexColumnClause



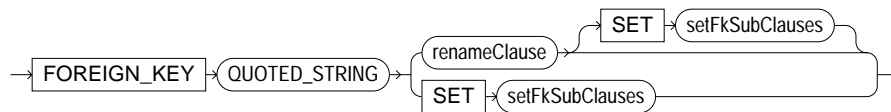
moveToClause



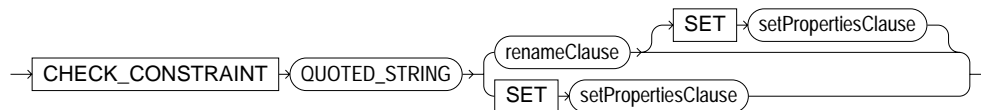
modifyUkPkClause



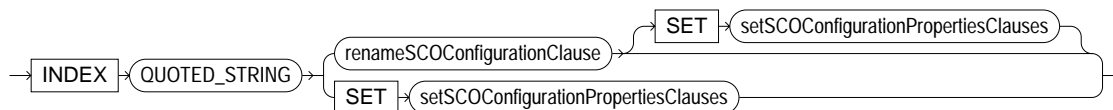
modifyFkClause



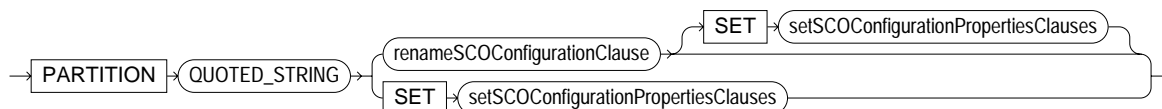
modifyCheckConstraintClause



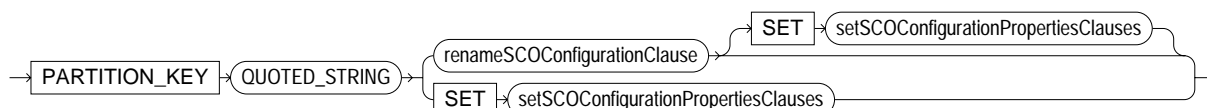
modifyIndexClause



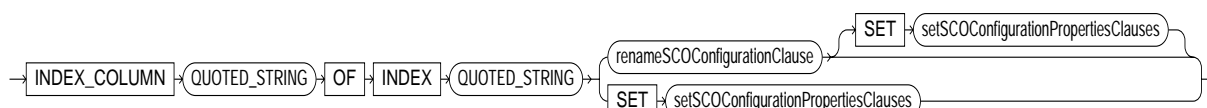
modifyPartitionClause



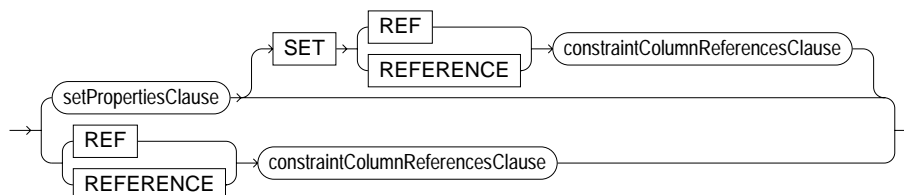
modifyPartitionKeyClause



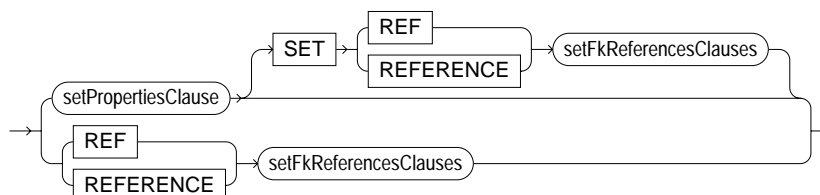
modifyIndexColumnClause



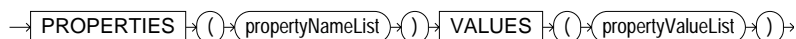
setUkPkPropertiesAndReferencesColumnsClauses



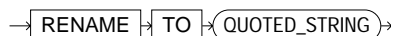
setFkSubClauses



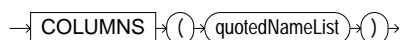
setSCOConfigurationPropertiesClauses



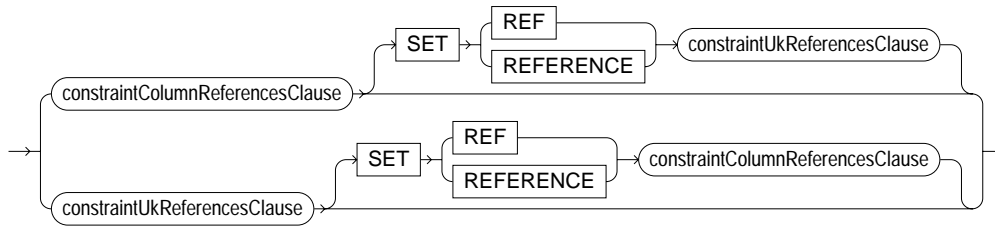
renameSCOConfigurationClause



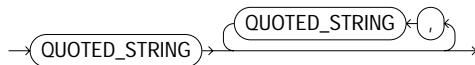
constraintColumnReferencesClause



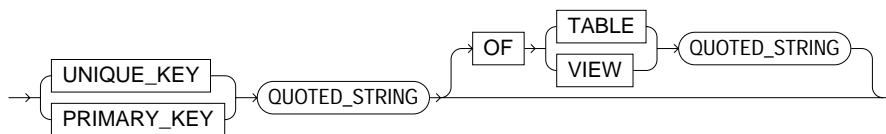
setFkReferencesClauses



quotedNameList



constraintUkReferencesClause



Syntax

```
alterViewCommand = OMBALTER ( VIEW "QUOTED_STRING" ( "renameClause" [
SET "setPropertyClause" ] [ "alterViewSCOClauses" ] | SET "setPropertyClause" [
"alterViewSCOClauses" ] | "alterViewSCOClauses" ) );
```

```
renameClause = RENAME TO "QUOTED_STRING";
```

```
setPropertyClause = PROPERTIES ( ( "propertyNameList" ) "VALUES" ( "propertyValueList" ) );
```

```
alterViewSCOClauses = ADD ( "addColumnClauseForAlter" [
"alterViewSCOClauses" ] | "addConstraintClause" { "alterViewConstraintClauses" }
| "addConfigurationClause" { "alterViewConfigurationClauses" } ) | MODIFY (
"modifyColumnClause" [ "alterViewSCOClauses" ] | "modifyConstraintClause" {
"alterViewConstraintClauses" } | "modifyConfigurationClause" {
"alterViewConfigurationClauses" } ) | DELETE ( "deleteColumnClause" [
"alterViewSCOClauses" ] | "deleteConstraintClause" { "alterViewConstraintClauses" }
| "deleteConfigurationClause" { "alterViewConfigurationClauses" } );
```

```
propertyNameList = "UNQUOTED_STRING" { "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { "propertyValue" };
```

```
addColumnClauseForAlter = COLUMN "QUOTED_STRING" [ AT POSITION
"INTEGER_LITERAL" ] [ SET "setPropertyClause" ];
```

```
addConstraintClause = "addUkPkClause" | "addFkClause" |
"addCheckConstraintClause";
```

```
alterViewConstraintClauses = ADD "addViewConstraintClause" | MODIFY
"modifyViewConstraintClause" | DELETE "deleteViewConstraintClause";
```

```
addConfigurationClause = "addIndexClause" | "addPartitionClause" |
"addPartitionKeyClause" | "addIndexColumnClause";
```

```
alterViewConfigurationClauses = ADD "addConfigurationClause" | MODIFY
"modifyConfigurationClause" | DELETE "deleteConfigurationClause";
```

```

modifyColumnClause = COLUMN "QUOTED_STRING" ( "renameClause" [
"moveToClause" ] [ SET "setPropertiesClause" ] | "moveToClause" [ SET
"setPropertiesClause" ] | SET "setPropertiesClause" );

modifyConstraintClause = "modifyUkPkClause" | "modifyFkClause" |
"modifyCheckConstraintClause";

modifyConfigurationClause = "modifyIndexClause" | "modifyPartitionClause" |
"modifyPartitionKeyClause" | "modifyIndexColumnClause";

deleteColumnClause = COLUMN "QUOTED_STRING";

deleteConstraintClause = UNIQUE_KEY "QUOTED_STRING" | PRIMARY_KEY
"QUOTED_STRING" | FOREIGN_KEY "QUOTED_STRING" | CHECK_
CONSTRAINT "QUOTED_STRING";

deleteConfigurationClause = INDEX "QUOTED_STRING" | PARTITION
"QUOTED_STRING" | PARTITION_KEY "QUOTED_STRING" | INDEX_COLUMN
"QUOTED_STRING" OF INDEX "QUOTED_STRING";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" [ SET
"setUkPkPropertiesAndReferencesColumnsClauses" ];

addFkClause = FOREIGN_KEY "QUOTED_STRING" [ SET "setFkSubClauses" ];

addCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" [ SET
"setPropertiesClause" ];

addViewConstraintClause = "addUkPkClause" | "addFkClause";

modifyViewConstraintClause = "modifyUkPkClause" | "modifyFkClause";

deleteViewConstraintClause = UNIQUE_KEY "QUOTED_STRING" | PRIMARY_
KEY "QUOTED_STRING" | FOREIGN_KEY "QUOTED_STRING";

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

moveToClause = MOVE TO POSITION "INTEGER_LITERAL";

modifyUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" (
"renameClause" [ SET "setUkPkPropertiesAndReferencesColumnsClauses" ] | SET
"setUkPkPropertiesAndReferencesColumnsClauses" );

modifyFkClause = FOREIGN_KEY "QUOTED_STRING" ( "renameClause" [ SET
"setFkSubClauses" ] | SET "setFkSubClauses" );

modifyCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" (
"renameClause" [ SET "setPropertiesClause" ] | SET "setPropertiesClause" );

modifyIndexClause = INDEX "QUOTED_STRING" (
"renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |
SET "setSCOConfigurationPropertiesClauses" );

```

```
modifyPartitionClause = PARTITION "QUOTED_STRING" (  
  "renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |  
  SET "setSCOConfigurationPropertiesClauses" );  
  
modifyPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" (  
  "renameSCOConfigurationClause" [ SET "setSCOConfigurationPropertiesClauses" ] |  
  SET "setSCOConfigurationPropertiesClauses" );  
  
modifyIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX  
  "QUOTED_STRING" ( "renameSCOConfigurationClause" [ SET  
    "setSCOConfigurationPropertiesClauses" ] | SET  
    "setSCOConfigurationPropertiesClauses" );  
  
setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (  
  REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )  
  "constraintColumnReferencesClause";  
  
setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )  
  "setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";  
  
setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" " )"  
  VALUES "( " "propertyValueList" " )";  
  
renameSCOConfigurationClause = RENAME TO "QUOTED_STRING";  
  
constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" " )";  
  
setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |  
  REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [  
  SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];  
  
quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };  
  
constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_  
  STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];
```

Keywords and Parameters

alterViewCommand

This clause alters a view.

QUOTED_STRING

name of the view.

renameClause

renames a table with a different name.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints.

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for VIEW:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

alterViewSCOClauses

This clause alters the view clause.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addColumnClauseForAlter

This clause adds a column at a particular position

QUOTED_STRING

The column name.

addConstraintClause

Adds primary and unique key, and add check constraints.

alterViewConstraintClauses

This clause alters the view's constraint clause.

addConfigurationClause

This clause will add configuration objects.

alterViewConfigurationClauses

This clause alters the view's configuration clause.

modifyColumnClause

This clause renames, set properties, and move columns.

modifyConstraintClause

This clause modifies keys and check constraints

modifyConfigurationClause

This clause will modify configuration objects.

deleteColumnClause

This clause deletes a column.

deleteConstraintClause

This clause deletes a key or check constraint.

`deleteConfigurationClause`

This clause deletes a configuration object.

`QUOTED_STRING`

Either index, partition, partition_key, or index column name.

`propertyValue`

This clause adds the property values.

`addUkPkClause`

This clause adds the adds unique key and primary keys.

`QUOTED_STRING`

name of the unique key or primary key.

`addFkClause`

This clause adds foreign key

`QUOTED_STRING`

Name of the foreign key.

`addCheckConstraintClause`

add a check constraint.

`QUOTED_STRING`

Name of the CheckConstraint.

`addViewConstraintClause`

This clause adds the view's configuration clause.

`modifyViewConstraintClause`

= This clause modifies the view's constraint clause.

`deleteViewConstraintClause`

This clause deletes the view's constraint.

addIndexClause

This clause adds an index.

QUOTED_STRING

Name of the index.

addPartitionClause

This clause adds a partition.

QUOTED_STRING

Name of the partition.

addPartitionKeyClause

This clause adds a partition key.

QUOTED_STRING

Name of the partition key. This should be a column identifier.

addIndexColumnClause

This clause will add indexColumn to a specified index.

QUOTED_STRING

Index name

moveToClause

This clause will move the column to given position.

modifyUkPkClause

It modifies unique or primary key.

modifyFkClause

This clause modifies the foreign key.

modifyCheckConstraintClause

This clause modifies the check constraint.

modifyIndexClause

This clause modifies the Index

QUOTED_STRING

Name of the index.

modifyPartitionClause

This clause modifies a partition

QUOTED_STRING

Name of the partition.

modifyPartitionKeyClause

This clause modifies a partition key.

QUOTED_STRING

Name of the partition key.

modifyIndexColumnClause

Modifies the Index Column. The first quoted_string in this clause denotes index column name, and the latter denotes index.

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE

RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

renameSCOConfigurationClause

This clause renames configuration objects.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primay key name, and the latter denotes the table's or view's name.

Examples

```
OMBALTER VIEW 'NEW_VIEW' SET PROPERTIES (DESCRIPTION, BUSINESS_
NAME) VALUES
```

('this is an altered desc of new view', 'Altered New View') This will alter a view named "NEW_VIEW", its description is "this is an altered desc of new view", and business name is "Altered New View".

See Also

OMBRETRIEVE VIEW, OMBCREATE VIEW, OMBDROP VIEW

OMBCREATE

This chapter contains the following topics:

OMBCREATE on page 4-2	OMBCREATE FLAT_FILE_MODULE on page 4-44	OMBCREATE PROCESS_FLOW on page 4-166
OMBCREATE ADVANCED_QUEUE on page 4-6	OMBCREATE FUNCTION on page 4-47	OMBCREATE PROCESS_FLOW_MODULE on page 4-175
OMBCREATE COLLECTION on page 4-10	OMBCREATE LOCATION on page 4-52	OMBCREATE PROCESS_FLOW_PACKAGE on page 4-178
OMBCREATE CONNECTOR on page 4-14	OMBCREATE MAPPING on page 4-55	OMBCREATE PROJECT on page 4-181
OMBCREATE CUBE_TABLE on page 4-17	OMBCREATE MATERIALIZED_VIEW on page 4-133	OMBCREATE RUNTIME_REPOSITORY_CONNECTION on page 4-184
OMBCREATE DEPLOYMENT_ACTION_PLAN on page 4-25	OMBCREATE OBJECT_TYPE on page 4-147	OMBCREATE SEQUENCE on page 4-187
OMBCREATE EXTERNAL_TABLE on page 4-28	OMBCREATE ORACLE_MODULE on page 4-150	OMBCREATE SNAPSHOT on page 4-190
OMBCREATE FLAT_FILE on page 4-36	OMBCREATE PACKAGE on page 4-159	OMBCREATE TABLE on page 4-195
OMBCREATE FLAT_FILE_MODULE on page 4-44	OMBCREATE PROCEDURE on page 4-162	OMBCREATE VIEW on page 4-210

OMBCREATE

Purpose

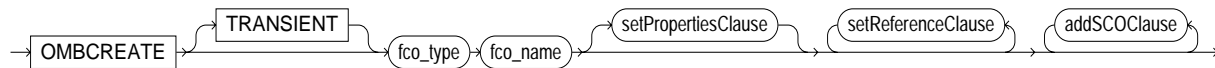
OMBCREATE - Create a new component.

Prerequisites

Should be in the context that stores the component type.

Syntax Diagrams

createCommand



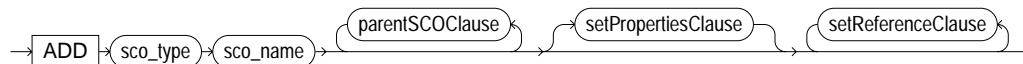
setPropertyClause



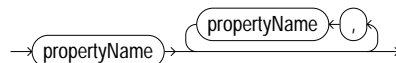
setReferenceClause



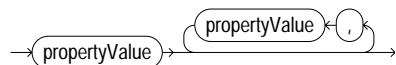
addSCOClause



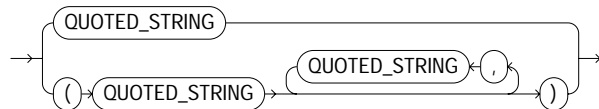
propertyNameList



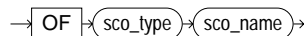
propertyValueList



quotedNameList



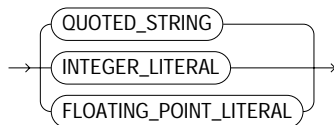
parentSCOClause



propertyName



propertyValue



Syntax

```

createCommand = OMBCREATE [ TRANSIENT ] "fco_type" "fco_name" [
  "setPropertiesClause" ] { "setReferenceClause" } { "addSCOClauses" };

setPropertiesClause = SET PROPERTIES "(" "propertyNameList" ")" VALUES "("
  "propertyValueList" ")";

setReferenceClause = SET ( REF | REFERENCE ) [ "qualifier" ] "type"
  "quotedNameList" [ { "parentSCOClauses" } ] OF "fco_type" "fco_name" ];

addSCOClauses = ADD "sco_type" "sco_name" { "parentSCOClauses" } [
  "setPropertiesClause" ] { "setReferenceClause" };

propertyNameList = "propertyName" { "," "propertyName" };

propertyValueList = "propertyValue" { "," "propertyValue" };

quotedNameList = "QUOTED_STRING" | "(" "QUOTED_STRING" { "," "QUOTED_
  STRING" } ")";

parentSCOClauses = OF "sco_type" "sco_name";

propertyName = "UNQUOTED_STRING";

propertyValue = "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
  POINT_LITERAL";
  
```

Keywords and Parameters

createCommand

Specify metadata for a new component.

TRANSIENT

Keyword used to specify that the object being created will not be persisted in the repository.

fco_type

The type of the component.

fco_name

The physical name of the component in single quotes.

setPropertiesClause

Set object properties.

setReferenceClause

Specify reference objects.

qualifier

Specify which reference to set, if there are more than one pointing to the same type.

addSCOClause

Add a new child object to the component.

propertyNameList

A list of property names.

propertyValueList

A list of property values.

quotedNameList

A list of single-quoted physical names.

parentSCOClause

Used to specify the path from a child object to the component

propertyName

An unquoted string representing the name of a property.

propertyValue

The value of a property.

Examples

This is an example for creating an empty table:

```
OMBCREATE TABLE 'T1' SET PROPERTIES (DESCRIPTION) VALUES ('My First Table')
```

The following statement creates a view with a column:

```
OMBCREATE VIEW 'V1'  
ADD COLUMN 'COL1'  
SET PROPERTIES (DATATYPE) VALUES ('VARCHAR2')
```

See Also

OMBALTER, OMBDROP

OMBCREATE ADVANCED_QUEUE

Purpose

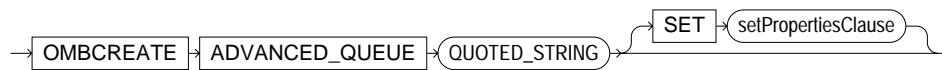
OMBCREATE ADVANCED_QUEUE - To create an Advanced Queue.

Prerequisites

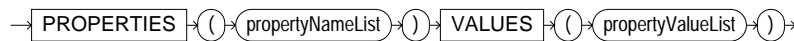
Should be in the context of an Oracle Module. The Object Type set as Payload Type should exist in the same Oracle Module.

Syntax Diagrams

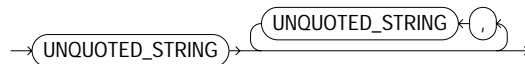
createAQCommand



setPropertiesClause



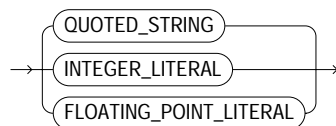
propertyNameList



propertyValueList



propertyValue



Syntax

```
createAQCommand = OMBCREATE ( ADVANCED_QUEUE "QUOTED_STRING" [
SET "setPropertiesClause" ] );
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" ")";
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createAQCommand

Creates an Advanced Queue with the given name.

setPropertyClause

Sets properties (core, logical, physical, user-defined) for Advanced Queue.

Valid properties are shown below:

Basic properties for ADVANCED_QUEUE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Advanced Queue

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Advanced Queue

Name: PAYLOAD_TYPE

Type: STRING(4000)

Valid Values: N/A

Default: "

PayLoad Type of the Advanced Queue. This has to be the name of an Object Type(OBJECT_TYPE) existing in the same Oracle Module.

Properties for ADVANCED_QUEUE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true.

Name: GENERATE_ADVANCED_QUEUE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the Advanced Queue.

Name: GENERATE_OBJECT_TYPE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate a script to create the Object Type.

Name: GENERATE_QUEUE_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate code to create the queue table that will persist the messages of this Advanced Queue.

Name: GENERATE_TEMPORARY_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the temporary table.

Name: QUEUE_TABLE_NAME

Type: STRING(30)

Valid Values: N/A

Default: "

The name of the queue table that is used to persist the messages in this Advanced Queue.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

The list of properties.

propertyValueList

The list of property values.

propertyValue

This clause adds the property values.

Examples

```
OMBCREATE ADVANCED_QUEUE 'NEW_ADVANCED_QUEUE' SET PROPERTIES  
(DESCRIPTION, PAYLOAD_TYPE) VALUES ('this is an Advanced Queue', 'SOME_  
OBJECT_TYPE') This will create an Advanced Queue named "NEW_ADVANCED_  
QUEUE", its description is "this is an Advanced Queue" and its Payload type is Object  
Type 'SOME_OBJECT_TYPE'.
```

See Also

```
OMBCREATE ADVANCED_QUEUE, OMBALTER ADVANCED_QUEUE, OMBDROP  
ADVANCED_QUEUE
```

OMBCREATE COLLECTION

Purpose

OMBCREATE COLLECTION - This is an arbitrary grouping mechanism in OWB. Any first class object can be added to the collection.

Prerequisites

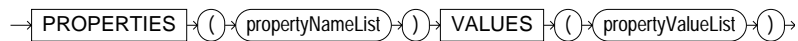
Should be in the context of a project, before creating a collection.

Syntax Diagrams

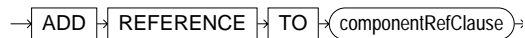
createCommand



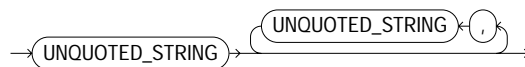
setPropertiesClause



addReferenceClause



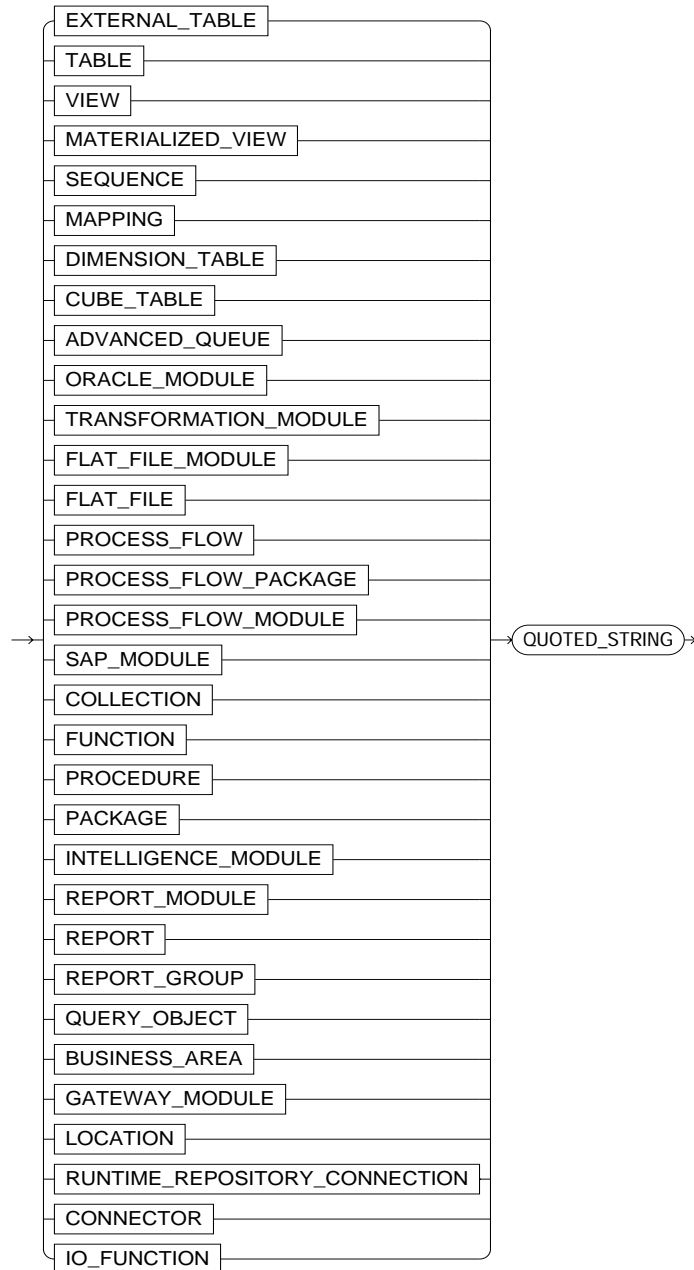
propertyNameList



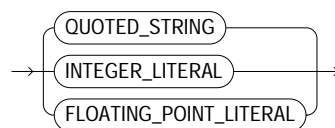
propertyValueList



componentRefClause



propertyValue



Syntax

```
createCollectionCommand = OMBCREATE ( COLLECTION "QUOTED_STRING" [
SET "setPropertiesClause" ] ( { "addReferenceClause" } ) );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
addReferenceClause = ADD REFERENCE TO "componentRefClause";  
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };  
propertyValueList = "propertyValue" { ",", "propertyValue" };  
componentRefClause = ( EXTERNAL_TABLE | TABLE | VIEW | MATERIALIZED_  
VIEW | SEQUENCE | MAPPING | DIMENSION_TABLE | CUBE_TABLE |  
ADVANCED_QUEUE | ORACLE_MODULE | TRANSFORMATION_MODULE |  
FLAT_FILE_MODULE | FLAT_FILE | PROCESS_FLOW | PROCESS_FLOW_  
PACKAGE | PROCESS_FLOW_MODULE | SAP_MODULE | COLLECTION |  
FUNCTION | PROCEDURE | PACKAGE | INTELLIGENCE_MODULE | REPORT_  
MODULE | REPORT | REPORT_GROUP | QUERY_OBJECT | BUSINESS_AREA |  
GATEWAY_MODULE | LOCATION | RUNTIME_REPOSITORY_CONNECTION |  
CONNECTOR | IO_FUNCTION ) "QUOTED_STRING";  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createCollectionCommand

Create a collection of objects.

setPropertyClause

Set values for a number of properties when creating the collection.

Basic properties for COLLECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the collection

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the collection

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

addReferenceClause

Add a reference to the collection.

propertyNameList

Comma separated list of property names to retrieve values. Property names are unquoted.

propertyValueList

Comma separated list of property values.

componentRefClause

Specify the type of the object to reference.

propertyValue

Value of property.

Examples

```
OMBCREATE COLLECTION 'PURCHASING_WAREHOUSE' ADD REFERENCE TO  
TABLE 'PURCHASING/ORDER' ADD REFERENCE TO TABLE  
'PURCHASING/CUSTOMER' OMBCREATE COLLECTION 'MY_FOLDERS' ADD  
REFERENCE TO ORACLE_MODULE 'PURCHASING' ADD REFERENCE TO  
ORACLE_MODULE 'HUMAN_RESOURCES'
```

See Also

OMBCREATE, OMBALTER COLLECTION, OMBDROP COLLECTION

OMBCREATE CONNECTOR

Purpose

OMBCREATE CONNECTOR - To create a connector.

Prerequisites

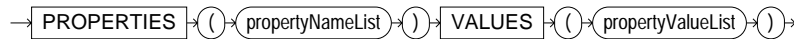
Should be in the context of a location.

Syntax Diagrams

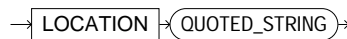
createConnectorCommand



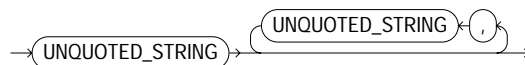
setPropertiesClause



setReferenceToLocationClause



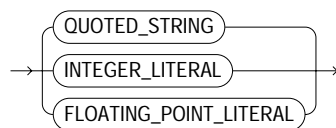
propertyNameList



propertyValueList



propertyValue



Syntax

```
createConnectorCommand = OMBCREATE ( CONNECTOR "QUOTED_STRING" [
SET "setPropertiesClause" ] [ SET ( REFERENCE | REF )
"setReferenceToLocationClause" ] );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
setReferenceToLocationClause = LOCATION "QUOTED_STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " ," "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

`createConnectorCommand`

Create a new connector.

`setPropertyClause`

Set specified properties of the connector.

`setReferenceToLocationClause`

Set the name of the location which the connector references.

`propertyNameList`

The names of the properties whose values you want to set.

Properties for CONNECTOR:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

`propertyValueList`

The values for the named properties.

`propertyValue`

A property value.

Examples

OMBCREATE CONNECTOR 'NEW_CONNECTOR' SET PROPERTIES
(DESCRIPTION, BUSINESS_NAME) VALUES ('this is a connector', 'connector') This
will create a connector named "NEW_CONNECTOR", its description is "this is a
connector", and business name is "connector".

OMBCREATE CONNECTOR 'NEW_CONNECTOR_2' SET REFERENCE LOCATION
'MY_LOCATION'

See Also

OMBCREATE, OMBALTER CONNECTOR, OMBDROP CONNECTOR

OMBCREATE CUBE_TABLE

Purpose

OMBCREATE CUBE_TABLE - This command creates a cube.

Prerequisites

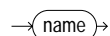
Should be in Oracle Module context.

Syntax Diagrams

OMBCreateCube



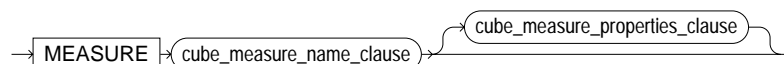
cube_name_clause



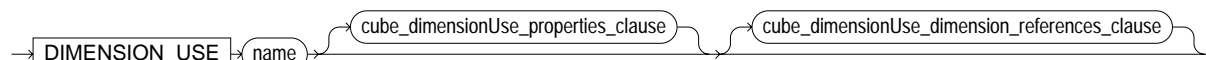
cube_properties_clause



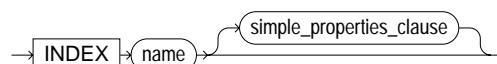
cube_addMeasure_clause



cube_addDimensionUse_clause



cube_addIndex_clause



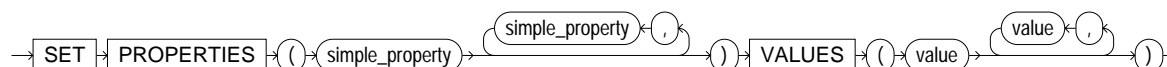
cube_addPartition_clause



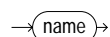
name



simple_properties_clause



cube_measure_name_clause



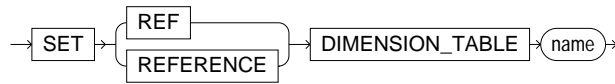
cube_measure_properties_clause



cube_dimensionUse_properties_clause



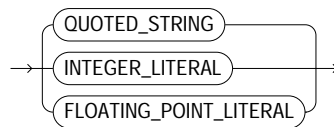
cube_dimensionUse_dimension_references_clause



simple_property



value



Syntax

```

OMBCreateCube = OMBCREATE CUBE_TABLE "cube_name_clause" [ "cube_
properties_clause" ] { ADD "cube_addMeasure_clause" } { ADD "cube_
addDimensionUse_clause" } { ADD "cube_addIndex_clause" } { ADD "cube_
addPartition_clause" };

cube_name_clause = "name";

cube_properties_clause = "simple_properties_clause";

cube_addMeasure_clause = MEASURE "cube_measure_name_clause" [ "cube_
measure_properties_clause" ];

cube_addDimensionUse_clause = DIMENSION_USE ( "name" [ "cube_
dimensionUse_properties_clause" ] [ "cube_dimensionUse_dimension_references_
clause" ] );

cube_addIndex_clause = INDEX "name" [ "simple_properties_clause" ];

cube_addPartition_clause = PARTITION "name" [ "simple_properties_clause" ];

name = ( "QUOTED_STRING" );

simple_properties_clause = SET PROPERTIES ( ( "simple_property" { "," "simple_
property" } " ) ) VALUES ( ( "value" { "," "value" } " ) );

cube_measure_name_clause = "name";

cube_measure_properties_clause = "simple_properties_clause";

cube_dimensionUse_properties_clause = "simple_properties_clause";

cube_dimensionUse_dimension_references_clause = SET ( REF | REFERENCE ) (
DIMENSION_TABLE "name" );

simple_property = "UNQUOTED_STRING";

value = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_POINT_
LITERAL" );
  
```


Keywords and Parameters

OMBCreateCube

This command creates cube_table.

cube_name_clause

The name of the cube_table to be created.

cube_properties_clause

This clause uses the simple properties.

cube_addMeasure_clause

This clause adds the measure name and its properties.

cube_addDimensionUse_clause

This clause adds the dimensionUse and its properties.

cube_addIndex_clause

This clause adds Index name and its properties.

cube_addPartition_clause

This clause adds partition and its properties.

name

The name has to be a quoted string or an integer, or a decimal number.

simple_properties_clause

Sets properties and their values.

Basic properties for TABLE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn

Properties for CUBE_TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT

Type: NUMBER

Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

cube_measure_name_clause

name of the measure.

cube_measure_properties_clause

alters simple properties of a measure.

cube_dimensionUse_properties_clause

alters simple properties of a dimensionUse.

cube_dimensionUse_dimension_references_clause

The dimensionUse references to the first level of the dimension.

simple_property

gets the simple property.

UNQUOTED_STRING

Name of the simple property.

value

The quoted string name

Examples

```
OMBCREATE CUBE_TABLE 'CUBE1' ADD MEASURE 'MEASURE_1' ADD
DIMENSION_USE 'CUBE1_DIM1' SET REF DIMENSION_TABLE 'DIM1'
```

See Also

OMBALTER CUBE_TABLE, OMBDROP CUBE_TABLE, OMBRETRIEVE CUBE_TABLE

OMBCREATE DEPLOYMENT_ACTION_PLAN

Purpose

OMBCREATE DEPLOYMENT_ACTION_PLAN - Create a deployment action plan.

Prerequisites

There must be a current working project.

Syntax Diagrams

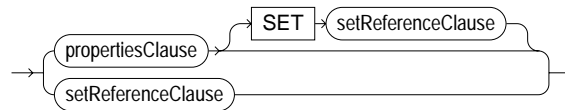
CreateActionPlanCommand



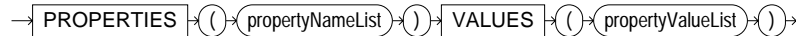
addActionCode



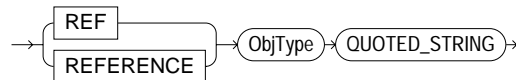
setClause



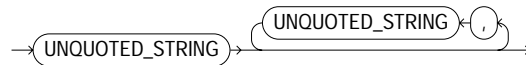
propertiesClause



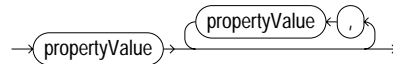
setReferenceClause



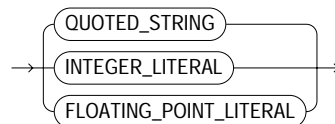
propertyNameList



propertyValueList



propertyValue



Syntax

```
CreateActionPlanCommand = ( OMBCREATE TRANSIENT ( DEPLOYMENT_
ACTION_PLAN ) "QUOTED_STRING" { "addActionCode" } );
```

```
addActionClause = ADD ACTION "QUOTED_STRING" [ SET "setClause" ];
setClause = ( "propertiesClause" [ SET "setReferenceClause" ] ) |
"setReferenceClause";
propertiesClause = PROPERTIES "( " "propertyNameList" " )" VALUES "( "
"propertyValueList" " )";
setReferenceClause = ( REF | REFERENCE ) "ObjType" "QUOTED_STRING";
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
propertyValueList = "propertyValue" { " , " "propertyValue" };
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

CreateActionPlanCommand

Create a deployment action plan.

QUOTED_STRING

Name of the action plan in a single-quoted string. It is case-insensitive.

Must be unique within a project.

addActionClause

Add an action to an action plan.

QUOTED_STRING

Name of the action in a single-quoted string. It is case-insensitive. Must be unique within an action plan.

setClause

Set the properties of an action and/or associate an object with an action.

propertiesClause

Associate a set of properties with an action.

PROPERTIES

The only valid property is OPERATION, which specifies the type of action to be taken.

setReferenceClause

Associate an object with an action.

ObjType

Object type. Valid values are ADVANCED_QUEUE, CUBE_TABLE, DIMENSION_TABLE,

EXTERNAL_TABLE, CONNECTOR, FUNCTION, MAPPING, MATERIALIZED_VIEW, PROCEDURE,

PROCESS_FLOW_PACKAGE, SEQUENCE, TABLE, and VIEW.

QUOTED_STRING

Absolute or relative path name of an object (e.g. '/MY_PROJECT/MODULE_X/TABLE_Y').

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property. Valid values for OPERATION are DROP and CREATE.

Examples

```
OMBCREATE TRANSIENT DEPLOYMENT_ACTION_PLAN 'MY_PLAN'
```

```
OMBCREATE TRANSIENT DEPLOYMENT_ACTION_PLAN 'MY_PLAN' ADD  
ACTION 'DUMMY'
```

```
OMBCREATE TRANSIENT DEPLOYMENT_ACTION_PLAN 'MY_PLAN'  
ADD ACTION 'MY_TABLE_DEPLOY' SET PROPERTIES (OPERATION) VALUES  
( 'DROP' )
```

```
SET REFERENCE TABLE '/MY_PROJECT/MY_MODULE/MY_TABLE'  
ADD ACTION 'MY_VIEW_CREATE' SET PROPERTIES (OPERATION) VALUES  
( 'CREATE' )
```

```
SET REFERENCE VIEW 'MY_MODULE/MY_VIEW'
```

See Also

OMBDEPLOY

OMBCREATE EXTERNAL_TABLE

Purpose

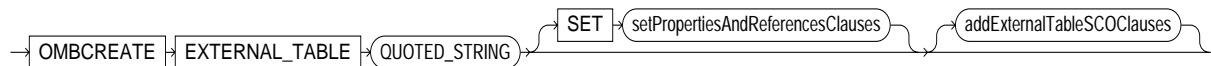
OMBCREATE EXTERNAL_TABLE - To create an external table.

Prerequisites

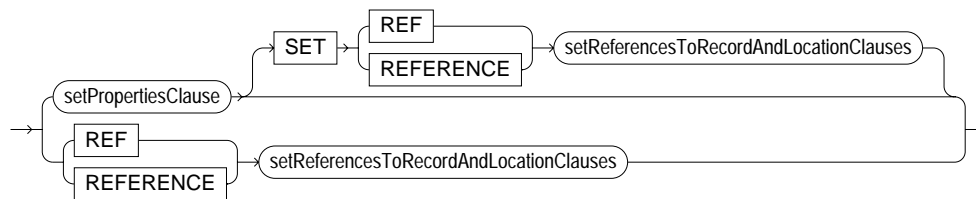
Should be in the context of an Oracle Module.

Syntax Diagrams

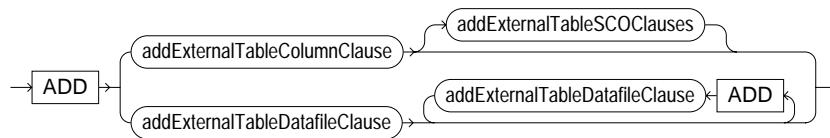
createExternalTableCommand



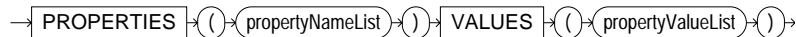
setPropertiesAndReferencesClauses



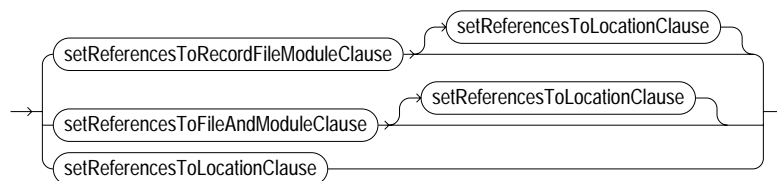
addExternalTableSCOClauses



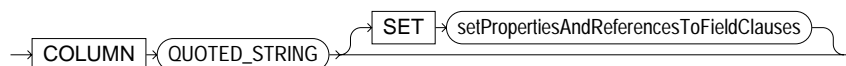
setPropertiesClause



setReferencesToRecordAndLocationClauses



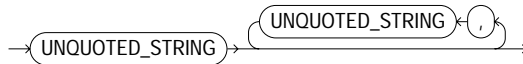
addExternalTableColumnClause



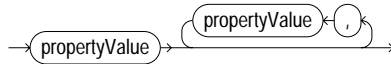
addExternalTableDatafileClause



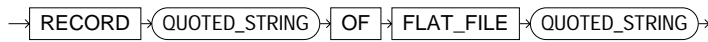
propertyNameList



propertyValueList



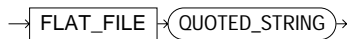
setReferencesToRecordFileModuleClause



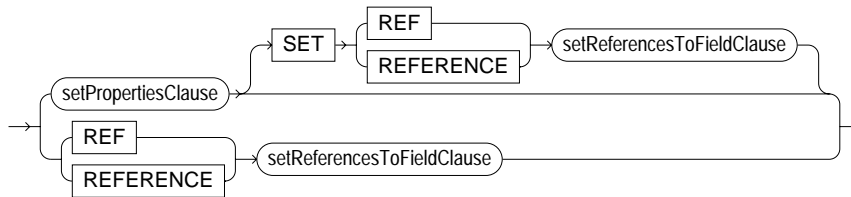
setReferencesToLocationClause



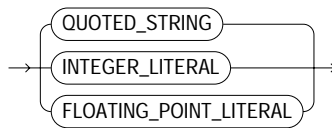
setReferencesToFileAndModuleClause



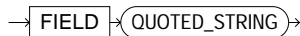
setPropertiesAndReferencesToFieldClauses



propertyValue



setReferencesToFieldClause



Syntax

```
createExternalTableCommand = OMBCREATE ( EXTERNAL_TABLE "QUOTED_
STRING" [ SET "setPropertiesAndReferencesClauses" ] [
"addExternalTableSCOClauses" ] );
```

```
setPropertiesAndReferencesClauses = "setPropertiesClause" [ SET ( REF |
REFERENCE ) "setReferencesToRecordAndLocationClauses" ] | ( REF | REFERENCE
) "setReferencesToRecordAndLocationClauses";
```

```
addExternalTableSCOClauses = ADD ( "addExternalTableColumnClause" [
"addExternalTableSCOClauses" ] | "addExternalTableDatafileClause" { ADD
"addExternalTableDatafileClause" } );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
setReferencesToRecordAndLocationClauses =
"setReferencesToRecordFileModuleClause" [ "setReferencesToLocationClause" ] |
```

```
"setReferencesToFileAndModuleClause" [ "setReferencesToLocationClause" ] |  
"setReferencesToLocationClause";  
  
addExternalTableColumnClause = COLUMN "QUOTED_STRING" [ SET  
"setPropertiesAndReferencesToFieldClauses" ];  
  
addExternalTableDatafileClause = DATA_FILE "QUOTED_STRING" [ SET  
"setPropertiesClause" ];  
  
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };  
propertyValueList = "propertyValue" { ",", "propertyValue" };  
  
setReferencesToRecordFileModuleClause = RECORD "QUOTED_STRING" OF  
FLAT_FILE "QUOTED_STRING";  
  
setReferencesToLocationClause = DEFAULT_LOCATION "QUOTED_STRING";  
setReferencesToFileAndModuleClause = FLAT_FILE "QUOTED_STRING";  
  
setPropertiesAndReferencesToFieldClauses = "setPropertiesClause" [ SET ( REF |  
REFERENCE ) "setReferencesToFieldClause" ] | ( REF | REFERENCE )  
"setReferencesToFieldClause";  
  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );  
  
setReferencesToFieldClause = FIELD "QUOTED_STRING";
```

Keywords and Parameters

createExternalTableCommand

Create a new external table.

QUOTED_STRING

The name of the new external table.

setPropertiesAndReferencesClauses

Set the properties and/or flat file reference of the external table.

addExternalTableSCOClauses

Add columns and/or data files to the external table.

setPropertiesClause

Set specified properties of the external table.

setReferencesToRecordAndLocationClauses

Set the referenced record and/or default location.

addExternalTableColumnClause

Add an external table column.

addExternalTableDatafileClause

Add a data file to the external table.

propertyNameList

The names of the properties whose values you want to set.

Properties for EXTERNAL_TABLE:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

When deployable is set to true, a script to create an External Table is generated.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: ENDIAN

Type: STRING

Valid Values: BIG, LITTLE, PLATFORM

Default: PLATFORM

Data endian should be platform default, little or big. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOAD_NULLS_WHEN_MISSING_VALUES

Type: BOOLEAN

Valid Values: true, false

Default: false

If TRUE, then NULLs are loaded for any missing values in the record. If FALSE, then records with missing values are rejected. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: NUMBER_OF_REJECTS_ALLOWED

Type: NUMBER

Valid Values: 0 - 2147483647

Default: 0

The number of rejects allowed before processing is terminated.

Name: PARALLEL_ACCESS_DRIVERS

Type: NUMBER

Valid Values: 1 - 63999

Default: 1

The number of parallel access drivers to enable.

Name: PARALLEL_ACCESS_MODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Enable or disable parallel processing.

Name: REJECTS_ARE_UNLIMITED

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable or disable limiting the number of rejected records.

Name: STRING_SIZES_IN

Type: STRING

Valid Values: CHARACTERS, BYTES

Default: BYTES

String sizes are in bytes or characters. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: TRIM

Type: STRING

Valid Values: LEFT, NONE, SQL*LOADER, BOTH, RIGHT

Default: NONE

Specification from trim option on input fields. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Properties for DATA_FILE:

Name: DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

The location of this data file for the external table.

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name of this data file.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyValueList

The values for the named properties.

setReferencesToRecordFileModuleClause

Specify the record and full path to the flat file for the external table to reference.

setReferencesToLocationClause

The name of the external table's default location.

setReferencesToFileAndModuleClause

Specify the full path to the flat file for the external table to reference.

setPropertyAndReferencesToFieldClauses

Set the properties and/or field reference of the external table column.

propertyValue

A property value.

setReferencesToFieldClause

Set the name of the field which the external table column references.

Examples

OMBCREATE EXTERNAL_TABLE 'SRC_TABLE' SET REFERENCE RECORD 'REC_1' OF FLAT_FILE '../SRC_FILES/FILE_1' This will create an external table named "SRC_TABLE" based upon the record "REC_1" of flat file "FILE_1" of flat file module "SRC_FILES". ombcreate_external_table\$createExternalTableCommand =

See Also

OMBCREATE, OMBALTER EXTERNAL_TABLE, OMBDROP EXTERNAL_TABLE

OMBCREATE FLAT_FILE

Purpose

OMBCREATE FLAT_FILE - To create a flat file.

Prerequisites

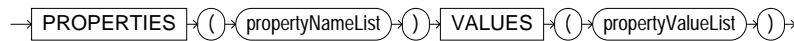
Should be in the context of a flat file module.

Syntax Diagrams

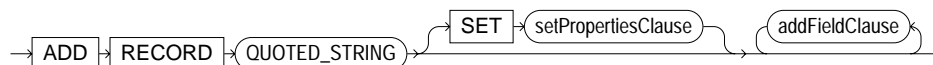
createFlatFileCommand



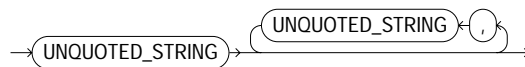
setPropertiesClause



addRecordClause



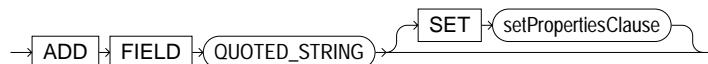
propertyNameList



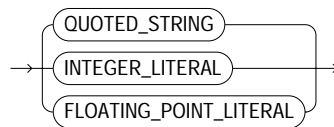
propertyValueList



addFieldClause



propertyValue



Syntax

```
createFlatFileCommand = OMBCREATE ( FLAT_FILE "QUOTED_STRING" [ SET
"setPropertiesClause" ] { "addRecordClause" } );
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" ")";
```

```
addRecordClause = ADD ( RECORD "QUOTED_STRING" [ SET
"setPropertiesClause" ] { "addFieldClause" } );
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```

propertyValueList = "propertyValue" { "," "propertyValue" };
addFieldClause = ADD FIELD "QUOTED_STRING" [ SET "setPropertiesClause" ];
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

```

Keywords and Parameters

createFlatFileCommand

Create a new flat file object.

QUOTED_STRING

The name of the new flat file.

setPropertiesClause

Set the properties of the flat file, record, or field.

addRecordClause

Add a record to the flat file.

QUOTED_STRING

The name of the new record.

propertyNameList

The names of the properties whose values you want to set.

Properties for FLAT_FILE:

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default "

The name of the "sampled" file. Also the default data file value used in SQL*Loader maps and External Tables.

Name: IS_DELIMITED

Type: BOOLEAN

Valid Values: true, false, 1, 0

Default: true

True indicates that this flat file is delimited. False indicates that its fields are defined by fixed lengths

Name: CHARACTERSET

Type: STRING

Valid Values:

AL24UTFFSS,AR8ARABICMAC,AR8ARABICMACS,AR8ISO8859P6,AR8MSAWIN,A
R8MSWIN1256,BLT8CP921,BLT8EBCDIC1112,BLT8MSWIN1257,BLT8PC775,CDN8PC
863,CL8EBCDIC1025,CL8EBCDIC1025X,CL8ISO8859P5,CL8KOI8R,CL8MACCYRILLI
C,CL8MACCYRILLICS,CL8MSWIN1251,D8EBCDIC273,DK8EBCDIC277,EE8EBCDIC
870,EE8ISO8859P2,EE8MACCE,EE8MACCES,EE8MACCROATIAN,EE8MACCROATI
ANS,EE8MSWIN1250,EE8PC852,EL8EBCDIC875,EL8ISO8859P7,EL8MACGREEK,EL8
MACGREEKS,EL8MSWIN1253,EL8PC437S,EL8PC737,EL8PC869,F8EBCDIC297,I8EBC
DIC280,IS8MACICELANDIC,IS8MACICELANDICS,IS8PC861,IW8EBCDIC424,IW8IS
O8859P8,IW8MACHEBREW,IW8MACHEBREWS,IW8MSWIN1255,JA16EBCDIC930,J
A16EUC,JA16EUCYEN,JA16MACSJIS,JA16SJIS,JA16SJISYEN,JA16VMS,KO16KSC560
1,LT8MSWIN921,N8PC865,NEE8ISO8859P4,RU8PC855,RU8PC866,S8EBCDIC278,SE8I
SO8859P3,TH8MACTHAI,TH8MACTHAIS,TH8TISASCII,TR8EBCDIC1026,TR8MAC
TURKISH,TR8MACTURKISHS,TR8MSWIN1254,TR8PC857,US7ASCII,US8PC437,UTF
8,WE8EBCDIC284,WE8EBCDIC285,WE8EBCDIC37,WE8EBCDIC37C,WE8EBCDIC500
,WE8EBCDIC500C,WE8EBCDIC871,WE8ISO8859P1,WE8ISO8859P9,WE8MACROMA
N8,WE8MACROMAN8S,WE8MSWIN1252,WE8PC850,WE8PC860,ZHS16CGB231280,
ZHS16GBK,ZHS16MACCGB231280,ZHT16BIG5,ZHT16MSWIN950,ZHT32EUC
Default: WE8MSWIN1252 The character set of the data file.

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: "

The character(s) which denote the end of a physical record in a data file. (Please note that this is not the FIELD_DELIMITER.

Name: RECORD_LENGTH

Type: NUMBER

Valid Values: 0+

Default: 0 (Records are delimited by default)

The length (in characters) of the records in the data file.

Name: RECORD_TYPE_COLUMN_NUMBER

Type: NUMBER

Valid Values: 0+

Default: 1

The column which contains the record type values for a delimited, multi-record type file.

Name: RECORD_TYPE_START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: RECORD_TYPE_END_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The ending position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: NUMBER_OF_RECORDS_TO_SKIP

Type: NUMBER

Valid Values: 0 - 1000

Default: 0

The default number of records to skip when loading this file.

Name: FIELD_DELIMITER

Type: STRING

Valid Values: Any single character

Default: ',' (Comma)

The character to divide the fields in a delimited file.

Name: FIELD_LEFT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: FIELD_RIGHT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: NUMBER_OF_PHYSICAL_RECORDS_PER_LOGICAL

Type: Number

Valid Values: 0+

Default: 0

Set this value if you wish to concatenate a fixed number of physical records to form a single logical record.

Name: CONTINUE_IF_ENDS_WITH

Type: STRING

Valid Values: Any single character

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records ending with this character.

Name: CONTINUE_IF_STARTS_WITH

Type: STRING

Valid Values: N/A

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records beginning with this character.

Properties for RECORD:

Name: RECORD_TYPE_VALUE

Type: STRING

Valid Values: N/A

Default: None

This is a mandatory property for each record of a multi-record type file. It is the string which will identify this record type in the data file.

Properties for FIELD:

Name: DATATYPE

Type: STRING

Valid Values: CHAR, DATE, DECIMAL EXTERNAL, FLOAT EXTERNAL, INTEGER EXTERNAL, ZONED EXTERNAL, ZONED Default: CHAR This is the SQL*Loader data type for the field.

Name: LENGTH

Type: NUMBER

Valid Values: 1+

Default: 1

This is the length of the field in a fixed length file. This is the max length of the field in a delimited file.

Name: PRECISION

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Precision of the field.

Name SCALE

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Scale of the field

Name: START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of a field for a fixed length file.

Name: SQL_DATATYPE

Type: STRING

Valid Values: CHAR, DATE, FLOAT, NUMBER, VARCHAR, VARCHAR2, DEFAULT

Default: DEFAULT. This will derive the SQL_DATATYPE from the value of DATATYPE. The data type which the field will be treated as in mapping and for External Tables.

Name: SQL_LENGTH

Type: NUMBER

Valid Values: for 'CHAR' : 1 - 2000 for 'VARCHAR' and 'VARCHAR2' : 1 - 4000 Default: Depends on Sql data type.

Name: SQL_PRECISION

Type: NUMBER

Valid Values: 1 - 38

Default: 1

Name: SQL_SCALE

Type: NUMBER

Valid Values: -84 - 127

Default: 0

Name: MASK

Type: STRING

Valid Values: N/A

Default: None

This is the mask used to define the format of DATE fields in the data file.

Name: NULL_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be NULL.

Name: DEFAULT_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be either NULL or 0, dependent on data type.

propertyValueList

The values for the named properties.

addFieldClause

Add a field to the record.

QUOTED_STRING

The name of the new field.

propertyValue

A property value.

Examples

```
OMBCREATE FLAT_FILE 'SRC_FILE' \
  SET PROPERTIES (DATA_FILE_NAME, FIELD_DELIMITER, FIELD_LEFT_
ENCLOSURE, FIELD_RIGHT_ENCLOSURE, RECORD_TYPE_COLUMN_NUMBER)
\ VALUES ('src_data.dat', '|', '{', '}', 1) \ ADD RECORD 'REC1' \ SET PROPERTIES
(RECORD_TYPE_VALUE) VALUES ('E') \ ADD FIELD 'F1' \ SET PROPERTIES
(DATATYPE, MASK) VALUES ('DATE', 'dd-mon-yyyy') \ ADD FIELD 'F2' \ ADD
RECORD 'REC2' \ SET PROPERTIES (RECORD_TYPE_VALUE) VALUES ('P') \
ADD FIELD 'F1' \ ADD FIELD 'F2' \ ADD FIELD 'F3' This will create a flat file
named "SRC_FILE" with multiple record types.
```

See Also

OMBCREATE, OMBALTER FLAT_FILE, OMBDROP FLAT_FILE

OMBCREATE FLAT_FILE_MODULE

Purpose

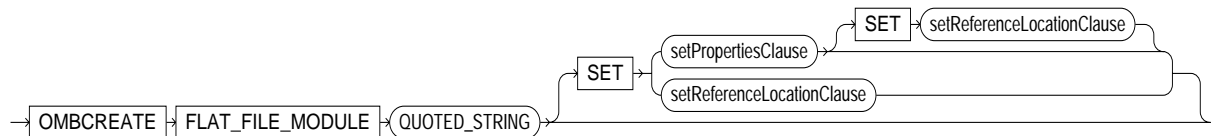
OMBCREATE FLAT_FILE_MODULE - To create a flat file module.

Prerequisites

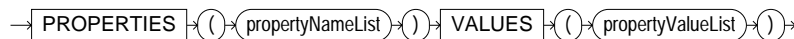
Should be in the context of project.

Syntax Diagrams

createFlatFileModuleCommand



setPropertiesClause



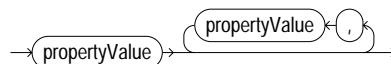
setReferenceLocationClause



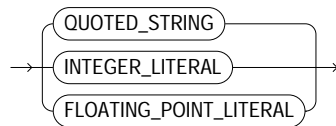
propertyNameList



propertyValueList



propertyValue



Syntax

```
createFlatFileModuleCommand = OMBCREATE ( FLAT_FILE_MODULE "QUOTED_
STRING" [ SET ( "setPropertiesClause" [ SET "setReferenceLocationClause" ] |
"setReferenceLocationClause" ) ] );
```

```
setPropertiesClause = PROPERTIES ( ( "propertyNameList" ) ) VALUES ( (
"propertyValueList" ) );
```

```
setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { "," "propertyValue" };  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createFlatFileModuleCommand

Create a new flat file module.

QUOTED_STRING

The name for the new flat file module.

setPropertyClause

Set specified properties of the new flat file module.

setReferenceLocationClause

Set the location for the new flat file module to the location specified by the quoted string.

propertyNameList

The names of the properties whose values you want to set.

Basic properties for FLAT_FILE_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of the flat file module.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the flat file module.

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UUID of the flat file module.

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

OMBCREATE FLAT_FILE_MODULE 'src_module' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a flat file module', 'source module') This will create a flat file module named "src_module", its description is "this is a flat file module", and business name is "source module".

See Also

OMBCREATE, OMBALTER FLAT_FILE_MODULE, OMBDROP FLAT_FILE_MODULE

OMBCREATE FUNCTION

Purpose

OMBCREATE FUNCTION - To create a Function.

Prerequisites

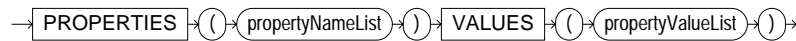
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

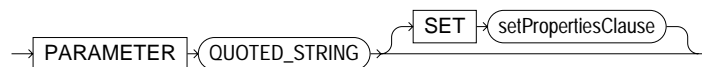
createFunctionCommand



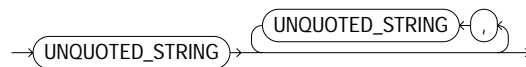
setPropertiesClause



addFuncProcParameterClause



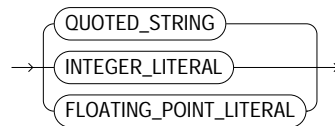
propertyNameList



propertyValueList



propertyValue



Syntax

```
createFunctionCommand = OMBCREATE ( FUNCTION "QUOTED_STRING" [ SET
"setPropertiesClause" ] { ADD "addFuncProcParameterClause" } );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
addFuncProcParameterClause = PARAMETER "QUOTED_STRING" [ SET
"setPropertiesClause" ];
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " , " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createFunctionCommand

This command creates a Function

QUOTED_STRING

Name of the Function to be created.

setPropertiesClause

Used to set properties (core, user-defined) for function. Valid properties are shown below:

Basic properties for FUNCTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Function

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Function

Name: RETURN_TYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the Return Type for Function

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Function which is included global variable declaration and code between BEGIN and END.

Name: IS_DETERMINISTIC

Type: BOOLEAN

Valid Values: true, false

Default: false

This setting helps the optimizer avoid redundant function calls.

Name: IS_PARALLEL_ENABLE

Type: BOOLEAN

Valid Values: true, false

Default: false

This option sets flag to a stored function can be used safely in the slave sessions of parallel DML evaluations.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for FUNCTION:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

addFuncProcParameterClause

Adds one or more Parameters to this Function.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBCREATE FUNCTION 'func' SET PROPERTIES (DESCRIPTION, BUSINESS_
NAME, RETURN_TYPE, IMPLEMENTATION, IS_DETERMINISTIC, IS_PARALLEL_
ENABLE) VALUES ('this is a Function', 'function', 'NUMBER', 'BEGIN RETURN 1
END func \;', 'true', 'true') ADD PARAMETER 'PARAM_1' SET PROPERTIES
(DESCRIPTION, BUSINESS_NAME, IN_OUT, DATATYPE, DEFAULT_VALUE)
VALUES ('param_1', 'this is a param_1', 'IN', 'VARCHAR2', 'this is a Varchar2') ADD
PARAMETER 'PARAM_2' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME, IN_
OUT, DATATYPE, DEFAULT_VALUE) VALUES ('param_2', 'this is a param_
2', 'INOUT', 'DATE', 'this is a Date') This will create a Function named "func", its
description is "this is a Function", and business name is "function", return datatype
NUMBER, and body of function as 'BEGIN RETURN 1 END func;'. It creates two
parameters 'PARAM_1' and 'PARAM_2'
```

See Also

OMBCREATE, OMBALTER FUNCTION, OMBDROP FUNCTION

OMBCREATE LOCATION

Purpose

OMBCREATE LOCATION - To create a location.

Prerequisites

Should be in the context of a project.

Syntax Diagrams

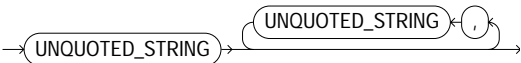
createLocationCommand



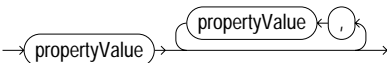
createLocationSetPropertiesClause



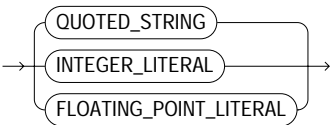
propertyNameList



propertyValueList



propertyValue



Syntax

```
createLocationCommand = OMBCREATE ( LOCATION "QUOTED_STRING"  
                                "createLocationSetPropertiesClause" );  
  
createLocationSetPropertiesClause = SET PROPERTIES "( " "propertyNameList" ")"  
                                VALUES "( " "propertyValueList" )";  
  
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };  
propertyValueList = "propertyValue" { " , " "propertyValue" };  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createLocationCommand

Create a new location.

createLocationSetPropertiesClause

Set specified properties of the new location.

propertyNameList

The names of the properties whose values you want to set.

Properties for LOCATION:

Name: TYPE

Type: STRING

Valid Values: 'Oracle Gateway', 'File System', 'Oracle Database', 'OEM Agent', 'Oracle Workflow', 'SAP' Default: N/A The type of system the location represents.

Name: VERSION

Type: STRING

Valid Values:

for 'Oracle Gateway' : '0'

for 'File System' : '0'

for 'Oracle Database' : '9.2','9.0','8.1','8.0','7.3.4'

for 'OEM Agent' : '9.2','9.0'

for 'Oracle Workflow' : '2.6'

for 'SAP' : '4.x','3.x'

Default: N/A

The version of the system(s) the location represents.

Basic properties for LOCATION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the location.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the location.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

OMBCREATE LOCATION 'MY_LOCATION' SET PROPERTIES (TYPE, VERSION, DESCRIPTION, BUSINESS_NAME) VALUES ('Oracle Database', '9.2', 'this is a location', 'location') This will create a location named "MY_LOCATION". Its type is "Oracle Database", version is "9.2", description is "this is a location", and business name is "location".

See Also

OMBCREATE, OMBALTER LOCATION, OMBDROP LOCATION

OMBCREATE MAPPING

Purpose

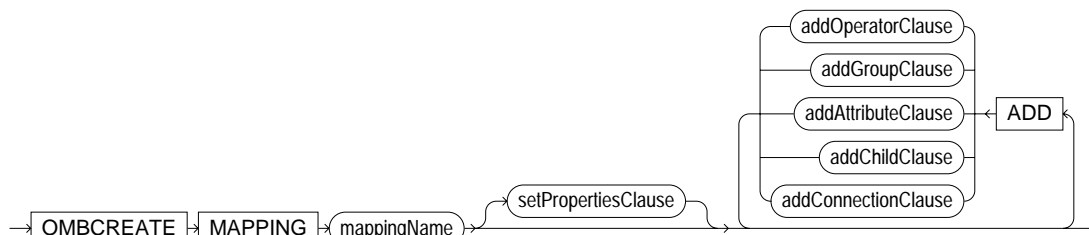
OMBCREATE MAPPING - Create a mapping in an Oracle Module.

Prerequisites

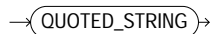
1. The current context of scripting must be an Oracle Module.
2. No concurrent user should be locking the Oracle Module or any of its ancestors exclusively at the moment the map is being created.
3. The map name must not conflict with existing map names and the maps names that concurrent user tries to use.

Syntax Diagrams

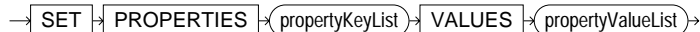
createMappingCommand



mappingName



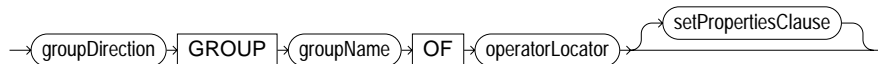
setPropertiesClause



addOperatorClause



addGroupClause



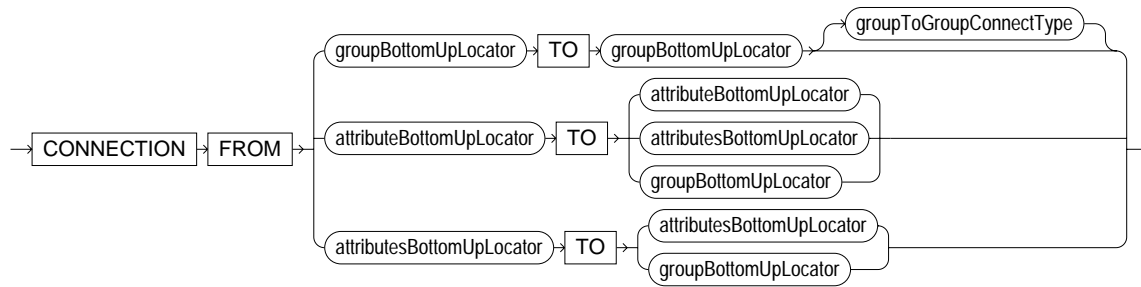
addAttributeClause



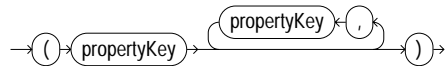
addChildClause



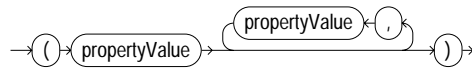
addConnectionClause



propertyKeyList



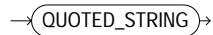
propertyValueList



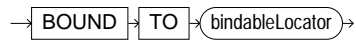
operatorType



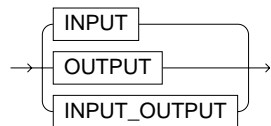
operatorName



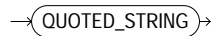
setBindingClause



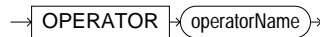
groupDirection



groupName



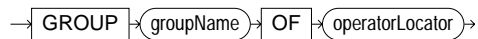
operatorLocator



attributeName



groupBottomUpLocator



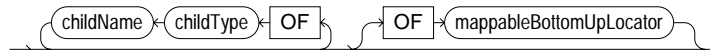
childType



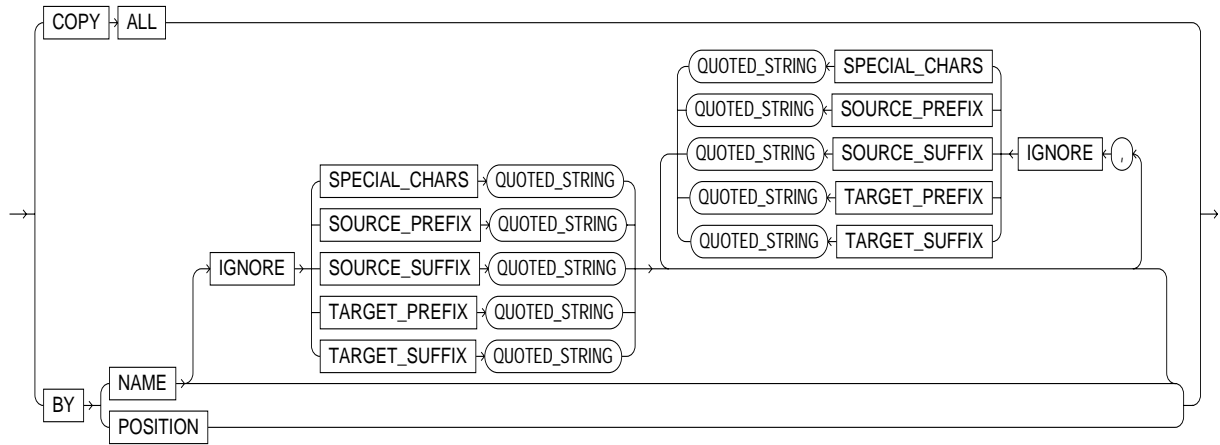
childName



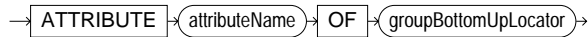
childOwnerBottomUpLocator



groupToGroupConnectType



attributeBottomUpLocator



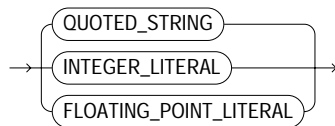
attributesBottomUpLocator



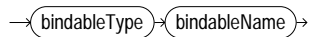
propertyKey



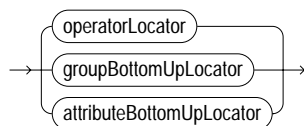
propertyValue



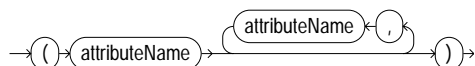
bindableLocator



mappableBottomUpLocator



attributeNameList



bindableType

→(UNQUOTED_STRING)→

bindableName

→(QUOTED_STRING)→

Syntax

```
createMappingCommand = OMBCREATE MAPPING "mappingName" [
  "setPropertiesClause" ] { ADD ( "addOperatorClause" | "addGroupClause" |
  "addAttributeClause" | "addChildClause" | "addConnectionClause" ) };

mappingName = "QUOTED_STRING";

setPropertiesClause = SET PROPERTIES "propertyKeyList" VALUES
  "propertyValueList";

addOperatorClause = "operatorType" OPERATOR "operatorName" [
  "setPropertiesClause" ] [ "setBindingClause" ];

addGroupClause = "groupDirection" GROUP "groupName" OF "operatorLocator" [
  "setPropertiesClause" ];

addAttributeClause = ATTRIBUTE "attributeName" OF "groupBottomUpLocator" [
  "setPropertiesClause" ];

addChildClause = "childType" "childName" "childOwnerBottomUpLocator" [
  "setPropertiesClause" ];

addConnectionClause = CONNECTION FROM ( "groupBottomUpLocator" TO
  "groupBottomUpLocator" [ "groupToGroupConnectType" ] |
  "attributeBottomUpLocator" TO ( "attributeBottomUpLocator" |
  "attributesBottomUpLocator" | "groupBottomUpLocator" ) |
  "attributesBottomUpLocator" TO ( "attributesBottomUpLocator" |
  "groupBottomUpLocator" ) );

propertyKeyList = "( " "propertyKey" { " , " "propertyKey" } " )";
propertyValueList = "( " "propertyValue" { " , " "propertyValue" } " )";
operatorType = "UNQUOTED_STRING";
operatorName = "QUOTED_STRING";
setBindingClause = BOUND TO "bindableLocator";
groupDirection = INPUT | OUTPUT | INPUT_OUTPUT;
groupName = "QUOTED_STRING";
operatorLocator = OPERATOR "operatorName";
attributeName = "QUOTED_STRING";
groupBottomUpLocator = GROUP "groupName" OF "operatorLocator";
childType = "UNQUOTED_STRING";
childName = "QUOTED_STRING";
childOwnerBottomUpLocator = { OF "childType" "childName" } [ OF
  "mappableBottomUpLocator" ];
groupToGroupConnectType = COPY ALL | BY ( NAME [ IGNORE ( SPECIAL_
  CHARS "QUOTED_STRING" | SOURCE_PREFIX "QUOTED_STRING" | SOURCE_
```



```

SUFFIX "QUOTED_STRING" | TARGET_PREFIX "QUOTED_STRING" | TARGET_
SUFFIX "QUOTED_STRING" ) { ",", IGNORE ( SPECIAL_CHARS "QUOTED_
STRING" | SOURCE_PREFIX "QUOTED_STRING" | SOURCE_SUFFIX "QUOTED_
STRING" | TARGET_PREFIX "QUOTED_STRING" | TARGET_SUFFIX "QUOTED_
STRING" ) } | POSITION );

attributeBottomUpLocator = ATTRIBUTE "attributeName" OF
"groupBottomUpLocator";

attributesBottomUpLocator = ATTRIBUTES "attributeNameList" OF
"groupBottomUpLocator";

propertyKey = "UNQUOTED_STRING";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

bindableLocator = "bindableType" "bindableName";

mappableBottomUpLocator = "operatorLocator" | "groupBottomUpLocator" |
"attributeBottomUpLocator";

attributeNameList = "( " "attributeName" { ",", "attributeName" } )";

bindableType = "UNQUOTED_STRING";

bindableName = "QUOTED_STRING";

```

Keywords and Parameters

createMappingCommand

Create a mapping in an Oracle Module.

mappingName

Name of the mapping.

setPropertyClause

Describe the keys of properties for the map or objects in the map.

addOperatorClause

Adds a mapping operator to a map. When you add an operator, Warehouse Builder creates default groups and parameters for the operator. Please see the appendix section of the Scripting Reference.

The following is an example for creating a child object under a mapping (which is not an operator) OMBALTER MAPPING 'M1' ADD SOURCE_DATA_FILE 'FILE1'

The following is an example for creating an operator:

OMBALTER MAPPING 'M1' ADD TABLE OPERATOR 'T1'

In the second example, when user forgets to type "OPERATOR" "GROUP" "ATTRIBUTE" key word, instead of complaining the keywords are missing, OMBPlus

will complain about error getting child objects. Here is an example: OMB+>
OMBALTER MAPPING 'M1' ADD TABLE 'T1' OMB02932: Error getting child objects
of type TABLE in M1

TO A USER: it looks like OMBPlus should complain they forget to type a keyword.

TO OMBPLUS: the syntax is actually for creating a non-operator child object
under the mapping. Therefore, it goes and tries to find type definition for
non-operator child object "TABLE" and cannot find it. Therefore the exception is
thrown.

addGroupClause

Add a mapping group to a mapping operator.

addAttributeClause

Add a mapping attribute to a mapping group.

addChildClause

Add a child to a mapping, mapping operator, mapping group or mapping attribute.

addConnectionClause

Add connections between mapping groups or mapping attributes.

propertyKeyList

The list of property keys

propertyValueList

A list of property values.

operatorType

Type of a mapping operator. The following operator types are available: ADVANCED_
QUEUE, AGGREGATOR, CONSTANT, CUBE, DATA_GENERATOR,
DEDUPPLICATOR, DIMENSION, EXPRESSION, EXTERNAL_PROCESS, EXTERNAL_
TABLE, FILTER, FLAT_FILE, INPUT_PARAMETER, JOINER, KEY_LOOKUP,
MATCHMERGE, MATERIALIZED_VIEW, NAME_AND_ADDRESS, OUTPUT_
PARAMETER, PIVOT, POSTMAPPING_PROCESS, PREMAPPING_PROCESS,
SEQUENCE, SET_OPERATION, SORTER, SPLITTER, TABLE, TRANSFORMATION,
UNPIVOT, VIEW.

operatorName

Name of a mapping operator.

setBindingClause

Set the binding during the creation of a mapping operator or mapping attribute.

groupDirection

Direction of a mapping group.

groupName

Name of a mapping group.

operatorLocator

Location of a mapping operator.

attributeName

Name of a mapping attribute.

groupBottomUpLocator

Location of a mapping group.

childType

Type of a child that belongs to map, mapping operator, mapping group or mapping attribute.

childName

Name of a child that belongs to map, mapping operator, mapping group or mapping attribute.

childOwnerBottomUpLocator

Location of a child owner. A child owner can be a map, mapping operator, mapping group, mapping attribute or a child.

groupToGroupConnectType

Connecting from a mapping group in one mapping operator to a mapping group in another mapping operator.

attributeBottomUpLocator

Location of a mapping attribute.

attributesBottomUpLocator

Location of a list of mapping attributes.

propertyKey

A property key for an object.

Basic properties for MAPPING:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the mapping

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the mapping

Basic properties for OPERATOR:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the operator

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the operator

Basic properties for GROUP:

Name: BUSINESS_NAME
Type: STRING(200)
Valid Values: N/A
Default: "
Business name of the group

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the group

Basic properties for ATTRIBUTE:

Name: BUSINESS_NAME
Type: STRING(200)
Valid Values: N/A
Default: "
Business name of the attribute

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the attribute

Name: DATATYPE
Type: STRING(20)
Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, LONG
Default: "
Datatype of the Attribute

Name: LENGTH
Type: NUMBER
Valid Values: N/A
Default: 0
Length of the attribute.

Name: PRECISION

Type: NUMBER

Valid Values: N/A

Default: 0

Precision of the attribute.

Name: SCALE

Type: NUMBER

Valid Values: N/A

Default: 0

Scale of the attribute.

Properties for MAPPING:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: STEP_TYPE

Type: STRING

Valid Values: ABAP, SQLLOADER, PLSQL

Default: UNKNOWN

The step type used to generate this mapping

Properties for MAPPING ABAP STEP:

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Control File Name

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Data File Name

Name: FILE_DELIMITER_FOR_STAGING_FILE

Type: STRING

Valid Values: N/A

Default: ~

File Delimiter for Staging File

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.log

Log File Name

Name: NESTED_LOOP

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Nested Loop

Name: PRIMARY_FOREIGN_KEY_FOR_JOIN

Type: STRING

Valid Values: N/A

Default: DEFAULT

Primary Foreign Key for Join

Name: SAP_SYSTEM_VERSION

Type: STRING

Valid Values: SAP_R3_4X, SAP_R3_3X

Default: SAP_R3_4X

SAP System Version

Name: SQL_JOIN_COLLAPSING

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Sql Join Collapsing

Name: STAGING_FILE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: C:\temp\

Staging File Directory

Name: USE_SELECT_SINGLE

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Use Select Single

Properties for MAPPING PLSQL STEP:

Name: ANALYZE_TABLE_SAMPLE_PERCENTAGE

Type: NUMBER

Valid Values: N/A

Default: 90

The default percentage of rows to be sampled when the target tables are analyzed for statistics to improve performance during insertion.

Name: ANALYZE_TABLE_STATEMENTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate statistics collection statement if this is true.

Name: BULK_PROCESSING_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate bulk processing code if this is true.

Name: BULK_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50

The default number of rows to be fetched in batch during cursor processing.

Name: COMMIT_FREQUENCY

Type: NUMBER

Valid Values: N/A

Default: 1000

The default number of rows processed before a commit is issued.

Name: CORRELATED_COMMIT

Type: BOOLEAN

Valid Values: true, false

Default: false

The mapping commits or rolls back correlated rows together.

Name: DEFAULT_AUDIT_LEVEL

Type: STRING

Valid Values: NONE, STATISTICS, ERROR_DETAILS, COMPLETE

Default: ERROR_DETAILS

The default audit level when the step is executed.

Name: DEFAULT_OPERATING_MODE

Type: STRING

Valid Values: SET_BASED, ROW_BASED, ROW_BASED_TARGET_ONLY, SET_BASED_FAIL_OVER_TO_ROW_BASED, SET_BASED_FAIL_OVER_TO_ROW_BASED_TARGET_ONLY Default: SET_BASED_FAIL_OVER_TO_ROW_BASED The default operating mode.

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: MAXIMUM_NUMBER_OF_ERRORS

Type: NUMBER

Valid Values: N/A

Default: 50

The default maximum number of errors encountered before aborting the step execution.

Name: OPTIMIZED_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Attempt to generate optimized code if this is true.

Name: PARALLEL_ROW_CODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Generate parallel row code if this is true.

Properties for MAPPING SQLLOADER STEP:

Name: AUDIT

Type: BOOLEAN

Valid Values: true, false

Default: true

Perform audit when the step is executed.

Name: BIND_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50000

Bind Size

Name: CONTINUE_LOAD

Type: BOOLEAN

Valid Values: true, false

Default: false

Continue Load

Name: CONTROL_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The Control File Location

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The control file name used in TCL generation

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name from which to allocate extents

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: DELIMITED_FILE_RECORD_TERMINATION

Type: STRING

Valid Values: N/A

Default: N/A

This property has been deprecated. Please set the record delimiter in the Flat File Sample Wizard or Property Sheet.

Name: DIRECT_MODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Direct Mode

Name: ERRORS_ALLOWED

Type: NUMBER

Valid Values: N/A

Default: 50

Number of errors to allow

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The log file location.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The log file name.

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: AL24UTFSS, AR8ARABICMAC, AR8ARABICMACS, AR8ISO8859P6, AR8MSAWIN, AR8MSWIN1256, BLT8CP921, BLT8EBCDIC1112, BLT8MSWIN1257, BLT8PC775, CDN8PC863, CL8EBCDIC1025, CL8EBCDIC1025X, CL8ISO8859P5, CL8KOI8R, CL8MACCYRILLIC, CL8MACCYRILLICS, CL8MSWIN1251, D8EBCDIC273, DK8EBCDIC277, EE8EBCDIC870, EE8ISO8859P2, EE8MACCE, EE8MACCES, EE8MACCROATIAN, EE8MACCROATIANS, EE8MSWIN1250, EE8PC852, EL8EBCDIC875, EL8ISO8859P7, EL8MACGREEK, EL8MACGREEKS, EL8MSWIN1253, EL8PC437S, EL8PC737, EL8PC869, F8EBCDIC297, I8EBCDIC280, IS8MACICELANDIC, IS8MACICELANDICS, IS8PC861, IW8EBCDIC424, IW8ISO8859P8, IW8MACHEBREW, IW8MACHEBREWS, IW8MSWIN1255, JA16EBCDIC930, JA16EUC, JA16EUCYEN, JA16MACSJIS, JA16SJIS, JA16SJISYEN, JA16VMS, KO16KSC5601, LT8MSWIN921, N8PC865, NEE8ISO8859P4, RU8PC855, RU8PC866, S8EBCDIC278, SE8ISO8859P3, TH8MACTHAI, TH8MACTHAIS, TH8TISASCII, TR8EBCDIC1026, TR8MACTURKISH, TR8MACTURKISHS, TR8MSWIN1254, TR8PC857, US7ASCII, US8PC437, UTF8, WE8EBCDIC284, WE8EBCDIC285, WE8EBCDIC37, WE8EBCDIC37C, WE8EBCDIC500, WE8EBCDIC500C, WE8EBCDIC871, WE8ISO8859P1, WE8ISO8859P9, WE8MACROMAN8, WE8MACROMAN8S, WE8MSWIN1252, WE8PC850, WE8PC860, ZHS16CGB231280, ZHS16GBK, ZHS16MACCGB231280, ZHT16BIG5, ZHT16MSWIN950, ZHT32EUC Default: WE8MSWIN1252 Nls Characterset

Name: OPERATION_RECOVERABLE

Type: BOOLEAN
Valid Values: true, false
Default: true
Operation Recoverable

Name: PERFORM_PARALLEL_LOAD
Type: BOOLEAN
Valid Values: true, false
Default: false
Perform Parallel Load

Name: PRESERVE_BLANKS
Type: BOOLEAN
Valid Values: true, false
Default: false
Preserve Blanks

Name: READ_BUFFERS
Type: NUMBER
Valid Values: N/A
Default: 4
The Number of Buffers

Name: READ_SIZE
Type: NUMBER
Valid Values: N/A
Default: 65536
The size of the read buffer

Name: RECORDS_TO_LOAD
Type: NUMBER
Valid Values: N/A
Default: N/A
Number of logical records to load. The default value of 0 indicates to load all records.

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of logical records to skip

Name: ROWS_PER_COMMIT

Type: NUMBER

Valid Values: N/A

Default: 200

Rows per Commit

Properties for MAPPING SQLLOADER STEP SOURCE_DATA_FILE CHILD:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Bad file location.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Bad file name. If the Bad File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The location for this component.

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The data file name for this component. If the Data File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Discard file location

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Discard file name. If the Discard File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_MAX

Type: NUMBER

Valid Values: N/A

Default: 0

Discard Max

Properties for ADVANCED_QUEUE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for AGGREGATOR OPERATOR:

Name: GROUP_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Group By clause for the aggregation

Name: HAVING_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Having clause for the aggregation

Properties for CUBE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for DIMENSION OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for EXTERNAL_TABLE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for FILTER_OPERATOR:

Name: FILTER_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The boolean filtering condition that identifies what data is to be processed. Any row with a false condition will be ignored.

Properties for FLAT_FILE_OPERATOR:

Name: CONCATENATE_RECORDS

Type: NUMBER

Valid Values: N/A

Default: 0

Number of Physical Records per Logical Record.

Name: CONTINUATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the record is continued on the next line.

Name: CONTINUATION_CHARACTER_ON_NEXT_LINE

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

If there is a continuation character, is it at the start of the line.

Name: FIELD_ENCLOSURE_CHARACTERS

Type: STRING

Valid Values: N/A

Default: N/A

Characters that wrap fields. Example ' or ".

Name: FIELD_NAMES_IN_THE_FIRST_ROW

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

Indicates whether to write the field names in the first row of the output file.

Name: FIELD_TERMINATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: ,

Character that separates the fields of a delimited file.

Name: FILE_FORMAT

Type: STRING

Valid Values: N/A

Default: DELIMITED

File Format (Fixed or Delimited).

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, NONE

Default: INSERT

The loading operation to be performed

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: N/A

Default: WE8MSWIN1252

NLS Characterset

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the end of the record.

Name: RECORD_SIZE

Type: NUMBER

Valid Values: N/A

Default: 0

Size of a fixed length record.

Name: RECORD_TYPE_LENGTH

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the length of the data that identifies the type of record. It is used with the Record Type Position.

Name: RECORD_TYPE_POSITION

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the position of the field that identifies the type of record.

Name: SAMPLED_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the file that was sampled to get the metadata for this file.

Name: TARGET_DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The name of the location in which to open the target data file. Make sure the root path of this location, as registered in the Runtime Platform, is exactly specified in the initialization file (INIT.ORA) of your runtime database using the UTL_FILE_DIR parameter.

Name: TARGET_DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the target data file, including extension (file type). This name should not include the file path. To specify where the target data file will be created/appended, set the Target Data File Location.

Properties for INPUT_PARAMETER OPERATOR:

Properties for JOINER OPERATOR:

Name: JOIN_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The Join Condition for the join operator

Properties for KEY_LOOKUP OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: LOOKUP_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Key lookup condition based on the source inputs. This condition is used to lookup a value in the bound table. If the condition is not met, the default value expression will be returned. If a default expression is not defined, null is used.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for MATCHMERGE OPERATOR:

Name: MATCH_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

Ordered list of attributes that control the set of records to be matched at any at any particular time.

Name: MERGED_PREFIX

Type: STRING

Valid Values: N/A

Default: N/A

Set the prefix used for the merged attributes in the cross-reference group.

Properties for MATERIALIZED_VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Properties for NAME_AND_ADDRESS OPERATOR:

Name: ADDRESS_LINE_1

Type: STRING

Valid Values: N/A

Default: N/A

Address line 1

Name: ADDRESS_LINE_2

Type: STRING

Valid Values: N/A

Default: N/A

Address line 2

Name: ADDRESS_LINE_3

Type: STRING

Valid Values: N/A

Default: N/A

Address line 3

Name: ADDRESS_LINE_4

Type: STRING

Valid Values: N/A

Default: N/A

Address line 4

Name: DUAL_ADDRESS_ASSIGNMENT

Type: STRING

Valid Values: NA_DUALADDR_STREET, NA_DUALADDR_POBOX, NA_DUALADDR_CLOSESTTOLASTLINE Default: NA_DUALADDR_STREET A dual address refers to two address lines for the same destination. For example, a record contains both a street address and a P.O. Box; this is common with business data. Select which of the two address lines should be assigned in these cases.

Name: GENERATE_CASS_REPORT

Type: STRING

Valid Values: NA_YES, NA_NO

Default: NA_NO

Select "Yes" to generate CASS (Coding Accuracy Support System) report. CASS report is a text file specified by the United States Postal Service. The report is written to the [nas/bin/admin/reports] folder under the home folder of the name/address server.

Name: LIST_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The list name is optional and provides a reference for tracking multiple CASS reports.

Name: PARSING_TYPE

Type: STRING

Valid Values: NA_NAMEONLY, NA_ADDRESSONLY, NA_NAMEANDADDRESS

Default: NA_NAMEANDADDRESS

Select a name-address parsing type to be performed on the input data

Name: PRIMARY_COUNTRY

Type: STRING

Valid Values: NA_ARG, NA_AUS, NA_BEL, NA_BRA, NA_CAN, NA_CHL, NA_COL, NA_DNK, NA_FRA, NA_DEU, NA_HKG, NA_IND, NA_IRL, NA_ITA, NA_MEX, NA_MYS, NA_NLD, NA_NZL, NA_PER, NA_PHL, NA_PRT, NA_SGP, NA_ZAF, NA_ESP, NA_SWE, NA_CHE, NA_ARE, NA_GBR, NA_USA, NA_VEN Default: NA_USA Select the primary parsing country which best represents the input data. Input addresses having the same country as the primary parsing country will only need to be parsed once. Input addresses having a different country than the primary parsing country may be reparsed by a different parser. For performance reasons, it is best to minimize the percentage of 2-pass parses by selecting the optimal parser.

Name: PROCESSOR_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The processor name is the name of the organization submitting the CASS report.

Properties for OUTPUT_PARAMETER OPERATOR:

Properties for PIVOT OPERATOR:

Name: PIVOT_GROUP_SIZE

Type: NUMBER

Valid Values: 1 - 1000

Default: 2

A number specifying the pivot group size for the pivot operation. Pivot group size determines the number of output rows that are produced from each input row.

Properties for POSTMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: POSTMAPPING_PROCESS_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR, ON_WARNING

Default: ON_SUCCESS

Indicates under what condition of the mapping the post-mapping process will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for PREMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: MAPPING_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR

Default: ON_SUCCESS

Indicates under what condition of the pre-mapping process the mapping will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for SEQUENCE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for SET_OPERATION OPERATOR:

Name: SET_OPERATION

Type: STRING

Valid Values: UNION, UNIONALL, INTERSECT, MINUS

Default: UNION

Specifies the set operation that is to be performed by this operator.

Properties for SORTER OPERATOR:

Name: ORDER_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Order By Clause

Properties for TABLE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for TABLE_FUNCTION OPERATOR:

Name: TABLE_FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the Table Function

Properties for TRANSFORMATION OPERATOR:

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for CUBE,DIMENSION,KEY_LOOKUP,MATERIALIZED_VIEW,TABLE,VIEW OPERATOR KEYS_READONLY CHILD:

Name: KEY_COLUMNS

Type: STRING

Valid Values: N/A

Default: N/A

Local columns that define this key (Comma separated if more than one).

Name: KEY_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the primary, foreign or unique key (primary, foreign, or unique).

Name: KEY_TYPE

Type: STRING

Valid Values: N/A

Default: UNIQUE

Type of key - primary, foreign or unique.

Name: REFERENCED_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

If the key is a foreign key, this will contain the key or keys used of the referenced object.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD:

Name: ADDRESS_ADDRESS_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for address line in Address Match Rule.

Name: ADDRESS_ALLOW_DIFFERING_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Allow differing secondary addresses to match in Address Match Rule.

Name: ADDRESS_LAST_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for last line in Address Match Rule.

Name: ADDRESS_MATCH_ON_ADDRESS_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check address line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_BLANK_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on blank secondary address in Address Match Rule.

Name: ADDRESS_MATCH_ON_LAST_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check last line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_STREET_OR_PO_BOX

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on Street or Post Office (PO) Box in Address Match Rule.

Name: CUSTOM_RULE

Type: STRING

Valid Values: N/A

Default: N/A

Custom Merge Rule

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description of match rule.

Name: FIRM_CROSS_MATCH_FIRM1_AND_FIRM2

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder cross match firm 1 and firm 2?

Name: FIRM_MATCH_ON_ABBREVIATIONS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on abbreviations?

Name: FIRM_MATCH_ON_ACRONYMS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on acronyms?

Name: FIRM_MATCH_ON_PARTIAL_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on partial names?

Name: FIRM_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder check firm similarity?

Name: FIRM_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for firm in Firm Match Rule.

Name: FIRM_STRIP_NOISE_WORDS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder strip noise words?

Name: PERSON_DETECT_SWITCHED_NAME_ORDER

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person rule, should Warehouse Builder detect the switched name order.

Name: PERSON_FN_DETECT_COMPOUND_NAME

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect compound names?

Name: PERSON_FN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on initials.

Name: PERSON_FN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name similarity?

Name: PERSON_FN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name soundex?

Name: PERSON_FN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name substrings?

Name: PERSON_FN_MRS_MATCH

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect MRS? (For example, should Mrs John Smith match Mrs Smith)

Name: PERSON_FN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If matching in first name similarity, what is the similarity score?

Name: PERSON_LN_DETECT_MISSING_HYPHEN

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect missing hyphens?

Name: PERSON_LN_MATCH_HYPHENATED_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on hyphenated last name?

Name: PERSON_LN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name similarity?

Name: PERSON_LN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name soundex?

Name: PERSON_LN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on last name similarity, what is the similarity score?

Name: PERSON_MN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name initials?

Name: PERSON_MN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name similarity?

Name: PERSON_MN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name soundex?

Name: PERSON_MN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name substrings?

Name: PERSON_MN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on middle name similarity, what is the similarity score?

Name: TOTAL_WEIGHT_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a weight rule, the sum of all weights must be equal to or greater than this score for the records to pass the weight rule.

Name: TYPE

Type: STRING

Valid Values: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS Default: MM_TRUE What type of match rule is this? Possible types are: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS

Name: USAGE

Type: STRING

Valid Values: MM_ACTIVE, MM_PASSIVE

Default: MM_ACTIVE

Is this an active or passive rule? Possible usages are: MM_ACTIVE, MM_PASSIVE.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Merge Attribute

Name: COPY_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Copy this merged attribute to merge rule target attribute.

Name: CUSTOM_TEXT

Type: STRING

Valid Values: N/A

Default: N/A

Implementation text for custom merge rule. Include "BEGIN and END statements.

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description

Name: MATCH_ID_SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for match id merge rule. This sequence will be used to generate the match id.

Name: MATCH_ID_SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for match id merge rule. This sequence will be used to generate the match id.

Name: MIN_MAX_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Selecting attribute for min/max merge rule

Name: MIN_MAX_TYPE

Type: STRING

Valid Values: MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST

Default: MM_MAX

Select record where attribute is min,max, shortest, longest. Possible values are MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST.

Name: SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for sequence merge rule.

Name: SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for sequence merge rule.

Name: TYPE

Type: STRING

Valid Values: MM_ANY, MM_MATCH_ID, MM_RANK, MM_SEQUENCE, MM_MIN_MAX, MM_COPY, MM_CUSTOM, MM_RECORD_ANY, MM_RECORD_RANK, MM_RECORD_MIN_MAX, MM_RECORD_CUSTOM Default: MM_ANY Merge Rule Type. Possible values are:MM_ANY,MM_MATCH_ID,MM_RANK,MM_SEQUENCE,MM_MIN_MAX,MM_COPY,MM_CUSTOM,MM_RECORD_ANY,MM_RECORD_RANK,MM_RECORD_MIN_MAX,MM_RECORD_CUSTOM.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD ADDRESS_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND Default: MM_PRIMARY_ADDR What role is this attribute? Possible values are: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD CONDITIONS CHILD:

Name: ALGORITHM

Type: STRING

Valid Values: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM Default: MM_EXACT Algorithm of this condition. Possible values are: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM.

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

To which attribute does this condition apply?

Name: BLANK_MATCHING

Type: STRING

Valid Values: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK Default: MM_MATCH_BOTH_BLANK How do you want blanks to be handled? Possible values are: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK.

Name: SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a similarity condition, what score must the similarity equal or exceed for records to meet the condition?

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD FIRM_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_FIRM1, MM_FIRM2

Default: MM_FIRM1

What role is this attribute? Possible values are: MM_FIRM1,MM_FIRM2.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD PERSON_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role.

Name: TYPE

Type: STRING

Valid Values: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME Default: MM_PRENAME What role is this attribute? Possible values are: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD WEIGHTS
CHILD:

Name: BLANK_SCORE
 Type: NUMBER
 Valid Values: N/A
 Default: N/A
 Score if either attribute is blank

Name: WEIGHT_ATTRIBUTE
 Type: STRING
 Valid Values: N/A
 Default: N/A
 Attribute

Name: WEIGHT_SCORE
 Type: NUMBER
 Valid Values: N/A
 Default: N/A
 Score used for this weight if the attributes in the two match records are identical.
 Similarity will be used to generate this score.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD ATTRIBUTES
CHILD:

Name: ATTRIBUTE_NAME
 Type: STRING
 Valid Values: N/A
 Default: N/A
 Record merge rule attribute

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD RANK_RULES
CHILD:

Name: EXPRESSION
 Type: STRING

Valid Values: N/A

Default: N/A

Rank expression.

Properties for FLAT_FILE OPERATOR INOUT GROUP:

Name: RECORD_TYPE_VALUES

Type: STRING

Valid Values: N/A

Default: N/A

Record Type Values.

Properties for JOINER OPERATOR INPUT GROUP:

Properties for PIVOT OPERATOR OUTPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the output group is the row locator.

Properties for SPLITTER OPERATOR OUTPUT GROUP:

Name: SPLIT_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Condition that defines when to perform the attribute maps for the attributes in this group.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP:

Name: INPUT_PARAMETER_TYPE

Type: STRING

Valid Values: REF_CURSOR, SCALAR

Default: REF_CURSOR

This property specifies whether the input parameter is a scalar or a ref cursor type

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter group

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP:

Name: RETURN_TABLE_OF_SCALAR

Type: BOOLEAN

Valid Values: true, false

Default: false

This property specifies whether the return of the table function is a TABLE of SCALAR or not.

Properties for UNPIVOT OPERATOR INPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the input group is the row locator.

Name: ROW_LOCATOR_VALUES

Type: STRING

Valid Values: N/A

Default: NULL, NULL

A comma-separated expressions that gives the possible values of the row locator within a unpivot group.

Properties for ADVANCED_QUEUE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for CUBE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, = | |, | | =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for DIMENSION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, = | |, | | =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for EXTERNAL_TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for INPUT_PARAMETER OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value applies when the map is not given a value for this attribute. The value can be specified only by the calling program.

Properties for KEY_LOOKUP OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value used for this attribute if no key lookup table row exists for a given input row.

Properties for MATCHMERGE OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: MERGE_ATTR

Type: STRING

Valid Values: N/A

Default: N/A

Related merge attribute

Properties for MATERIALIZED_VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for NAME_AND_ADDRESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: INPUT_ROLE

Type: STRING

Valid Values: NA_NONE, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_FIRSTPARTNAME, NA_LASTPARTNAME, NA_PRENAME, NA_POSTNAME, NA_PERSON, NA_PERSON2, NA_PERSON3, NA_FIRMNAME, NA_PRIMARYADDRESS, NA_SECONDARYADDRESS, NA_ADDRESS, NA_ADDRESS2, NA_NEIGHBORHOOD, NA_LASTLINE, NA_CITY, NA_STATE, NA_POSTALCODE, NA_COUNTRYNAM, NA_COUNTRYCODE, NA_LINE1, NA_LINE2, NA_LINE3, NA_LINE4, NA_LINE5, NA_LINE6, NA_LINE7, NA_LINE8, NA_LINE9, NA_LINE10 Default: NA_NONE
Assigns a name-address input role to the selected input attribute

Properties for NAME_AND_ADDRESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: ADDRESS_TYPE

Type: STRING

Valid Values: NA_ADDRTYPE_NORMAL, NA_ADDRTYPE_DUAL

Default: NA_ADDRTYPE_NORMAL

You can designate an address type as Normal or Dual. For example, a dual address occurs when a record contains both a street address and a P.O. Box; this is common with business data. A normal address contains only one type of address.

Name: INSTANCE

Type: STRING

Valid Values: NA_INSTANCE_FIRST, NA_INSTANCE_SECOND, NA_INSTANCE_THIRD, NA_INSTANCE_FOURTH, NA_INSTANCE_FIFTH, NA_INSTANCE_SIXTH
Default: NA_INSTANCE_FIRST The instance option is used when an address contains multiple names, you can specify which name in the group should be used. In addition, you can use this option to assign an address type to a miscellaneous address component.

Name: OUTPUT_COMPONENT

Type: STRING

Valid Values: NA_NONE, NA_PRENAME, NA_FIRSTNAMESTD, NA_MIDDLENAMESTD, NA_MIDDLENAME2STD, NA_MIDDLENAME3STD, NA_POSTNAME, NA_OTHERPOSTNAME, NA_NAMEDSIGNATOR, NA_RELATIONSHIP, NA_PERSON, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_GENDER, NA_PERSONCOUNT, NA_FIRMNAME, NA_FIRMCOUNT, NA_ADDRESS, NA_PRIMARYADDRESS, NA_STREETNUMBER, NA_PREDIRECTIONAL, NA_STREETNAME, NA_STREETTYPE, NA_POSTDIRECTIONAL, NA_SECONDARYADDRESS, NA_UNITDESIGNATOR, NA_UNITNUMBER, NA_BOXNAME, NA_BOXNUMBER, NA_ROUTENAME, NA_ROUTENUMBER, NA_

BUILDINGNAME, NA_COMPLEX, NA_MISCADDRESS, NA_LASTLINE, NA_NEIGHBORHOOD, NA_CITY, NA_STATE, NA_POSTALCODE, NA_POSTALCODEFORMATTED, NA_DELIVERYPOINT, NA_COUNTRYCODE, NA_COUNTRYCODE3, NA_COUNTRYNAME, NA_ISGOODGROUP, NA_ISPARSED, NA_PARSESTATUS, NA_PARSESTATUSDESC, NA_ISGOODNAME, NA_NAMEWARNING, NA_ISGOODADDRESS, NA_ISFOUND, NA_CITYMATCH, NA_STREETNAMEMATCH, NA_STREETNUMBERMATCH, NA_STREETCOMPMATCH, NA_NONAMBIGUOUSMATCH, NA_CITYWARNING, NA_STREETWARNING, NA_ISADDRESSVERIFIABLE, NA_ADDRESSCORRECTED, NA_POSTALCODECORRECTED, NA_CITYCORRECTED, NA_STREETCORRECTED, NA_STREETCOMPCORRECTED, NA_ADDRESSTYPE, NA_PARSINGCOUNTRY, NA_INSTALLATIONTYPE, NA_INSTALLATIONNAME, NA_DELIVERYOFFICECODE, NA_DELIVERYBEATCODE, NA_ADDRESS2, NA_LOCALITYCODE, NA_LOCALITYNAME, NA_COUNTYNAME, NA_ZIP5, NA_ZIP4, NA_URBANIZATIONNAME, NA_LACS, NA_CART, NA_CHECKDIGIT, NA_MSA, NA_MCD, NA_LATITUDE, NA_LONGITUDE, NA_FIPSCOUNTY, NA_FIPS, NA_CENSUSID Default: NA_NONE Assigns a Name and Address output component to the selected output attribute.

Properties for PIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the pivot group key.

Properties for PIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the pivot group key, which obtains its value from its corresponding input attribute.

Name: PIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: N/A

A comma-separated expression that gives the input attribute to be used for each output row in the pivot group.

Properties for POSTMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for POSTMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for PREMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for PREMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =| |, | |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP ATTRIBUTE:

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: TYPE_ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the field of the PLS Record or attribute of the Object Type or column of the ROWTYPE that corresponds to this attribute. This property is not applicable if the return type is TABLE or SCALAR.

Properties for TRANSFORMATION OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default

it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for TRANSFORMATION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TRANSFORMATION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for UNPIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the unpivot group key.

Properties for UNPIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the unpivot group key, which obtains its value from its corresponding input attribute.

Name: MATCHING_ROW

Type: NUMBER

Valid Values: 1 - 1000

Default: 1

An positive integer to indicate from which row within the unpivot group this output attribute obtains its data.

Name: UNPIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: NULL

An expression that gives the input attribute to be used as the output of this attribute.

Properties for VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, *=, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyValue

A single property value. It can be a number, float, boolean or single-quoted string.

bindableLocator

Location of the object to be bound to a mapping operator or mapping attribute.

mappableBottomUpLocator

Location of the object to be bound to a mapping mapping operator or mapping attribute.

attributeNameList

A list of attribute names.

bindableType

Type of object bound to a mapping operator or mapping attribute.

bindableName

Name of the object bound to a mapping operator or mapping attribute.

Examples

```
OMBCREATE MAPPING 'MAP1'
```

```
OMBCREATE MAPPING 'MAP1'
```

```
SET PROPERTIES (business_name, description)
```

```
VALUES ('My map', 'Map to load customer look up table')
```

```
ADD TABLE OPERATOR 'CUST_SRC'
```

```
BOUND TO TABLE '../SRC_MODULE/CUST_SRC'
```

```
ADD TABLE OPERATOR 'CUST_LOOK_UP'
```

```
ADD CONNECTION FROM GROUP 'INOUTGRP1' OF OPERATOR 'CUST_SRC'
```

```
TO GROUP 'INOUTGRP1' OF OPERATOR 'CUST_LOOK_UP'
```

See Also

OMBCREATE, OMBALTER MAPPING, OMBRETRIEVE MAPPING, OMBDROP MAPPING

OMBCREATE MATERIALIZED_VIEW

Purpose

OMBCREATE MATERIALIZED_VIEW - To create a materialized view.

Prerequisites

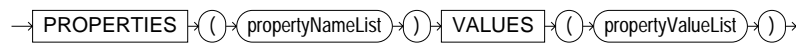
In the context of an Oracle Module.

Syntax Diagrams

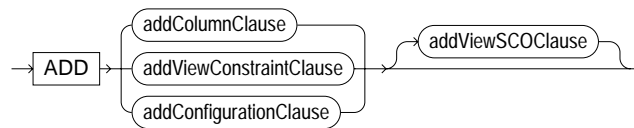
createMaterializedViewCommand



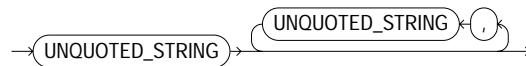
setPropertiesClause



addViewSCOClause



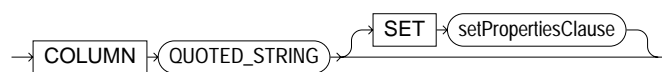
propertyNameList



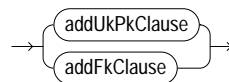
propertyValueList



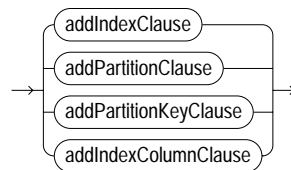
addColumnClause



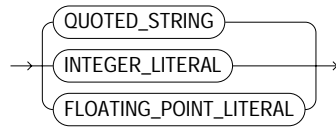
addViewConstraintClause



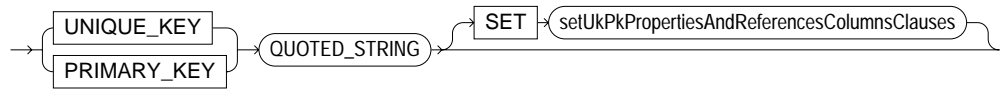
addConfigurationClause



propertyValue



addUkPkClause



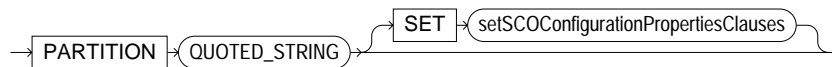
addFkClause



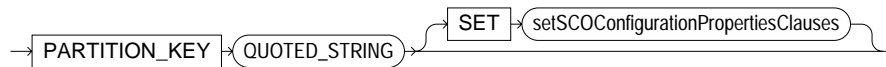
addIndexClause



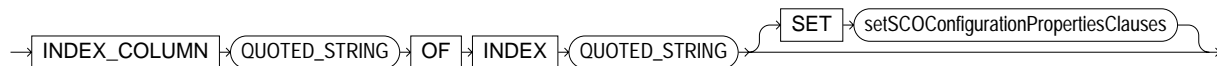
addPartitionClause



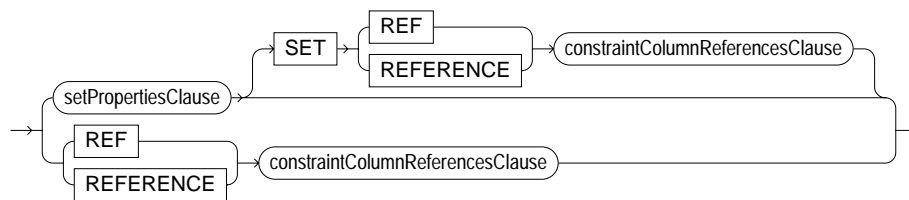
addPartitionKeyClause



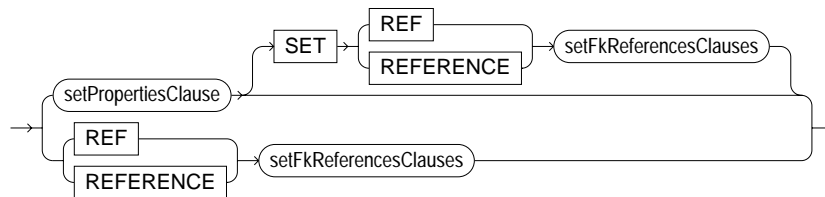
addIndexColumnClause



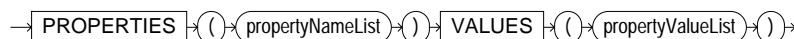
setUkPkPropertiesAndReferencesColumnsClauses



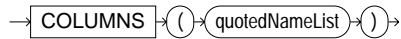
setFkSubClauses



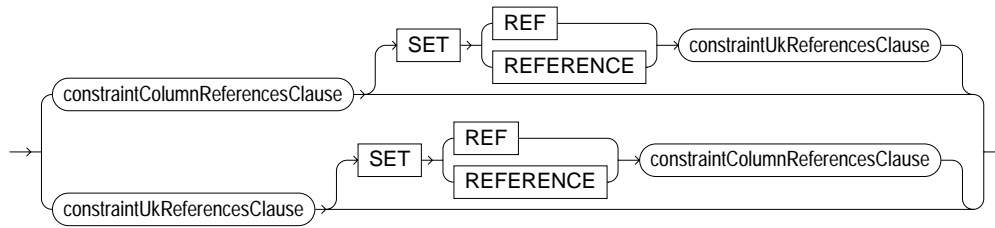
setSCOConfigurationPropertiesClauses



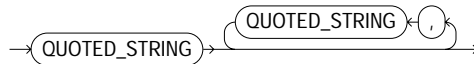
constraintColumnReferencesClause



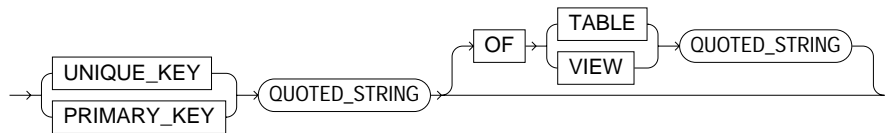
setFkReferencesClauses



quotedNameList



constraintUkReferencesClause



Syntax

```

createMaterializedViewCommand = OMBCREATE ( MATERIALIZED_VIEW
"QUOTED_STRING" [ SET "setPropertiesClause" ] [ "addViewSCOClauses" ] );

setPropertiesClause = PROPERTIES (" "propertyNameList" ") VALUES ("
"propertyValueList" " ");

addViewSCOClauses = ADD ( "addColumnClause" | "addViewConstraintClause" |
"addConfigurationClause" ) [ "addViewSCOClauses" ];

propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " ," "propertyValue" };

addColumnClause = COLUMN "QUOTED_STRING" [ SET "setPropertiesClause" ];

addViewConstraintClause = "addUkPkClause" | "addFkClause";

addConfigurationClause = "addIndexClause" | "addPartitionClause" |
"addPartitionKeyClause" | "addIndexColumnClause";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" [ SET
"setUkPkPropertiesAndReferencesColumnsClauses" ];

addFkClause = FOREIGN_KEY "QUOTED_STRING" [ SET "setFkSubClauses" ];

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOCConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOCConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOCConfigurationPropertiesClauses" ];
  
```

```
addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (
REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )
"constraintColumnReferencesClause";

setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )
"setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";

setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" " )"
VALUES "( " "propertyValueList" " )";

constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" " )";

setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |
REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [
SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];

quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };

constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_
STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];
```

Keywords and Parameters

createMaterializedViewCommand

This command creates a materialized view.

QUOTED_STRING

Specify the name of the materialized view to be created.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints. Valid properties are shown below:

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for MATERIALIZED_VIEW:

Name: BASE_TABLES

Type: STRING

Valid Values: N/A

Default: "

Comma separated list of base tables.

Name: BUILD

Type: STRING

Valid Values: DEFERRED, IMMEDIATE

Default: IMMEDIATE

Immediate : populates the view when it is created. Deferred : delays population until the next refresh operation.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

Hash SubPartition Number

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: QUERY_REWRITE

Type: STRING

Valid Values: DISABLE, ENABLE

Default: ENABLE

Enable marks the View eligible for query rewrite and disable marks the View

ineligible for query rewrite

Name: REFRESH

Type: STRING

Valid Values: COMPLETE, FAST, ON_COMMIT, ON_DEMAND, FORCE

Default: COMPLETE

Complete : specifies the complete refresh method implemented by executing the query of the view. Fast : specifies the incremental refresh method which refreshes the view according to changes that have occurred to the master tables. Force : specifies that when a refresh occurs, Oracle performs a fast refresh if possible or a complete refresh otherwise.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

`addViewSCOClause`

This clause adds components like column etc.

`propertyNameList`

The list of properties.

`propertyValueList`

The list of property values.

`addColumnClause`

This column adds a column.

`addViewConstraintClause`

This clause adds the view's configuration clause.

`addConfigurationClause`

This clause will add configuration objects.

`propertyValue`

This clause adds the property values.

`addUkPkClause`

This clause adds the adds unique key and primary keys.

`QUOTED_STRING`

name of the unique key or primary key.

`addFkClause`

This clause adds foreign key

`QUOTED_STRING`

Name of the foreign key.

addIndexClause

This clause adds an index.

QUOTED_STRING

Name of the index.

addPartitionClause

This clause adds a partition.

QUOTED_STRING

Name of the partition.

addPartitionKeyClause

This clause adds a partition key.

QUOTED_STRING

Name of the partition key. This should be a column identifier.

addIndexColumnClause

This clause will add indexColumn to a specified index.

QUOTED_STRING

Index name

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE
RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primary key name, and the latter denotes the table's or view's name.

Examples

```
OMBCREATE MATERIALIZED_VIEW 'NEW_MATERIALIZED_VIEW' SET
PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a new
materialized view', 'New MaterializedView') This will create a materialized view
named "NEW_VIEW", its description is "this is a new materialized view", and
business name is "New MaterializedView".
```

See Also

OMBCREATE, OMBALTER MATERIALIZED_VIEW, OMBDROP MATERIALIZED_VIEW

OMBCREATE OBJECT_TYPE

Purpose

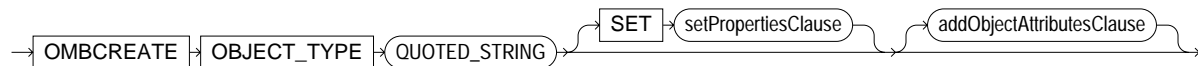
OMBCREATE OBJECT_TYPE - To create an Object Type.

Prerequisites

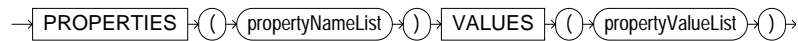
Should be in the context of an Oracle Module.

Syntax Diagrams

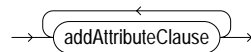
createObjectTypeCommand



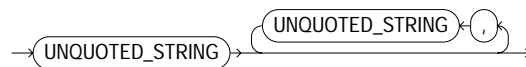
setPropertiesClause



addObjectAttributesClause



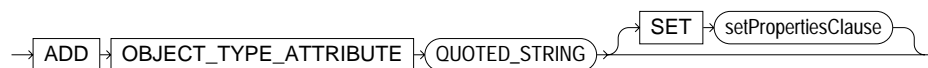
propertyNameList



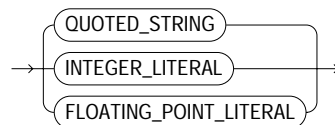
propertyValueList



addAttributeClause



propertyValue



Syntax

```
createObjectTypeCommand = OMBCREATE ( OBJECT_TYPE "QUOTED_STRING" [
SET "setPropertiesClause" ] [ "addObjectAttributesClause" ] );
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" " )";
```

```
addObjectAttributesClause = "addAttributeClause"+;
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
addAttributeClause = ADD OBJECT_TYPE_ATTRIBUTE "QUOTED_STRING" [ SET  
"setPropertyClause" ];  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createObjectTypeCommand

Creates an Object Type with the given name.

setPropertyClause

Sets properties (core, logical, physical, user-defined) for Object Type or its Attributes.
Valid properties are shown below:

Basic properties for OBJECT_TYPE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Object Type

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Object Type

Basic properties for OBJECT_TYPE_ATTRIBUTE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Attribute

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Attribute

Name: DATATYPE

Type: STRING(20)

Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, FLOAT

Default: "

Datatype of the Attribute

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

`addObjectAttributesClause`

Adds one or more Attributes in this Object Type.

`propertyNameList`

The list of properties.

`propertyValueList`

The list of property values.

`addAttributeClause`

Adds an Attribute with the given name and properties.

`propertyValue`

This clause adds the property values.

Examples

```
OMBCREATE OBJECT_TYPE 'NEW_OBJECT_TYPE' SET PROPERTIES  
(DESCRIPTION) VALUES
```

```
('this is an object type') ADD OBJECT_TYPE_ATTRIBUTE 'ATTR' SET PROPERTIES  
(DATATYPE) VALUES ('VARCHAR2') This will create an Object Type named "NEW_  
OBJECT_TYPE", its description is "this is an object type" and an Attribute 'ATTR' of  
Varchar2 type.
```

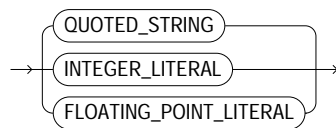
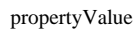
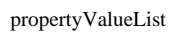
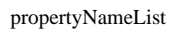
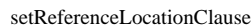
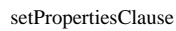
See Also

OMBCREATE, OMBALTER OBJECT_TYPE, OMBDROP OBJECT_TYPE

OMBCREATE ORACLE_MODULE - To create an Oracle module.

Should be in the context of project.

createOracleModuleCommand



```
createOracleModuleCommand = OMBCREATE ( ORACLE_MODULE "QUOTED_
STRING" [ SET ( "setPropertiesClause" [ SET "setReferenceLocationClause" ] |
"setReferenceLocationClause" ) ] );
```

```
setPropertiesClause = PROPERTIES (“ “propertyNameList” “) VALUES (“ “propertyValueList” “);
```

```
setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " , "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createOracleModuleCommand

This command creates an Oracle module

QUOTED_STRING

Name of the Oracle module to be created.

setPropertyClause

Associate a set of properties with an Oracle module.

Basic properties for ORACLE_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of an Oracle Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of an Oracle Module

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of an Oracle Module

Properties for ORACLE_MODULE:

Name: ABAP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\

Location where ABAP scripts are stored

Name: ABAP_EXTENSION

Type: STRING

Valid Values: N/A

Default: .abap

File name extension for ABAP scripts

Name: ABAP_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Run Parameter File Suffix for the parameter script in a ABAP job.

Name: ABAP_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\log\

Location where ABAP scripts are buffered during script generation processing.

Name: APPLICATION_SHORT_NAME

Type: STRING

Valid Values: N/A

Default: WB

Application Short Name

Name: ARCHIVE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: archive\

Archive Directory

Name: CONNECT_STRING

Type: STRING

Valid Values: N/A

Default: "

A Net*8 style connection string to the remote database. Alternatively, you can specify machine, port, service name of the remote database.

Name: DDL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\

Location where scripts for database objects for the target schema are stored.

Name: DDL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .ddl

File name extension for DDL scripts.

Name: DDL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\log\

Location where DDL scripts are buffered during script generation processing.

Name: DEFAULT_INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install indexes into.

Name: DEFAULT_OBJECT_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install objects into.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: END_OF_LINE

Type: STRING

Valid Values: N/A

Default: \r\n

End of Line

Name: INPUT_DIRECTORY

Type: STRING

Valid Values: N/A

Default: input\

Input Directory

Name: INVALID_DIRECTORY

Type: STRING

Valid Values: N/A

Default: invalid\

Directory for SQL*Loader errors and rejected records

Name: LIB_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\

LIB Directory

Name: LIB_EXTENSION

Type: STRING

Valid Values: N/A

Default: .lib

LIB Extension

Name: LIB_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\log\
LIB Spool Directory

Name: LOADER_DIRECTORY
Type: STRING
Valid Values: N/A
Default: ctl\
Location where control files are stored.

Name: LOADER_EXTENSION
Type: STRING
Valid Values: N/A
Default: .ctl
Suffix for the loader scripts

Name: LOADER_RUN_PARAMETER_FILE
Type: STRING
Valid Values: N/A
Default: _run.ini
Suffix for the parameter initialization file.

Name: LOG_DIRECTORY
Type: STRING
Valid Values: N/A
Default: log\
Log Directory for the SQL*Loader

Name: MAIN_APPLICATION_SHORT_NAME
Type: STRING
Valid Values: N/A
Default: ora
Main Application Short Name

Name: PLSQL_DIRECTORY
Type: STRING
Valid Values: N/A
Default: pls\

Location where PL/SQL scripts are stored.

Name: PLSQL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .pls

File name extension for PL/SQL scripts.

Name: PLSQL_GENERATION_MODE

Type: STRING

Valid Values: Oracle9i, Oracle8i

Default: Oracle9i

Generation mode controls validation and generation for version specific features.

Name: PLSQL_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Suffix for the parameter script in a PL/SQL job.

Name: PLSQL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: pls\log\

Location where PL/SQL scripts are buffered during script generation processing.

Name: PORT

Type: STRING

Valid Values: N/A

Default: "

The port number on the machine where the database listens to.

Name: RECEIVE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: receive\

Receive Directory

Name: REMOTE_HOST_NAME

Type: STRING

Valid Values: N/A

Default: "

The machine where the remote database resides on.

Name: SCHEMA_OWNER

Type: STRING

Valid Values: N/A

Default: OWB

Schema Owner

Name: SERVICE_NAME

Type: STRING

Valid Values: N/A

Default: "

The service name (global DB name) of the database instance on the remote machine.

Name: SORT_DIRECTORY

Type: STRING

Valid Values: N/A

Default: sort\

Sort Directory

Name: TCL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: tcl\

Location for TCL scripts that are generated after registration with Oracle Enterprise Manager

Name: TOP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ..\..\codegen\

Top Directory where generated code will get stored

Name: WORK_DIRECTORY

Type: STRING

Valid Values: N/A

Default: work\

Work Directory

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

setReferenceLocationClause

Set a location to an Oracle module.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

OMBCREATE ORACLE_MODULE 'src_module' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is an Oracle module', 'source module') This will create an Oracle module named "src_module", its description is "this is an Oracle module", and business name is "source module".

See Also

OMBCREATE, OMBALTER ORACLE_MODULE, OMBDROP ORACLE_MODULE

OMBCREATE PACKAGE

Purpose

OMBCREATE PACKAGE - To create a Package.

Prerequisites

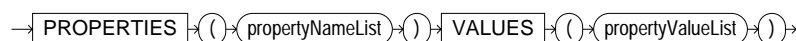
Should be in the context of a Oracle Module or Transformation Module.

Syntax Diagrams

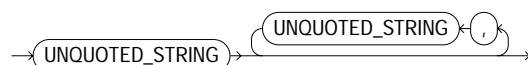
createPackageCommand



setPropertiesClause



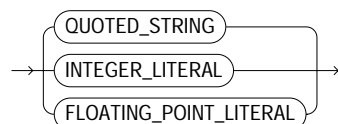
propertyNameList



propertyValueList



propertyValue



Syntax

```
createPackageCommand = OMBCREATE ( PACKAGE "QUOTED_STRING" [ SET
"setPropertiesClause" ] );
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" " )";
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { ",", "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createPackageCommand

This command creates a Package

QUOTED_STRING

Name of the Package to be created.

setPropertyClause

Used to set properties (core, user-defined) for packages. Valid properties are shown below:

Basic properties for PACKAGE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Package

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Package

Properties for PACKAGE:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the package with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

OMBCREATE PACKAGE 'pkg' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a Package', 'package') This will create a Package named "pkg", its description is "this is a Package", and business name is "package".

See Also

OMBCREATE, OMBALTER PACKAGE, OMBDROP PACKAGE

OMBCREATE PROCEDURE

Purpose

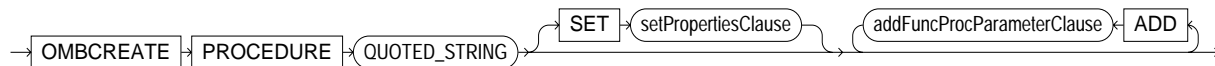
OMBCREATE PROCEDURE - To create a Procedure.

Prerequisites

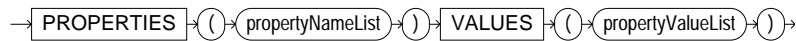
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

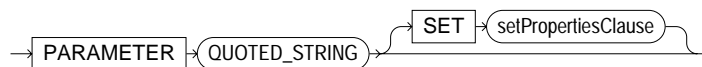
createProcedureCommand



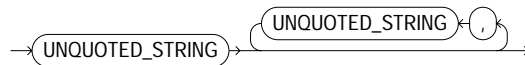
setPropertiesClause



addFuncProcParameterClause



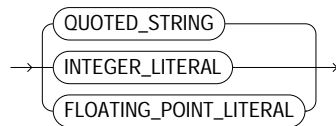
propertyNameList



propertyValueList



propertyValue



Syntax

```
createProcedureCommand = OMBCREATE ( PROCEDURE "QUOTED_STRING" [
SET "setPropertiesClause" ] { ADD "addFuncProcParameterClause" } );
```

```
setPropertiesClause = PROPERTIES (" " "propertyNameList" ") VALUES ("
"propertyValueList" ")";
```

```
addFuncProcParameterClause = PARAMETER "QUOTED_STRING" [ SET
"setPropertiesClause" ];
```

```
propertyNameList = "UNQUOTED_STRING" { " " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { " " "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```


Keywords and Parameters

createProcedureCommand

This command creates a Procedure

QUOTED_STRING

Name of the Procedure to be created.

setPropertiesClause

Used to set properties (core, user-defined) for procedurefunction. Valid properties are shown below:

Basic properties for PROCEDURE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Procedure

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Procedure

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Procedure which is included global variable declaration and code between BEGIN and END.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for PROCEDURE:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

addFuncProcParameterClause

Adds one or more Parameters to this Procedure.

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBCREATE PROCEDURE 'proc' SET PROPERTIES (DESCRIPTION, BUSINESS_
NAME, IMPLEMENTATION) VALUES ('this is a Procedure', 'proc', 'BEGIN END proc
\;') ADD PARAMETER 'PARAM_1' SET PROPERTIES (DEXCRIPTION, BUSINESS_
NAME, IN_OUT, DATATYPE, DEFAULT_VALUE) VALUES ('param_1', 'this is a
param_1','IN', 'VARCHAR2', 'this is a Varchar2') ADD PARAMETER 'PARAM_2' SET
PROPERTIES (DEXCRIPTION, BUSINESS_NAME, IN_OUT, DATATYPE, DEFAULT_
VALUE) VALUES ('param_2', 'this is a param_2','INOUT', 'DATE', 'this is a Date') This
will create a Procedure named "proc", its description is "this is a Procedure", and
business name is "proc", return datatype NUMBER, and body of function as 'BEGIN
END proc;'. It creates two parameters 'PARAM_1' and 'PARAM_2'
```

See Also

OMBCREATE, OMBALTER PROCEDURE, OMBDROP PROCEDURE

OMBCREATE PROCESS_FLOW

Purpose

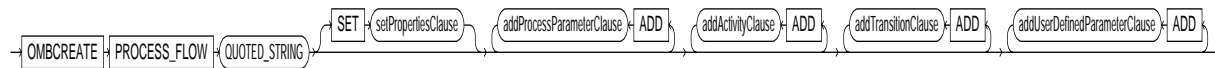
OMBCREATE PROCESS_FLOW - To create a Process Flow.

Prerequisites

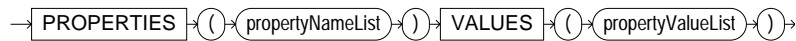
Should be in the context of a Process Flow Package.

Syntax Diagrams

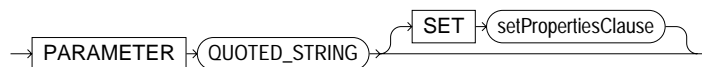
createProcessFlowCommand



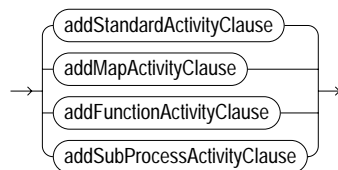
setPropertiesClause



addProcessParameterClause



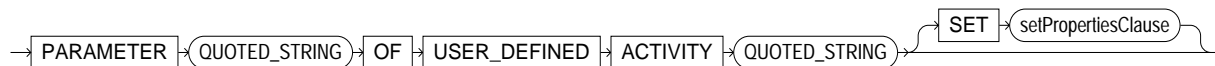
addActivityClause



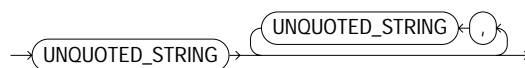
addTransitionClause



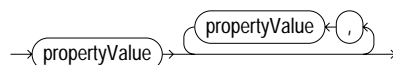
addUserDefinedParameterClause



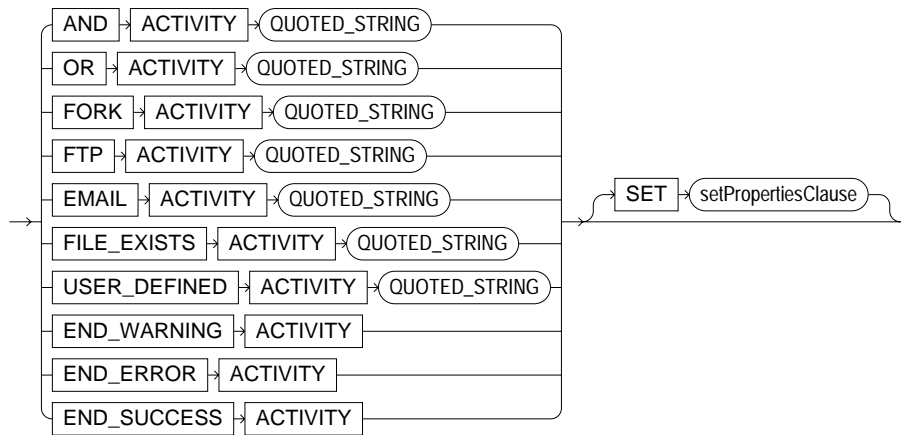
propertyNameList



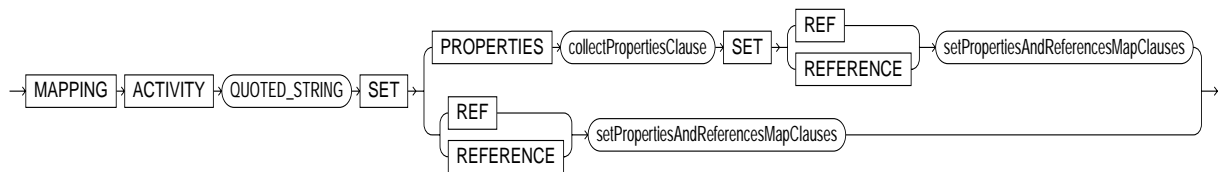
propertyValueList



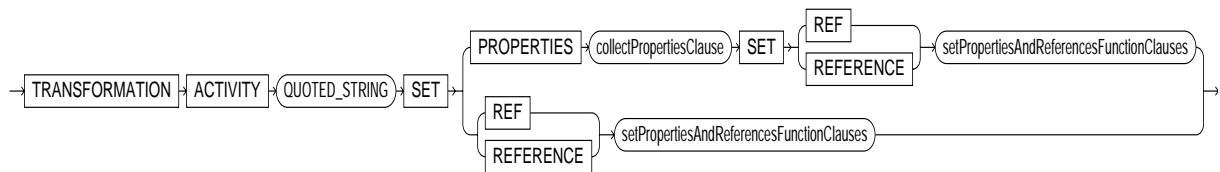
addStandardActivityClause



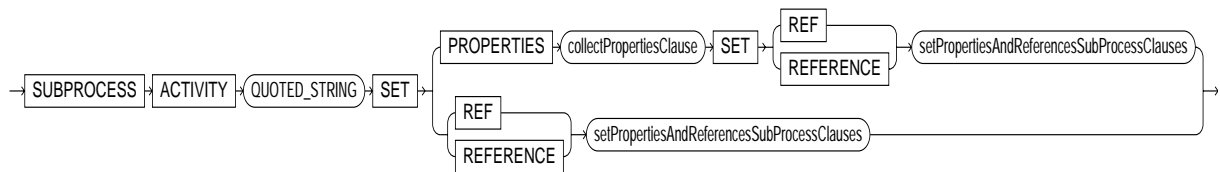
addMapActivityClause



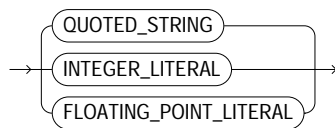
addFunctionActivityClause



addSubProcessActivityClause



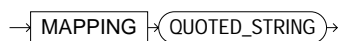
propertyValue



collectPropertiesClause



setPropertiesAndReferencesMapClauses



setPropertiesAndReferencesFunctionClauses



setPropertiesAndReferencesSubProcessClauses



Syntax

```

createProcessFlowCommand = OMBCREATE ( PROCESS_FLOW "QUOTED_
STRING" [ SET "setPropertiesClause" ] ( { ADD "addProcessParameterClause" } {
ADD "addActivityClause" } { ADD "addTransitionClause" } { ADD
"addUserDefinedParameterClause" } ) );

setPropertiesClause = PROPERTIES (" " "propertyNameList" ") VALUES (" "
"propertyValueList" " " );

addProcessParameterClause = ( PARAMETER "QUOTED_STRING" ) [ SET
"setPropertiesClause" ];

addActivityClause = ( "addStandardActivityClause" | "addMapActivityClause" |
"addFunctionActivityClause" | "addSubProcessActivityClause" );

addTransitionClause = ( TRANSITION "QUOTED_STRING" ( FROM ACTIVITY
"QUOTED_STRING" ) ( TO "QUOTED_STRING" ) ) [ SET "setPropertiesClause" ];

addUserDefinedParameterClause = ( PARAMETER "QUOTED_STRING" OF USER_
DEFINED ACTIVITY "QUOTED_STRING" ) [ SET "setPropertiesClause" ];

propertyNameList = "UNQUOTED_STRING" { " " "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " " "propertyValue" };

addStandardActivityClause = ( AND ACTIVITY "QUOTED_STRING" | OR
ACTIVITY "QUOTED_STRING" | FORK ACTIVITY "QUOTED_STRING" | FTP
ACTIVITY "QUOTED_STRING" | EMAIL ACTIVITY "QUOTED_STRING" | FILE_
EXISTS ACTIVITY "QUOTED_STRING" | USER_DEFINED ACTIVITY "QUOTED_
STRING" | END_WARNING ACTIVITY | END_ERROR ACTIVITY | END_
SUCCESS ACTIVITY ) [ SET "setPropertiesClause" ];

addMapActivityClause = ( MAPPING ACTIVITY "QUOTED_STRING" SET (
PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesMapClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesMapClauses" ) );

addFunctionActivityClause = ( TRANSFORMATION ACTIVITY "QUOTED_
STRING" SET ( PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesFunctionClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesFunctionClauses" ) );

addSubProcessActivityClause = ( SUBPROCESS ACTIVITY "QUOTED_STRING"
SET ( PROPERTIES "collectPropertiesClause" SET ( REF | REFERENCE )
"setPropertiesAndReferencesSubProcessClauses" | ( REF | REFERENCE )
"setPropertiesAndReferencesSubProcessClauses" ) );

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

collectPropertiesClause = (" " "propertyNameList" ") VALUES (" "
"propertyValueList" " " );

setPropertiesAndReferencesMapClauses = ( MAPPING "QUOTED_STRING" );
  
```

```

setPropertyAndReferencesFunctionClauses = ( TRANSFORMATION "QUOTED_
STRING" );

setPropertyAndReferencesSubProcessClauses = ( PROCESS_FLOW "QUOTED_
STRING" );

```

Keywords and Parameters

createProcessFlowCommand

Create a new process flow using quoted name.

setPropertyClause

Used to set properties (core, user-defined) for process flow. Note: For MAPPING, TRANSFORMATION and SUBPROCESS activities the setPropertiesAndReferencesMapClauses, setPropertiesAndReferencesFunctionClauses and setPropertiesAndReferencesSubProcessClauses respectively, are mandatory. For MAPPING or TRANSFORMATION activities and the REFERENCE property has to be set to a valid MAP or TRANSFORMATION within the current project. For SUBPROCESS activities the REFERENCE property has to be set to a SUBPROCESS within the same PROCESS_FLOW_PACKAGE. Valid properties are shown below:

Base properties for PROCESS_FLOW:

Basic properties for Process Flow, Activity, Transition and Parameter:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Process Flow

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Process Flow Core properties for Transition :

Name: TRANSITION_CONDITION

Type: STRING

Valid Values: ", SUCCESS, ERROR, WARNING

Default: " i.e. Unconditional

Sets the Transition Condition of a Transition

Description of the Process Flow Core properties for Activity Parameter :

Name: DATATYPE

Type: STRING

Valid Values: INTEGER, FLOAT, DATE, STRING, BOOLEAN

Default: STRING Sets the datatype of a Activity Parameter

Name: DIRECTION

Type: STRING

Valid Values: IN

Default: IN Sets the direction of a Activity Parameter

Name: VALUE

Type: STRING

Valid Values: Examples '123', '123.456', 'Jan-08-2003', 'I am String', 'true' Default: " For Mapping activities representing PLSQL maps, the allowed value for the parameters: OPERATING_MODE:'SET_BASED' 'ROW_BASED' 'ROW_BASED_TARGET_ONLY' 'SET_BASED_FAIL_OVER_TO_ROW_BASED' 'SET_BASED_FAIL_OVER_TO_ROW_BASED_TARGET_ONLY' AUDIT_LEVEL:'NONE' 'STATISTICS' 'ERROR_DETAILS' 'COMPLETE' Sets the value of a Activity Parameter

Name: BINDING

Type: STRING

Valid Values: Examples 'PARAM_1', 'PARAM_2' Default: " Represents the parameter on the process flow that this parameter is bound to. When setting users can specify the name of any PROCESS PARAMETER of same datatype. This feature allows for parameterizing the process flow. If the parameter is bound the VALUE property is ignored when generating the process flow. To unbind a parameter, use an empty quoted string ie. "", and the parameter will be unbound.

Properties for PROCESS_FLOW:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: "

Physical name of the object that this activity represents.

Name: DEPLOYED_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Deployed Location of Transformation Activities only.

Name: EXECUTION_LOCATION

Type: STRING

Valid Values: N/A

Default: NATIVE_EXECUTION

The location from which this activity will be executed.

Name: REMOTE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Remote Location for FTP activities only.

Name: USE_RETURN_AS_STATUS

Type: BOOLEAN

Valid Values: true, false

Default: false

Use any return value to select the Transition path.

Name: WORKING_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Working Location for FTP, FILE_EXIST and USER_DEFINED activities only.

Properties for ACTIVITY:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: "

Physical name of the object that this activity represents.

Name: DEPLOYED_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Deployed Location of Transformation Activities only.

Name: EXECUTION_LOCATION

Type: STRING

Valid Values: N/A

Default: NATIVE_EXECUTION

The location from which this activity will be executed.

Name: REMOTE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Remote Location for FTP activities only.

Name: USE_RETURN_AS_STATUS

Type: BOOLEAN

Valid Values: true, false

Default: false

Use any return value to select the Transition path.

Name: WORKING_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Working Location for FTP, FILE_EXIST and USER_DEFINED activities only.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

addProcessParameterClause

This clause adds the Parameters for a Process Flow.

addActivityClause

This clause adds the Activities for a Process Flow.

addTransitionClause

This clause adds the Transitions for a Process Flow.

addUserDefinedParameterClause

This clause adds the Parametrers for a User Defined Activity of a Process Flow.

propertyNameList

A comma delimited set of property names to set.

propertyValueList

A comma delimited set of property values to set.

addStandardActivityClause

This clause adds standard activity types AND, FORK, FTP, OR, USER_DEFINED to a Process Flow.

addMapActivityClause

This clause adds the MAP activity to a Process Flow.

addFunctionActivityClause

This clause adds the Function or Procedure activity to a Process Flow.

addSubProcessActivityClause

This clause adds a Process as an activity to a Process Flow.

propertyValue

Integer value, float value or quoted string literal.

collectPropertiesClause

This clause collects core properties of Map, Function/Procedure and Subprocess activity.

setPropertyAndReferencesMapClauses

This clause sets reference to the existing Map.

setPropertyAndReferencesFunctionClauses

This clause sets a reference to existing Function or Procedure.

setPropertyAndReferencesSubProcessClauses

This clause sets a reference to existing Process Flow.

Examples

```
OMBCREATE PROCESS_FLOW 'TEST_PROCESS_FLOW' SET PROPERTIES
(DESCRIPTION, BUSINESS_NAME) VALUES ('this is a Process Flow', 'process flow')
ADD PARAMETER 'PARAM_1' ADD PARAMETER 'PARAM_2' ADD FORK
ACTIVITY 'FORK_ACTIVITY' ADD USER_DEFINED ACTIVITY 'UD_ACTIVITY'
ADD FTP ACTIVITY 'FTP_ACTIVITY' ADD OR ACTIVITY 'OR_ACTIVITY' ADD
AND ACTIVITY 'AND_ACTIVITY' ADD MAPPING ACTIVITY 'ACTIVITY_MAP_1'
SET REFERENCE MAPPING '/PROCESS_FLOW_PROJECT/WAREHOUSE_P/MAP_
1' ADD SUBPROCESS ACTIVITY 'SUBPROCESS_ACTIVITY' SET REFERENCE
PROCESS_FLOW 'REPORT_PROCESS_FLOW' ADD MAPPING ACTIVITY
'ACTIVITY_MAP_2' SET REFERENCE MAPPING '/PROCESS_FLOW_
PROJECT/WAREHOUSE_P/MAP_2' ADD TRANSITION 'T1' FROM ACTIVITY
'START' TO 'FORK_ACTIVITY' SET PROPERTIES (TRANSITION_CONDITION)
VALUES ('SUCCESS') ADD TRANSITION 'T2' FROM ACTIVITY 'FORK_ACTIVITY'
TO 'FTP_ACTIVITY' SET PROPERTIES (TRANSITION_CONDITION) VALUES
('SUCCESS') ADD TRANSITION 'T3' FROM ACTIVITY 'FORK_ACTIVITY' TO
'ACTIVITY_MAP_1' SET PROPERTIES (TRANSITION_CONDITION) VALUES
('SUCCESS') ADD TRANSITION 'T4' FROM ACTIVITY 'FTP_ACTIVITY' TO 'OR_
ACTIVITY' SET PROPERTIES (TRANSITION_CONDITION) VALUES ('SUCCESS')
ADD TRANSITION 'T5' FROM ACTIVITY 'FTP_ACTIVITY' TO 'UD_ACTIVITY' SET
PROPERTIES (TRANSITION_CONDITION) VALUES ('ERROR') ADD TRANSITION
'T6' FROM ACTIVITY 'UD_ACTIVITY' TO 'OR_ACTIVITY' SET PROPERTIES
(TRANSITION_CONDITION) VALUES ('SUCCESS') ADD TRANSITION 'T7' FROM
ACTIVITY 'OR_ACTIVITY' TO 'AND_ACTIVITY' ADD TRANSITION 'T8' FROM
ACTIVITY 'ACTIVITY_MAP_1' TO 'AND_ACTIVITY' ADD TRANSITION 'T9' FROM
ACTIVITY 'ACTIVITY_MAP_1' TO 'SUBPROCESS_ACTIVITY' SET PROPERTIES
(TRANSITION_CONDITION) VALUES ('WARNING') ADD TRANSITION 'T10'
FROM ACTIVITY 'AND_ACTIVITY' TO 'ACTIVITY_MAP_2' ADD TRANSITION
'T11' FROM ACTIVITY 'ACTIVITY_MAP_2' TO 'SUBPROCESS_ACTIVITY' SET
PROPERTIES (TRANSITION_CONDITION) VALUES ('WARNING') ADD
TRANSITION 'T12' FROM ACTIVITY 'ACTIVITY_MAP_2' TO 'END' ADD
TRANSITION 'T13' FROM ACTIVITY 'SUBPROCESS_ACTIVITY' TO 'END' ADD
PARAMETER 'PARAM_1' OF USER_DEFINED ACTIVITY 'UD_ACTIVITY'
```

Prerequisite for this examples are the existence of a MAP_1, MAP_2 and a Process Flow 'REPORT_PROCESS_FLOW'. The example here will create a process flow and its parameters, it creates activity of types FTP, AND, OR, FORK, MAPPING, USER_DEFINED, and SUBPROCESS. It creates various types of transitions among these activities. At the end it creates a parameter for a user_defined activity type.

See Also

OMBCREATE, OMBALTER PROCESS_FLOW, OMBDROP PROCESS_FLOW

OMBCREATE PROCESS_FLOW_MODULE

Purpose

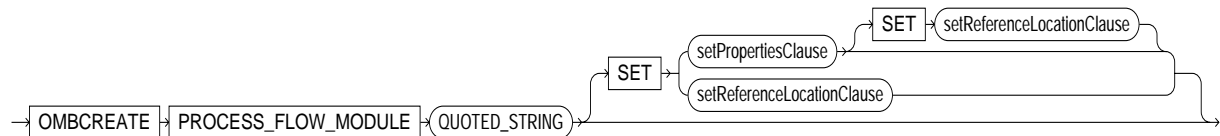
OMBCREATE PROCESS_FLOW_MODULE - To create a Process Flow Module.

Prerequisites

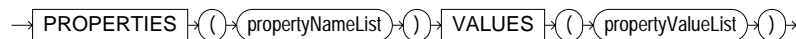
Should be in the context of a project.

Syntax Diagrams

createProcessFlowModuleCommand



setPropertiesClause



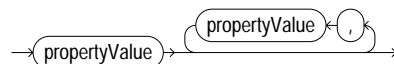
setReferenceLocationClause



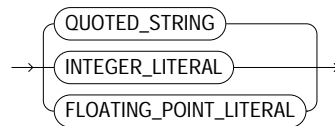
propertyNameList



propertyValueList



propertyValue



Syntax

```
createProcessFlowModuleCommand = OMBCREATE ( PROCESS_FLOW_MODULE
"QUOTED_STRING" [ SET ( "setPropertiesClause" [ SET
"setReferenceLocationClause" ] | "setReferenceLocationClause" ) ] );
```

```
setPropertiesClause = PROPERTIES "( " "propertyNameList" ")" VALUES "( "
"propertyValueList" ")";
```

```
setReferenceLocationClause = ( REFERENCE | REF ) LOCATION "QUOTED_
STRING";
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { "," "propertyValue" };  
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_  
POINT_LITERAL" );
```

Keywords and Parameters

createProcessFlowModuleCommand

Create a new process flow module.

setPropertyClause

Used to set properties (core, user-defined) for process flow module.

Base properties for PROCESS_FLOW_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Process Flow Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Process Flow Module

setReferenceLocationClause

Set a location to a supported workflow engine.

propertyNameList

Comma-separated list of property names. Property names are not in quotation marks.

propertyValueList

Comma-separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBCREATE PROCESS_FLOW_MODULE 'process_Module' SET PROPERTIES  
(DESCRIPTION,  
BUSINESS_NAME) VALUES ('this is a Process Flow Module', 'process flow module')
```

This will create a Process Flow Module named "process_Module", its description is "this is a Process Flow Module", and business name is "process flow module".

See Also

OMBCREATE, OMBALTER PROCESS_FLOW_MODULE, OMBDROP PROCESS_FLOW_MODULE

OMBCREATE PROCESS_FLOW_PACKAGE

Purpose

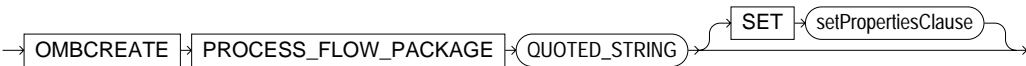
OMBCREATE PROCESS_FLOW_PACKAGE - To create a Process Flow Package.

Prerequisites

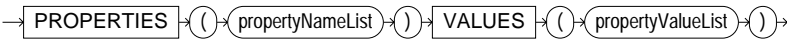
Should be in the context of a Process Flow Module.

Syntax Diagrams

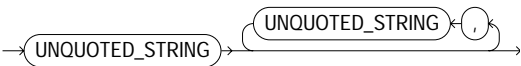
createProcessFlowPackageCommand



setPropertiesClause



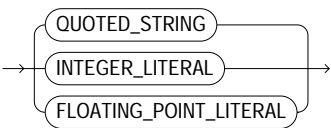
propertyNameList



propertyValueList



propertyValue



Syntax

```
createProcessFlowPackageCommand = OMBCREATE ( PROCESS_FLOW_PACKAGE
"QUOTED_STRING" [ SET "setPropertiesClause" ] );

setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" ")";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createProcessFlowPackageCommand
Create a new process flow package.

setPropertyClause

Used to set properties (core, user-defined) for process flow packages. Valid properties are shown below:

Basic properties for PROCESS_FLOW_PACKAGE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Process Flow Package

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Process Flow Package

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

A comma delimited set of property names to set.

propertyValueList

A comma delimited set of property values to set.

propertyValue

Integer value, float value or quoted string literal.

Examples

OMBCREATE PROCESS_FLOW_PACKAGE 'process_Package' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a Process Flow Package', 'process flow package') This will create a Process Flow Package named "process_Package", its description is "this is a Process Flow Package", and business name is "process flow package".

See Also

OMBCREATE, OMBALTER PROCESS_FLOW_PACKAGE, OMBDROP PROCESS_FLOW_PACKAGE

OMBCREATE PROJECT

Purpose

OMBCREATE PROJECT - To create a project.

Prerequisites

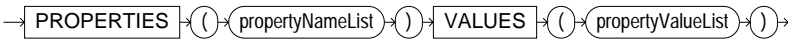
Should be in the top level context.

Syntax Diagrams

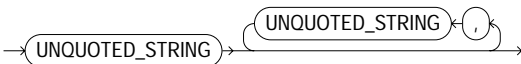
createProjectCommand



setPropertiesClause



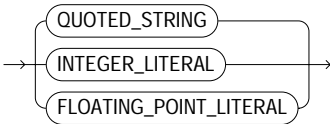
propertyNameList



propertyValueList



propertyValue



Syntax

```
createProjectCommand = OMBCREATE ( PROJECT "QUOTED_STRING" [ SET
"setPropertiesClause" ] );

setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" ")";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

`createProjectCommand`
Create a project.

setPropertyClause

Associate a set of properties with a project.

Basic properties for PROJECT:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Project

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Project

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of a Project

propertyNameList

Comma separated list of property names. Property names are unquoted.

propertyValueList

Comma separated list of property values.

propertyValue

Value of a property.

Examples

```
OMBCREATE PROJECT 'New Project' SET PROPERTIES (DESCRIPTION, BUSINESS_
NAME)
```

VALUES ('this is a project', 'payroll project') This will create a project named "New Project", its description is "this is a project", and business name is "payroll project".

See Also

OMBCREATE, OMBALTER PROJECT, OMBDROP PROJECT

OMBCREATE_RUNTIME_REPOSITORY_CONNECTION

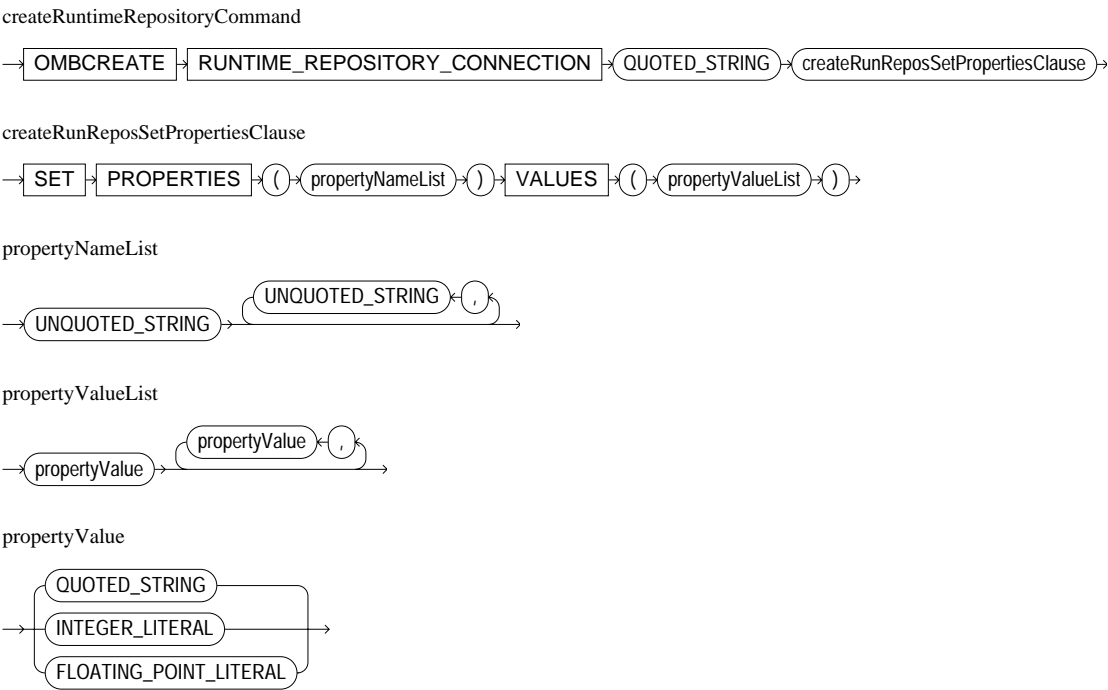
Purpose

OMBCREATE_RUNTIME_REPOSITORY_CONNECTION - To create a runtime repository connection.

Prerequisites

Should be in the context of a project.

Syntax Diagrams



Syntax

```
createRuntimeRepositoryCommand = OMBCREATE ( RUNTIME_REPOSITORY_
CONNECTION "QUOTED_STRING" "createRunReposSetPropertiesClause" );

createRunReposSetPropertiesClause = SET PROPERTIES "(" "propertyNameList" ")"
VALUES "(" "propertyValueList" ")";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { "," "propertyValue" };

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createRuntimeRepositoryCommand
Create a new runtime repository connection.

createRunReposSetPropertiesClause

Set the specified properties of the runtime repository connection.

propertyNameList

The names of the properties whose values you want to set.

Properties for RUNTIME_REPOSITORY_CONNECTION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The host machine the runtime repository is installed on.

Name: PORT

Type: NUMBER

Valid Values: 0 - 65535

Default: N/A

The port number of the database in which the runtime repository is installed.

Name: SERVICE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The service name of the database in which the runtime repository is installed.

Name: CONNECT_AS_USER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the database user you wish to connect to the runtime repository as.

Name: RUNTIME_REPOSITORY_OWNER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the schema in which the runtime repository is installed.

All of the preceding properties are mandatory for OMBCREATE RUNTIME_REPOSITORY_CONNECTION.

Basic properties for RUNTIME_REPOSITORY_CONNECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the runtime repository connection.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the runtime repository connection.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyValueList

The values for the named properties.

propertyValue

A property value.

Examples

```
OMBCREATE RUNTIME_REPOSITORY_CONNECTION 'NEW_RR_CONNECTION'  
SET PROPERTIES (DESCRIPTION, BUSINESS_NAME, HOST, PORT, SERVICE_  
NAME, CONNECT_AS_USER, RUNTIME_REPOSITORY_OWNER) VALUES ('this is  
a runtime repository', 'runtime repository', 'localhost', 1521, 'orcl9i', 'scott', 'runtime_  
repos') This will create a runtime repository connection named "new_repository", its  
description is "this is a runtime repository", and business name is "runtime repository".
```

See Also

OMBCREATE, OMBALTER RUNTIME_REPOSITORY_CONNECTION, OMBDROP
RUNTIME_REPOSITORY_CONNECTION

OMBCREATE SEQUENCE

Purpose

OMBCREATE SEQUENCE - To create a sequence.

Prerequisites

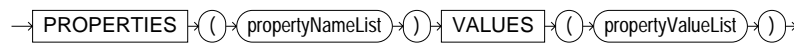
In the context of an Oracle Module.

Syntax Diagrams

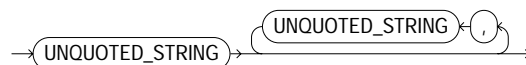
createSequenceCommand



setPropertiesClause



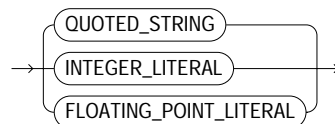
propertyNameList



propertyValueList



propertyValue



Syntax

```
createSequenceCommand = OMBCREATE ( SEQUENCE "QUOTED_STRING" [ SET
"setPropertiesClause" ] );
```

```
setPropertiesClause = PROPERTIES "(" "propertyNameList" ")" VALUES "("
"propertyValueList" " )";
```

```
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };
```

```
propertyValueList = "propertyValue" { "," "propertyValue" };
```

```
propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

createSequenceCommand

This command creates a sequence.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints. Valid properties are shown below:

Basic properties for SEQUENCE:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the sequence.

Name: CURRVAL

Type: NUMBER

Valid Values: N/A

Default: 1

current increment value.

Name: NEXTVAL

Type: NUMBER

Valid Values: N/A

Default: 1

next increment value. next increment value.

Properties for SEQUENCE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INCREMENT_BY

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Incremented By

Name: START_WITH

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Starts With

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyNameList

The list of properties.

propertyValueList

The list of property values.

propertyValue

This clause adds the property values.

Examples

OMBCREATE SEQUENCE 'new_sequence' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a new sequence', 'New Sequence') This will create a sequence named "NEW_SEQUENCE", its description is "this is a new sequence", and business name is "New Sequence".

See Also

OMBCREATE, OMBALTER SEQUENCE, OMBDROP SEQUENCE

OMBCREATE SNAPSHOT

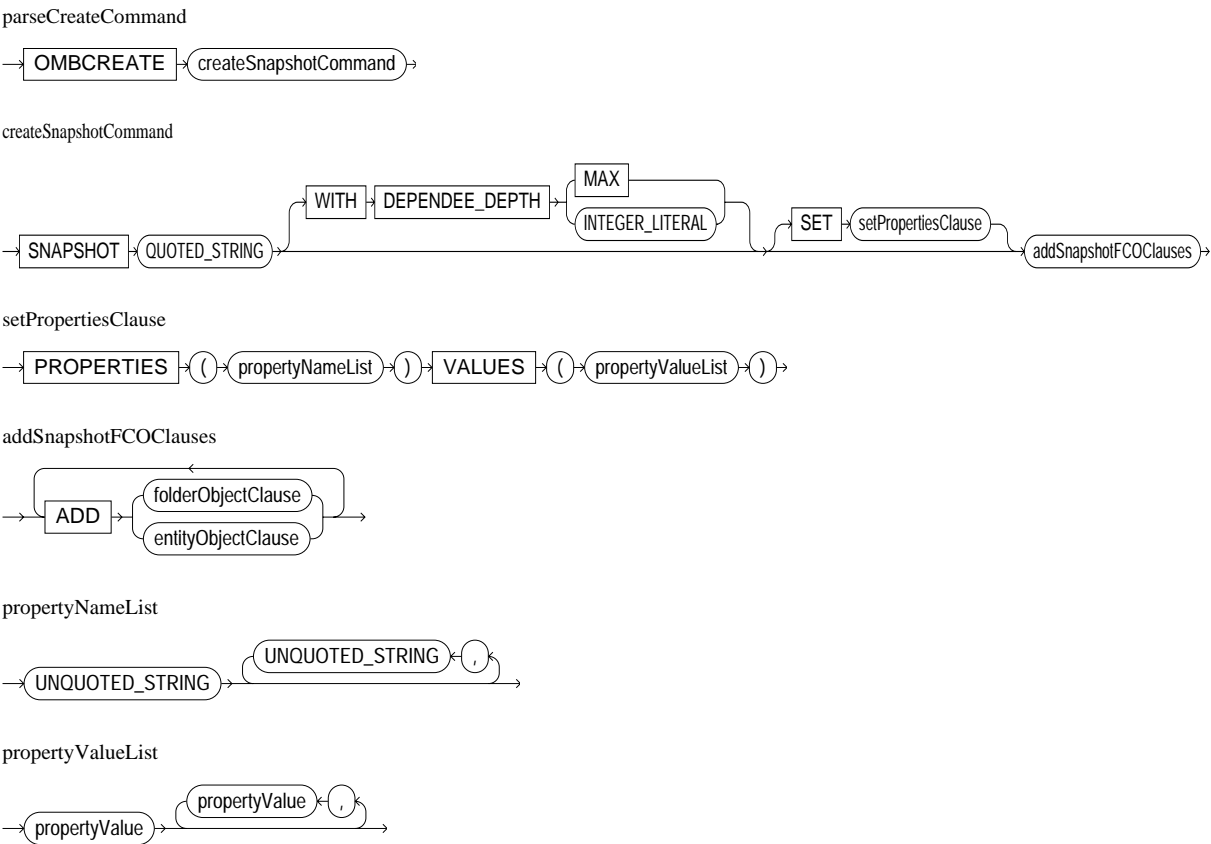
Purpose

OMBCREATE SNAPSHOT - To create a snapshot of a component.

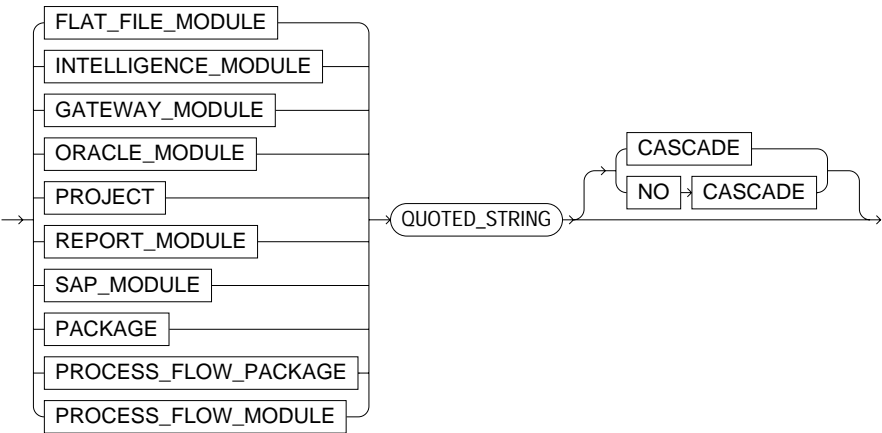
Prerequisites

Component on which snapshot is to be created should already exist. This command can be executed for any component regardless of current context.

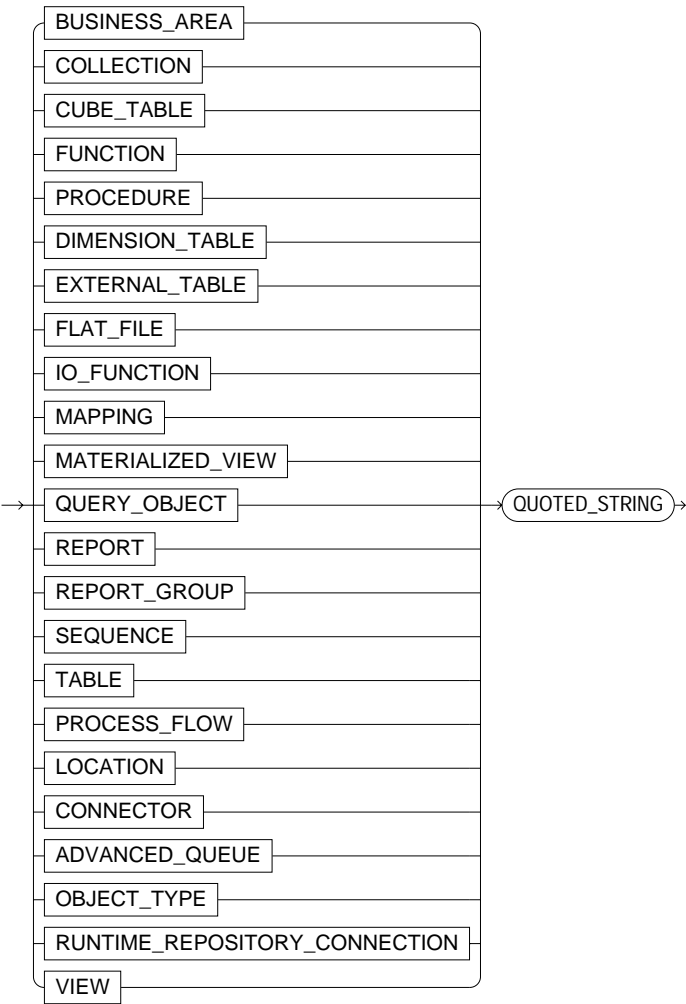
Syntax Diagrams



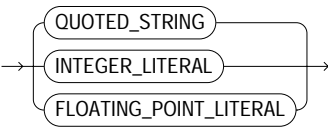
folderObjectClause



entityObjectClause



propertyValue



Syntax

```
parseCreateCommand = OMBCREATE "createSnapshotCommand";

createSnapshotCommand = ( SNAPSHOT "QUOTED_STRING" [ WITH
DEPENDEE_DEPTH ( MAX | "INTEGER_LITERAL" ) ] [ SET "setPropertiesClause" ]
"addSnapshotFCOClauses" );

setPropertiesClause = PROPERTIES "( " "propertyNameList" " )" VALUES "( "
"propertyValueList" " )";

addSnapshotFCOClauses = ( ADD ( "folderObjectClause" | "entityObjectClause" ) )+;

propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " , " "propertyValue" };

folderObjectClause = ( FLAT_FILE_MODULE | INTELLIGENCE_MODULE |
GATEWAY_MODULE | ORACLE_MODULE | PROJECT | REPORT_MODULE |
SAP_MODULE | PACKAGE | PROCESS_FLOW_PACKAGE | PROCESS_FLOW_
MODULE ) "QUOTED_STRING" [ CASCADE | NO CASCADE ];

entityObjectClause = ( ( BUSINESS_AREA | COLLECTION | CUBE_TABLE |
FUNCTION | PROCEDURE | DIMENSION_TABLE | EXTERNAL_TABLE | FLAT_
FILE | IO_FUNCTION | MAPPING | MATERIALIZED_VIEW | QUERY_OBJECT |
REPORT | REPORT_GROUP | SEQUENCE | TABLE | PROCESS_FLOW |
LOCATION | CONNECTOR | ADVANCED_QUEUE | OBJECT_TYPE | RUNTIME_
REPOSITORY_CONNECTION | VIEW ) "QUOTED_STRING" );

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );
```

Keywords and Parameters

parseCreateCommand

Root production for OMBCREATE SNAPSHOT.

createSnapshotCommand

Clause for creating snapshots.

QUOTED_STRING

Name of the snapshot to be created.

DEPENDEE_DEPTH

Optional clause to indicate whether the component's depedee components are to be included in the snapshot.

setPropertiesClause

Optional clause to set the properties of a snapshot.

Basic properties for SNAPSHOT:

Name: TYPE

Type: STRING(200)

Valid Values: FULL,SIGNATURE

Default: FULL

This is the type of snapshot

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the snapshot

PROPERTIES

Valid set of properties are DESCRIPTION and TYPE

VALUES

Values for the corresponding properties. Default values of properties for DESCRIPTION is null and valid values for TYPE are FULL or SIGNATURE

addSnapshotFCOClauses

Components to be added to the snapshot

propertyNameList

Property names for SNAPSHOT.

propertyValueList

List of property values for SNAPSHOT.

folderObjectClause

Folder components to be added to the snapshot

QUOTED_STRING

Absolute or relative path name of the component to be added to the snapshot

CASCADE

Cascade option for folder components. By default, any folder is snapshotted along with its contents. The NO CASCADE option allows the user to snapshot only the folder object itself along with its associated properties.

entityObjectClause

Any non-folder component can be added to a snapshot.

propertyValue

Allowable value types for a snapshot property.

Examples

OMBCREATE SNAPSHOT 'S1' SET PROPERTIES (DESCRIPTION, TYPE) VALUES ('this is

snapshot', 'FULL') ADD TABLE '/Project1/WH1/T1'

This will create a snapshot named S1 with the T1 table component in it. OMBCREATE SNAPSHOT 'S1' WITH DEPENDEE_DEPTH 1 SET PROPERTIES (DESCRIPTION, TYPE) VALUES('this is snapshot with dependees', 'FULL') ADD MAPPING '/Project1/WH1/MAP1' This will create snapshot named S1 with the MAP1 mapping component. This command will find all the dependee components, which in this case would be all the components which the map references. For e.g. if MAP1 contains T1,T2 and T3, then this WITH DEPENDEE_DEPTH 1 option will take a snapshot of the map MAP1 and tables T1,T2, and T3.

See Also

OMBALTER SNAPSHOT, OMBDROP SNAPSHOT, OMBRESTORE SNAPSHOT, OMBCOMPARE SNAPSHOT, OMBLIST SNAPSHOT, OMBRETRIEVE SNAPSHOT

OMBCREATE TABLE

Purpose

OMBCREATE TABLE - To create a table.

Prerequisites

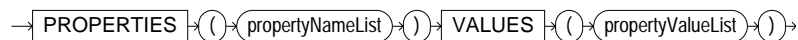
In the context of an Oracle Module.

Syntax Diagrams

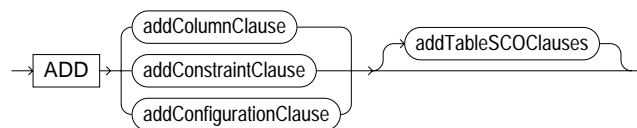
createTableCommand



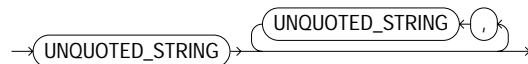
setPropertiesClause



addTableSCOClauses



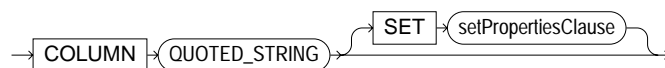
propertyNameList



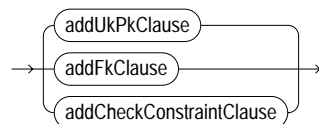
propertyValueList



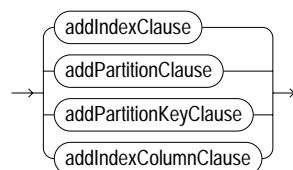
addColumnClause



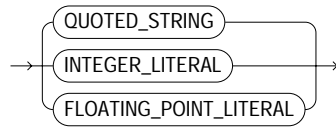
addConstraintClause



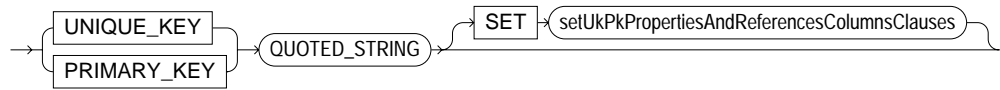
addConfigurationClause



propertyValue



addUkPkClause



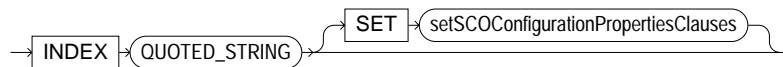
addFkClause



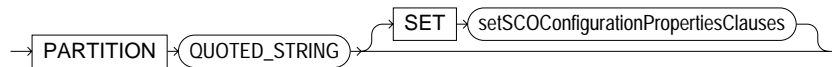
addCheckConstraintClause



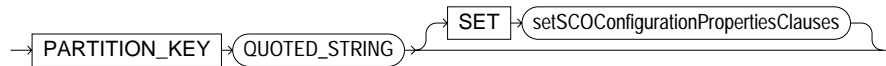
addIndexClause



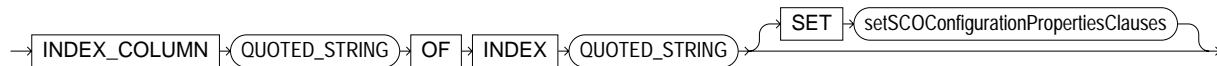
addPartitionClause



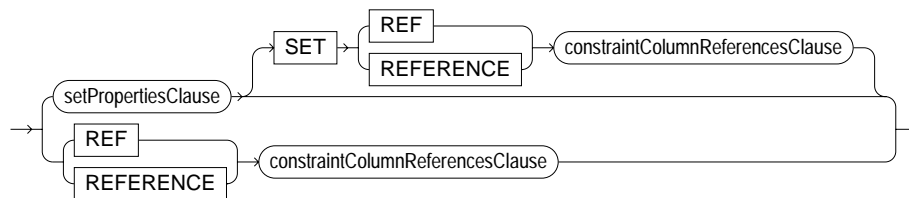
addPartitionKeyClause



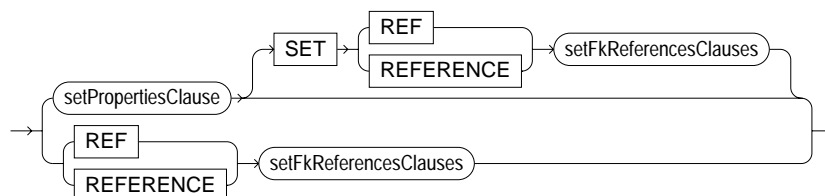
addIndexColumnClause



setUkPkPropertiesAndReferencesColumnsClauses



setFkSubClauses




```

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (
REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )
"constraintColumnReferencesClause";

setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )
"setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";

setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" ")"
VALUES "( " "propertyValueList" )";

constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" )";

setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |
REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [
SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];

quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };

constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_
STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];

```

Keywords and Parameters

createTableCommand

This command creates a table.

QUOTED_STRING

Specify the name of the table to be created.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints. Valid properties are shown below:

Basic properties for TABLE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the table

Name: UOID
Type: STRING
Valid Values: N/A
Default: N/A

Basic properties for COLUMN:

Name: BUSINESS_NAME
Type: STRING(200)
Valid Values: N/A
Default: "
Business name of the table

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the table

Name: DATATYPE
Type: STRING
Valid Values: NUMBER, VARCHAR, VARCHAR2, DATE, FLOAT
Default: NUMBER
The datatype of a column

Name: LENGTH
Type: NUMBER
Valid Values: Default: 1 The length of a number

Name: PRECISION

Type: NUMBER

Valid Values: 0 - 39

Default: 1

The precision of a number.

Name: SCALE

Type: NUMBER

Valid Values: -85 - 125

Default: 1

The scale of a number.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn.

Properties for TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT

Type: NUMBER

Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

addTableSCOClauses

This clause adds the secon class objects.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addColumnClause

This column adds a column.

addConstraintClause

Adds primary and unique key, and add check constraints.

`addConfigurationClause`

This clause will add configuration objects.

`propertyValue`

This clause adds the property values.

`addUkPkClause`

This clause adds the adds unique key and primary keys.

`QUOTED_STRING`

name of the unique key or primary key.

`addFkClause`

This clause adds foreign key

`QUOTED_STRING`

Name of the foreign key.

`addCheckConstraintClause`

add a check constraint.

`QUOTED_STRING`

Name of the CheckConstraint.

`addIndexClause`

This clause adds an index.

`QUOTED_STRING`

Name of the index.

`addPartitionClause`

This clause adds a partition.

`QUOTED_STRING`

Name of the partition.

addPartitionKeyClause

This clause adds a partition key.

QUOTED_STRING

Name of the partition key. This should be a column identifier.

addIndexColumnClause

This clause will add indexColumn to a specified index.

QUOTED_STRING

Index name

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE
RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primay key name, and the latter denotes the table's or view's name.

Examples

OMBCREATE TABLE 'new_table' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a new table', 'New Table') This will create a table named "NEW_TABLE", its description is "this is a new table", and business name is "New Table".

See Also

OMBCREATE, OMBALTER TABLE, OMBDROP TABLE

OMBCREATE VIEW

Purpose

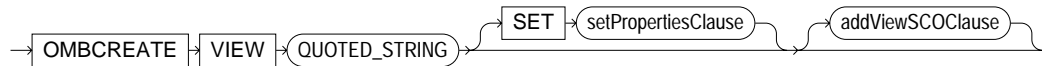
OMBCREATE VIEW - To create a view.

Prerequisites

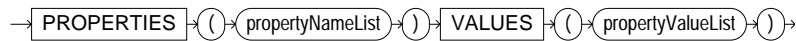
In the context of an Oracle Module.

Syntax Diagrams

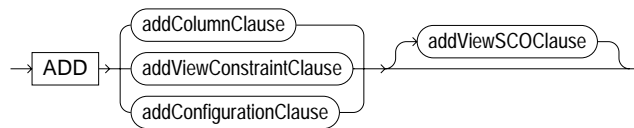
createViewCommand



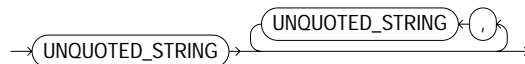
setPropertiesClause



addViewSCOClause



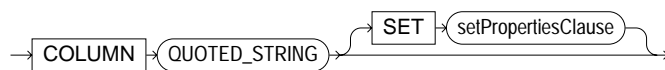
propertyNameList



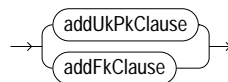
propertyValueList



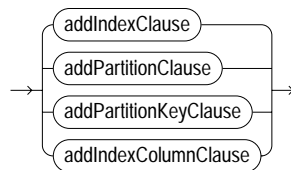
addColumnClause



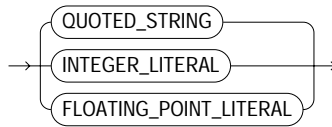
addViewConstraintClause



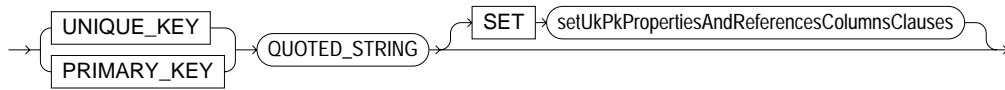
addConfigurationClause



propertyValue



addUkPkClause



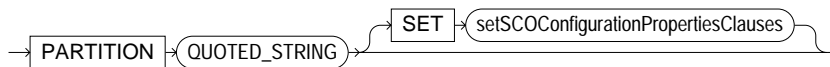
addFkClause



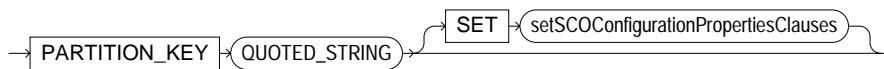
addIndexClause



addPartitionClause



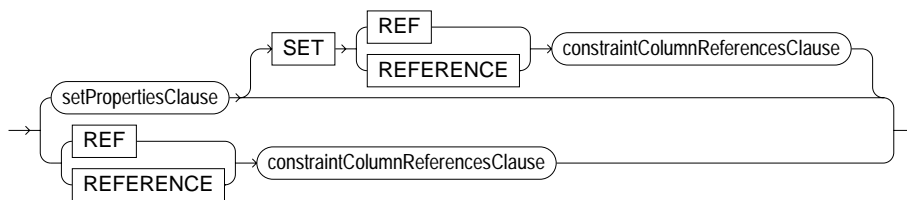
addPartitionKeyClause



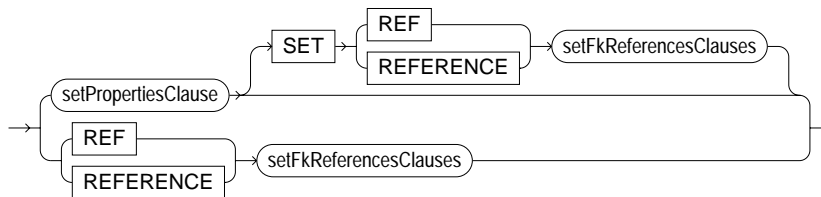
addIndexColumnClause



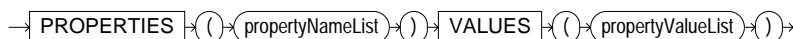
setUkPkPropertiesAndReferencesColumnsClauses



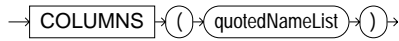
setFkSubClauses



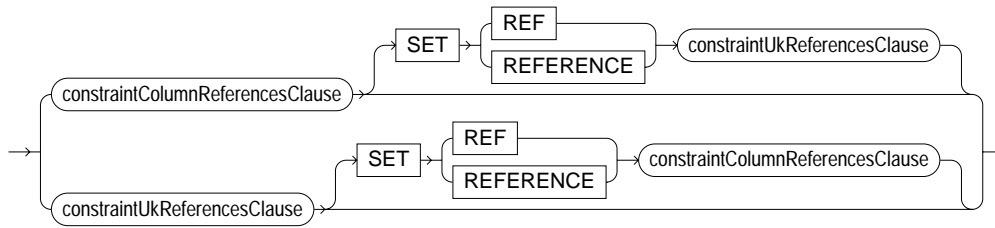
setSCOConfigurationPropertiesClauses



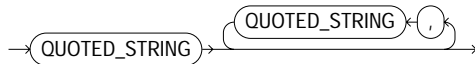
constraintColumnReferencesClause



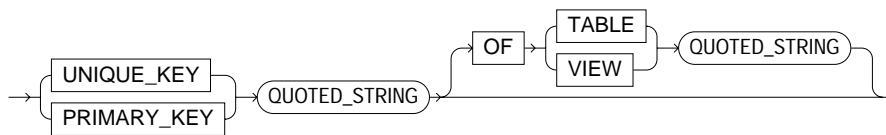
setFkReferencesClauses



quotedNameList



constraintUkReferencesClause



Syntax

```

createViewCommand = OMBCREATE ( VIEW "QUOTED_STRING" [ SET
"setPropertyClause" ] [ "addViewSCOClauses" ] );

setPropertyClause = PROPERTIES (" "propertyNameList" ") VALUES ("
"propertyValueList" ");

addViewSCOClauses = ADD ( "addColumnClause" | "addViewConstraintClause" |
"addConfigurationClause" ) [ "addViewSCOClauses" ];

propertyNameList = "UNQUOTED_STRING" { " " "UNQUOTED_STRING" };

propertyValueList = "propertyValue" { " " "propertyValue" };

addColumnClause = COLUMN "QUOTED_STRING" [ SET "setPropertyClause" ];

addViewConstraintClause = "addUkPkClause" | "addFkClause";

addConfigurationClause = "addIndexClause" | "addPartitionClause" |
"addPartitionKeyClause" | "addIndexColumnClause";

propertyValue = ( "QUOTED_STRING" | "INTEGER_LITERAL" | "FLOATING_
POINT_LITERAL" );

addUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" [ SET
"setUkPkPropertiesAndReferencesColumnsClauses" ];

addFkClause = FOREIGN_KEY "QUOTED_STRING" [ SET "setFkSubClauses" ];

addIndexClause = INDEX "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionClause = PARTITION "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];

addPartitionKeyClause = PARTITION_KEY "QUOTED_STRING" [ SET
"setSCOConfigurationPropertiesClauses" ];
  
```

```

addIndexColumnClause = INDEX_COLUMN "QUOTED_STRING" OF INDEX
"QUOTED_STRING" [ SET "setSCOConfigurationPropertiesClauses" ];

setUkPkPropertiesAndReferencesColumnsClauses = "setPropertiesClause" [ SET (
REF | REFERENCE ) "constraintColumnReferencesClause" ] | ( REF | REFERENCE )
"constraintColumnReferencesClause";

setFkSubClauses = "setPropertiesClause" [ SET ( REF | REFERENCE )
"setFkReferencesClauses" ] | ( REF | REFERENCE ) "setFkReferencesClauses";

setSCOConfigurationPropertiesClauses = PROPERTIES "( " "propertyNameList" ")"
VALUES "( " "propertyValueList" ")";

constraintColumnReferencesClause = COLUMNS "( " "quotedNameList" ")";

setFkReferencesClauses = "constraintColumnReferencesClause" [ SET ( REF |
REFERENCE ) "constraintUkReferencesClause" ] | "constraintUkReferencesClause" [
SET ( REF | REFERENCE ) "constraintColumnReferencesClause" ];

quotedNameList = "QUOTED_STRING" { " , " "QUOTED_STRING" };

constraintUkReferencesClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_
STRING" [ OF ( TABLE | VIEW ) "QUOTED_STRING" ];

```

Keywords and Parameters

createViewCommand

This command creates a view.

QUOTED_STRING

Specify the name of the view to be created.

setPropertiesClause

Used to set properties (core, logical, physical, user-defined) for tables, columns, unique keys, foreign keys, primary keys, and check constraints.

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for VIEW:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

addViewSCOClause

This clause adds components like column etc.

propertyNameList

The list of properties.

propertyValueList

The list of property values.

addColumnClause

This column adds a column.

addViewConstraintClause

This clause adds the view's configuration clause.

`addConfigurationClause`

This clause will add configuration objects.

`propertyValue`

This clause adds the property values.

`addUkPkClause`

This clause adds the adds unique key and primary keys.

`QUOTED_STRING`

name of the unique key or primary key.

`addFkClause`

This clause adds foreign key

`QUOTED_STRING`

Name of the foreign key.

`addIndexClause`

This clause adds an index.

`QUOTED_STRING`

Name of the index.

`addPartitionClause`

This clause adds a partition.

`QUOTED_STRING`

Name of the partition.

`addPartitionKeyClause`

This clause adds a partition key.

`QUOTED_STRING`

Name of the partition key. This should be a column identifier.

addIndexColumnClause

This clause will add indexColumn to a specified index.

QUOTED_STRING

Index name

setUkPkPropertiesAndReferencesColumnsClauses

This clause adds properties and references to columns

setFkSubClauses

This clause set references to a foreign key.

setSCOConfigurationPropertiesClauses

Set the configuration properties for the following objects Index: LOGGING_MODE, PARALLEL_ACCESS_MODE, TABLESPACE, INDEX_TYPE, LOCAL_INDEX, DEPLOYABLE Partition: DATE_LESS_THAN, TABLESPACE, DEPLOYABLE Partition_key: TYPE, DEPLOYABLE
RelationalCmdParser\$constraintColumnReferencesClause = This clause provides names of all columns.

constraintColumnReferencesClause

RelationalCmdParser\$constraintColumnReferencesClause??

setFkReferencesClauses

This clause sets foreign key references.

quotedNameList

This clause gives column names.

constraintUkReferencesClause

The first QUOTED_STRING denotes the UniqueKey or Primay key name, and the latter denotes the table's or view's name.

Examples

OMBCREATE VIEW 'NEW_VIEW' SET PROPERTIES (DESCRIPTION, BUSINESS_NAME) VALUES ('this is a new view', 'New View') This will create a view named "NEW_VIEW", its description is "this is a new view", and business name is "New View".

See Also

OMBCREATE, OMBALTER VIEW, OMBDROP VIEW

This chapter contains the following topics:

OMBDROP on page 5-2	OMBDROP FUNCTION on page 5-11	OMBDROP PROCESS_FLOW_MODULE on page 5-21
OMBDROP ADVANCED_QUEUE on page 5-3	OMBDROP GATEWAY_MODULE on page 5-12	OMBDROP PROCESS_FLOW_PACKAGE on page 5-22
OMBDROP COLLECTION on page 5-4	OMBDROP LOCATION on page 5-13	OMBDROP PROJECT on page 5-23
OMBDROP CONNECTOR on page 5-5	OMBDROP MAPPING on page 5-14	OMBDROP RUNTIME_REPOSITORY_CONNECTION on page 5-24
OMBDROP CUBE_TABLE on page 5-6	OMBDROP MATERIALIZED_VIEW on page 5-15	OMBDROP SAP_MODULE on page 5-25
OMBDROP DEPLOYMENT_ACTION_PLAN on page 5-7	OMBDROP OBJECT_TYPE on page 5-16	OMBDROP SEQUENCE on page 5-26
OMBDROP EXTERNAL_TABLE on page 5-8	OMBDROP ORACLE_MODULE on page 5-17	OMBDROP SNAPSHOT on page 5-27
OMBDROP FLAT_FILE on page 5-9	OMBDROP PACKAGE on page 5-18	OMBDROP TABLE on page 5-28
OMBDROP FLAT_FILE_MODULE on page 5-10	OMBDROP PROCEDURE on page 5-19	OMBDROP VIEW on page 5-29
OMBDROP FLAT_FILE_MODULE on page 5-10	OMBDROP PROCESS_FLOW on page 5-20	

OMBDROP

Purpose

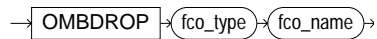
OMBDROP - Drop a component.

Prerequisites

Should be in the parent context of the component to drop.

Syntax Diagrams

dropCommand



Syntax

dropCommand = OMBDROP "fco_type" "fco_name";

Keywords and Parameters

dropCommand

Specify the component to drop.

fco_type

The type of the component.

fco_name

The physical name of the component in single quotes.

Examples

This is an example of dropping a table:

```
OMBDROP TABLE 'T1'
```

See Also

OMBCREATE, OMBALTER

OMBDROP ADVANCED_QUEUE

Purpose

OMBDROP ADVANCED_QUEUE - Delete the Advanced Queue.

Prerequisites

Should be in the context of an Oracle Module.

Syntax Diagrams

dropAQCommand



Syntax

dropAQCommand = OMBDROP ADVANCED_QUEUE "QUOTED_STRING";

Keywords and Parameters

dropAQCommand

Drops the Advanced Queue with the given name.

Examples

OMBDROP ADVANCED_QUEUE 'SOME_ADVANCED_QUEUE' This will delete the "SOME_ADVANCED_QUEUE" Advanced Queue.

See Also

OMBDROP, OMBCREATE ADVANCED_QUEUE, OMBALTER ADVANCED_QUEUE, OMBRETRIEVE ADVANCED_QUEUE

OMBDROP COLLECTION

Purpose

OMBDROP COLLECTION - Drop the collection object from this project.

Prerequisites

Should be in the context of a project, before dropping a collection.

Syntax Diagrams

dropCollectionCommand



Syntax

dropCollectionCommand = OMBDROP (COLLECTION "QUOTED_STRING");

Keywords and Parameters

dropCollectionCommand

Drop a collection of objects.

Examples

OMBDROP COLLECTION 'PURCHASING_WAREHOUSE'

See Also

OMBDROP, OMBALTER COLLECTION, OMBCREATE COLLECTION

OMBDROP CONNECTOR

Purpose

OMBDROP CONNECTOR - Delete a connector.

Prerequisites

Should be in the context of the connector's owning location.

Syntax Diagrams

dropConnectorCommand



Syntax

dropConnectorCommand = OMBDROP (CONNECTOR "QUOTED_STRING");

Keywords and Parameters

dropConnectorCommand

Drops the named connector from the repository.

Examples

OMBDROP CONNECTOR 'A_CONNECTOR' This will delete the "A_CONNECTOR" connector.

See Also

OMBDROP, OMBCREATE CONNECTOR, OMBALTER CONNECTOR

OMBDROP CUBE_TABLE

Purpose

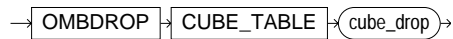
OMBDROP CUBE_TABLE - This command drops a cube.

Prerequisites

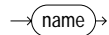
Should be in Oracle Module context.

Syntax Diagrams

OMBDropCube



cube_drop



name



Syntax

OMBDropCube = OMBDROP CUBE_TABLE “cube_drop”;

cube_drop = “name”;

name = (“QUOTED_STRING”);

Keywords and Parameters

OMBDropCube

OMBDROP CUBE_TABLE "cube_drop"

cube_drop

The name of the cube_table to be dropped.

name

The name has to be a quoted string or an integer, or a decimal number.

Examples

OMBDROP CUBE_TABLE 'CUBE1'

See Also

OMBCREATE CUBE_TABLE, OMBALTER CUBE_TABLE, OMBRETRIEVE CUBE_TABLE

OMBDROP DEPLOYMENT_ACTION_PLAN

Purpose

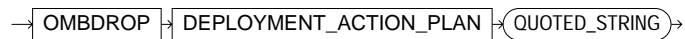
OMBDROP DEPLOYMENT_ACTION_PLAN - Remove an existing deployment action plan.

Prerequisites

There must be a current working project.

Syntax Diagrams

DropActionPlanCommand



Syntax

```
DropActionPlanCommand = ( OMBDROP ( DEPLOYMENT_ACTION_PLAN )  
"QUOTED_STRING" );
```

Keywords and Parameters

DropActionPlanCommand

Remove an existing deployment action plan.

Examples

```
OMBDROP DEPLOYMENT_ACTION_PLAN 'MY_PLAN'
```

See Also

OMBCREATE DEPLOYMENT_ACTION_PLAN, OMBDEPLOY

OMBDROP EXTERNAL_TABLE

Purpose

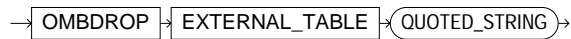
OMBDROP EXTERNAL_TABLE - Delete the external table.

Prerequisites

Should be in the context of an Oracle module.

Syntax Diagrams

dropExternalTableCommand



Syntax

dropExternalTableCommand = OMBDROP EXTERNAL_TABLE "QUOTED_STRING";

Keywords and Parameters

dropExternalTableCommand

Drop an external table from the repository.

QUOTED_STRING

The name of the external table to drop.

Examples

OMBDROP EXTERNAL_TABLE 'SRC_TABLE' This will delete the external table "SRC_TABLE".

See Also

OMBDROP, OMBCREATE EXTERNAL_TABLE, OMBALTER EXTERNAL_TABLE

OMBDROP FLAT_FILE

Purpose

OMBDROP FLAT_FILE - Delete a flat file.

Prerequisites

Should be in the context of a flat file module.

Syntax Diagrams

dropFlatFileCommand



Syntax

dropFlatFileCommand = OMBDROP FLAT_FILE "QUOTED_STRING";

Keywords and Parameters

dropFlatFileCommand

Drop a flat file.

QUOTED_STRING

The name of the flat file to drop.

Examples

OMBDROP FLAT_FILE 'SRC_FILE' This will delete the flat file "SRC_FILE".

See Also

OMBDROP, OMBCREATE FLAT_FILE, OMBALTER FLAT_FILE

OMBDROP FLAT_FILE_MODULE

Purpose

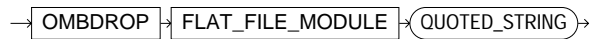
OMBDROP FLAT_FILE_MODULE - Delete a flat file module.

Prerequisites

Should be in the context of a project.

Syntax Diagrams

dropFlatFileModuleCommand



Syntax

```
dropFlatFileModuleCommand = OMBDROP ( FLAT_FILE_MODULE "QUOTED_
STRING" );
```

Keywords and Parameters

dropFlatFileModuleCommand

Drop a flat file module.

QUOTED_STRING

The name of the flat file module to drop.

Examples

OMBDROP FLAT_FILE_MODULE 'src_module' This will delete the "src_module" flat file module.

See Also

OMBDROP, OMBCREATE FLAT_FILE_MODULE, OMBALTER FLAT_FILE_MODULE

OMBDROP FUNCTION

Purpose

OMBDROP FUNCTION - Delete the Function.

Prerequisites

Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

dropFunctionCommand



Syntax

dropFunctionCommand = OMBDROP (FUNCTION "QUOTED_STRING");

Keywords and Parameters

dropFunctionCommand

Remove an existing Function.

QUOTED_STRING

Name of the existing Function in quotes.

Examples

OMBDROP FUNCTION 'func' This will delete the "func" Function. If Packaged Function is overloaded, first find the Signature by using OMBLIST command, and then use OMBALTER command using appropriate signature. Example, if OMBLIST FUNCTIONS gives following two signatures, FUNC_1 (NUMBER) RETURN NUMBER FUNC_1 (VARCHAR2, NUMBER) RETURN NUMBER The OMBDROP Syntax to drop the first one will be as follows OMBDROP FUNCTION 'FUNC_1 \ (NUMBER\) RETURN NUMBER'

See Also

OMBDROP, OMBCREATE FUNCTION, OMBALTER FUNCTION

OMBDROP GATEWAY_MODULE

Purpose

OMBDROP GATEWAY_MODULE - Drop a gateway module.

Prerequisites

Should be in the context of project.

Syntax Diagrams

dropGatewayModuleCommand



Syntax

```
dropGatewayModuleCommand = OMBDROP ( GATEWAY_MODULE "QUOTED_
STRING" );
```

Keywords and Parameters

dropGatewayModuleCommand

Specify the gateway module to be dropped.

Examples

The following example drops a gateway module named IFMX:

```
OMBDROP GATEWAY_MODULE 'IFMX'
```

See Also

OMBDROP, OMBCREATE GATEWAY_MODULE, OMBALTER GATEWAY_MODULE

OMBDROP LOCATION

Purpose

OMBDROP LOCATION - Delete the location.

Prerequisites

Should be in the context of a project.

Syntax Diagrams

dropLocationCommand



Syntax

dropLocationCommand = OMBDROP (LOCATION "QUOTED_STRING");

Keywords and Parameters

dropLocationCommand

Drop a location from the design repository.

Examples

OMBDROP LOCATION 'OLD_LOCATION' This will delete the location "OLD_LOCATION".

See Also

OMBDROP, OMBCREATE LOCATION, OMBALTER LOCATION

OMBDROP MAPPING

Purpose

OMBDROP MAPPING - Drop an existing mapping.

Prerequisites

The current context of scripting must be an Oracle

Syntax Diagrams

dropMappingCommand



mappingName



Syntax

dropMappingCommand = OMBDROP MAPPING “mappingName”;

mappingName = “QUOTED_STRING”;

Keywords and Parameters

dropMappingCommand

Drop an existing mapping.

mappingName

Name of the mapping.

Examples

OMBDROP MAPPING 'MAP1'

See Also

OWBDROP, OMBCREATE MAPPING, OMBALTER MAPPING, OMBRETRIEVE MAPPING

OMBDROP MATERIALIZED_VIEW

Purpose

OMBDROP MATERIALIZED_VIEW - To drop a materialized view.

Prerequisites

In the context of an Oracle Module.

Syntax Diagrams

dropMaterializedViewCommand



Syntax

dropMaterializedViewCommand = OMBDROP MATERIALIZED_VIEW "QUOTED_STRING";

Keywords and Parameters

dropMaterializedViewCommand

This clause drops a MaterializedView.

Examples

OMBDROP MATERIALIZED_VIEW 'NEW_MATERIALIZED_VIEW'.

See Also

OMBRETRIEVE MATERIALIZED_VIEW, OMBCREATE MATERIALIZED_VIEW,
OMBALTER MATERIALIZED_VIEW

OMBDROP OBJECT_TYPE

Purpose

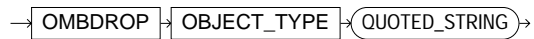
OMBDROP OBJECT_TYPE - Delete the Object Type.

Prerequisites

Should be in the context of an Oracle Module.

Syntax Diagrams

dropObjectTypeCommand



Syntax

dropObjectTypeCommand = OMBDROP OBJECT_TYPE "QUOTED_STRING";

Keywords and Parameters

dropObjectTypeCommand

Drops the Object Type with given name.

Examples

OMBDROP OBJECT_TYPE 'SOME_OBJECT_TYPE' This will delete the "SOME_OBJECT_TYPE" Object Type.

See Also

OMBDROP, OMBCREATE OBJECT_TYPE, OMBALTER OBJECT_TYPE

OMBDROP ORACLE_MODULE

Purpose

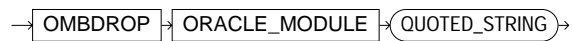
OMBDROP ORACLE_MODULE - Delete the Oracle module.

Prerequisites

Should be in the context of project.

Syntax Diagrams

dropOracleModuleCommand



Syntax

```
dropOracleModuleCommand = OMBDROP ( ORACLE_MODULE "QUOTED_
STRING" );
```

Keywords and Parameters

dropOracleModuleCommand

Remove an existing Oracle module.

QUOTED_STRING

Name of the existing Oracle module in quotes.

Examples

OMBDROP ORACLE_MODULE 'src_module' This will delete the "src_module" Oracle module.

See Also

OMBDROP, OMBCREATE ORACLE_MODULE, OMBALTER ORACLE_MODULE

OMBDROP PACKAGE

Purpose

OMBDROP PACKAGE - Delete the Package.

Prerequisites

Should be in the context of a Oracle Module or Transformation Module.

Syntax Diagrams

dropPackageCommand



Syntax

dropPackageCommand = OMBDROP (PACKAGE "QUOTED_STRING");

Keywords and Parameters

dropPackageCommand

Remove an existing Package.

QUOTED_STRING

Name of the existing Package in quotes.

Examples

OMBDROP PACKAGE 'package_1' This will delete the "package_1" Package.

See Also

OMBDROP, OMBCREATE PACKAGE, OMBALTER PACKAGE

OMBDROP PROCEDURE

Purpose

OMBDROP PROCEDURE - Delete the Procedure.

Prerequisites

Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

dropProcedureCommand



Syntax

dropProcedureCommand = OMBDROP (PROCEDURE "QUOTED_STRING");

Keywords and Parameters

dropProcedureCommand

Remove an existing Procedure.

QUOTED_STRING

Name of the existing Procedure in quotes.

Examples

OMBDROP PROCEDURE 'proc' This will delete the "proc" Procedure. If Packaged Function is overloaded, first find the Signature by using OMBLIST command, and then use OMBALTER command using appropriate signature. Example, if OMBLIST PROCEDURES gives following two signatures, PROC_1 (NUMBER) PROC_1 (VARCHAR2, NUMBER) The OMBDROP Syntax to drop the first one will be as follows OMBDROP PROCEDURE 'PROC_1 \ (NUMBER\)

See Also

OMBDROP, OMBCREATE PROCEDURE, OMBALTER PROCEDURE

OMBDROP PROCESS_FLOW

Purpose

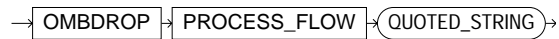
OMBDROP PROCESS_FLOW - Delete the Process Flow.

Prerequisites

Should be in the context of a Process Flow Package.

Syntax Diagrams

dropProcessFlowCommand



Syntax

dropProcessFlowCommand = OMBDROP (PROCESS_FLOW "QUOTED_STRING");

Keywords and Parameters

dropProcessFlowCommand

Delete a process flow.

Examples

OMBDROP PROCESS_FLOW 'process_flow' This will delete the "process_flow"
Process Flow.

See Also

OMBDROP, OMBCREATE PROCESS_FLOW, OMBALTER PROCESS_FLOW

OMBDROP PROCESS_FLOW_MODULE

Purpose

OMBDROP PROCESS_FLOW_MODULE - Delete the Process Flow Module.

Prerequisites

Should be in the context of a project.

Syntax Diagrams

dropProcessFlowModuleCommand



Syntax

```
dropProcessFlowModuleCommand = OMBDROP ( PROCESS_FLOW_MODULE  
"QUOTED_STRING" );
```

Keywords and Parameters

dropProcessFlowModuleCommand

Drop an existing process flow module.

Examples

OMBDROP PROCESS_FLOW_MODULE 'process_module' This will delete the "process_module" Process Flow Module.

See Also

OMBDROP, OMBCREATE PROCESS_FLOW_MODULE, OMBALTER PROCESS_FLOW_MODULE

OMBDROP PROCESS_FLOW_PACKAGE

Purpose

OMBDROP PROCESS_FLOW_PACKAGE - Delete the Process Flow Package.

Prerequisites

Should be in the context of a Process Flow Module.

Syntax Diagrams

dropProcessFlowPackageCommand



Syntax

```
dropProcessFlowPackageCommand = OMBDROP ( PROCESS_FLOW_PACKAGE  
"QUOTED_STRING" );
```

Keywords and Parameters

dropProcessFlowPackageCommand

Delete a process flow package.

Examples

OMBDROP PROCESS_FLOW_PACKAGE 'process_package' This will delete the "process_package" Process Flow Package.

See Also

OMBDROP, OMBCREATE PROCESS_FLOW_PACKAGE, OMBALTER PROCESS_FLOW_PACKAGE

OMBDROP PROJECT

Purpose

OMBDROP PROJECT - Delete the project.

Prerequisites

Should be in the top level context.

Syntax Diagrams

dropProjectCommand



Syntax

dropProjectCommand = OMBDROP (PROJECT "QUOTED_STRING");

Keywords and Parameters

dropProjectCommand

Remove an existing project.

QUOTED_STRING

Name of the existing project in quotes.

Examples

OMBDROP PROJECT 'New Project' This will delete the "New Project" project.

See Also

OMBDROP, OMBCREATE PROJECT, OMBALTER PROJECT

OMBDROP RUNTIME_REPOSITORY_CONNECTION

Purpose

OMBDROP RUNTIME_REPOSITORY_CONNECTION - Delete the runtime repository connection.

Prerequisites

Should be in the context of a project.

Syntax Diagrams

dropRuntimeRepositoryCommand



Syntax

```
dropRuntimeRepositoryCommand = OMBDROP ( RUNTIME_REPOSITORY_
CONNECTION "QUOTED_STRING" );
```

Keywords and Parameters

dropRuntimeRepositoryCommand

Drop the runtime repository connection from the repository.

Examples

OMBDROP RUNTIME_REPOSITORY_CONNECTION 'MY_CONNECTION' This will delete the "MY_CONNECTION" runtime repository connection.

See Also

OMBDROP, OMBCREATE RUNTIME_REPOSITORY_CONNECTION, OMBALTER RUNTIME_REPOSITORY_CONNECTION

OMBDROP SAP_MODULE

Purpose

OMBDROP SAP_MODULE - Remove an existing SAP module.

Prerequisites

You must open a project to drop a SAP module.

Syntax Diagrams

dropSAPModuleCommand



Syntax

dropSAPModuleCommand = OMBDROP (SAP_MODULE "QUOTED_STRING");

Keywords and Parameters

dropSAPModuleCommand

Remove an existing SAP module.

Examples

OMBDROP SAP_MODULE 'src_module' This will delete the "src_module" SAP module.

See Also

OMBDROP

OMBDROP SEQUENCE

Purpose

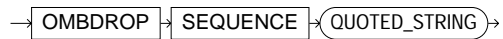
OMBDROP SEQUENCE - To drop a sequence.

Prerequisites

In the context of an Oracle Module.

Syntax Diagrams

dropSequenceCommand



Syntax

dropSequenceCommand = OMBDROP SEQUENCE “QUOTED_STRING”;

Keywords and Parameters

dropSequenceCommand

This clause drops a Sequence.

Examples

OMBDROP SEQUENCE 'new_sequence'.

See Also

OMBRETRIEVE SEQUENCE, OMBCREATE SEQUENCE, OMBALTER SEQUENCE

OMBDROP SNAPSHOT

Purpose

OMBDROP SNAPSHOT - A snapshot can be dropped.

Prerequisites

The snapshot to be dropped should already exist. This command can be executed for any snapshot regardless of current context.

Syntax Diagrams

parseDropCommand



Syntax

parseDropCommand = OMBDROP (SNAPSHOT "QUOTED_STRING");

Keywords and Parameters

parseDropCommand

To drop a snapshot.

QUOTED_STRING

Name of snapshot to be dropped.

Examples

OMBDROP SNAPSHOT 'S1'

See Also

OMBCREATE SNAPSHOT, OMBALTER SNAPSHOT, OMBRESTORE SNAPSHOT,
OMBCOMPARE SNAPSHOT, OMBLIST SNAPSHOT, OMBRETRIEVE SNAPSHOT

OMBDROP TABLE

Purpose

OMBDROP TABLE - To drop a table.

Prerequisites

In the context of an Oracle Module.

Syntax Diagrams

dropTableCommand



Syntax

dropTableCommand = OMBDROP TABLE “QUOTED_STRING”;

Keywords and Parameters

dropTableCommand

This clause drops a table.

Examples

OMBDROP TABLE 'old_table'.

See Also

OMBRETRIEVE TABLE, OMBCREATE TABLE, OMBALTER TABLE

OMBDROP VIEW

Purpose

OMBDROP VIEW - To drop a view.

Prerequisites

In the context of an Oracle Module.

Syntax Diagrams

dropViewCommand



Syntax

dropViewCommand = OMBDROP VIEW “QUOTED_STRING”;

Keywords and Parameters

dropViewCommand

This clause drops a View.

Examples

OMBDROP VIEW 'NEW_VIEW'.

See Also

OMBRETRIEVE VIEW, OMBCREATE VIEW, OMBALTER VIEW

OMBRETRIEVE

This chapter contains the following topics:

OMBRETRIEVE on page 6-2	OMBRETRIEVE FUNCTION on page 6-39	OMBRETRIEVE PROCESS_FLOW_MODULE on page 6-161
OMBRETRIEVE ADVANCED_QUEUE on page 6-4	OMBRETRIEVE GATEWAY_MODULE on page 6-44	OMBRETRIEVE PROCESS_FLOW_PACKAGE on page 6-163
OMBRETRIEVE COLLECTION on page 6-7	OMBRETRIEVE LOCATION on page 6-46	OMBRETRIEVE PROJECT on page 6-165
OMBRETRIEVE CONNECTOR on page 6-11	OMBRETRIEVE MAPPING on page 6-48	OMBRETRIEVE RUNTIME_REPOSITORY_CONNECTION on page 6-167
OMBRETRIEVE CUBE_TABLE on page 6-13	OMBRETRIEVE MATERIALIZED_VIEW on page 6-124	OMBDROP SAP_MODULE on page 6-170
OMBRETRIEVE DEPLOYMENT_ACTION_PLAN on page 6-22	OMBRETRIEVE OBJECT_TYPE on page 6-136	OMBRETRIEVE SEQUENCE on page 6-172
OMBRETRIEVE EXTERNAL_TABLE on page 6-24	OMBRETRIEVE ORACLE_MODULE on page 6-139	OMBRETRIEVE SNAPSHOT on page 6-175
OMBRETRIEVE FLAT_FILE on page 6-29	OMBRETRIEVE PACKAGE on page 6-147	OMBRETRIEVE TABLE on page 6-177
OMBRETRIEVE FLAT_FILE_MODULE on page 6-37	OMBRETRIEVE PROCEDURE on page 6-150	OMBRETRIEVE VIEW on page 6-189
OMBRETRIEVE FLAT_FILE_MODULE on page 6-37	OMBRETRIEVE PROCESS_FLOW on page 6-155	

OMBRETRIEVE

Purpose

OMBRETRIEVE - Retrieve metadata of a component.

Prerequisites

Can be in any context. Component to retrieve can be specified by either absolute or relative path.

Syntax Diagrams

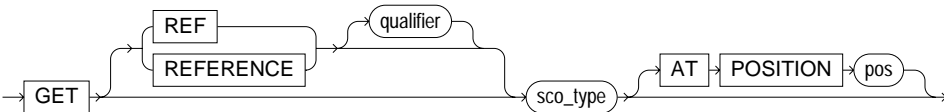
retrieveCommand



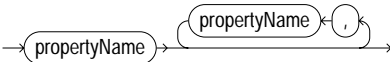
getPropertiesClause



getSCOClause



propertyNameList



propertyName



Syntax

```
retrieveCommand = OMBRETRIEVE "fco_type" "fco_name" { "sco_type" "sco_name" } ( "getPropertiesClause" | "getSCOClause" );
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
getSCOClause = GET [ ( REF | REFERENCE ) [ "qualifier" ] ] "sco_type" [ AT POSITION "pos" ];
propertyNameList = "propertyName" { "," "propertyName" };
propertyName = "UNQUOTED_STRING";
```

Keywords and Parameters

`retrieveCommand`

Specify the component from which to retrieve metadata.

`fco_type`

The type of the component.

fco_name

The physical name of the component in single quotes.

getPropertiesClause

Retrieve properties of an object.

getSCOClause

Retrieve a list of child object names of a given type.

qualifier

Specify which reference to set, if there are more than one pointing to the same type.

propertyNameList

A list of property names.

propertyName

An unquoted string representing the name of a property.

Examples

This is an example for retrieving the description a table:

```
OMBRETRIEVE TABLE 'T1' GET PROPERTIES (DESCRIPTION)
```

The following statement retrieves the datatype and length of a view column:

```
OMBRETRIEVE VIEW 'V1' COLUMN 'COL1'  
GET PROPERTIES (DATATYPE, LENGTH)
```

See Also

OMBCREATE, OMBALTER

OMBRETRIEVE ADVANCED_QUEUE

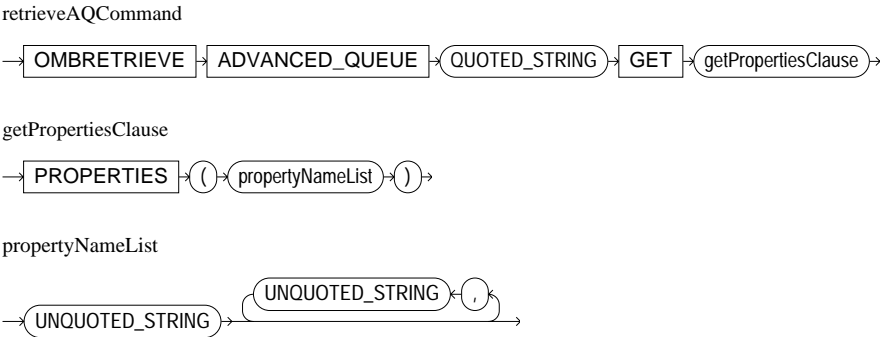
Purpose

OMBRETRIEVE ADVANCED_QUEUE - Retrieve details of the Advanced Queue.

Prerequisites

Should be in the context of an Oracle Module.

Syntax Diagrams



Syntax

```
retrieveAQCommand = OMBRETRIEVE ADVANCED_QUEUE "QUOTED_STRING"
( GET "getPropertiesClause" );

getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";

propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveAQCommand
Retrieves the details of the Advanced Queue with the given name.

getPropertiesClause
Retrieves the values of the given Properties for the Advanced Queue with the given name.

Basic properties for ADVANCED_QUEUE:

Name: BUSINESS_NAME
Type: STRING(200)
Valid Values: N/A
Default: "
Business name of the Advanced Queue

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Advanced Queue

Name: PAYLOAD_TYPE

Type: STRING(4000)

Valid Values: N/A

Default: "

PayLoad Type of the Advanced Queue. This has to be the name of an Object Type(OBJECT_TYPE) existing in the same Oracle Module.

Properties for ADVANCED_QUEUE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true.

Name: GENERATE_ADVANCED_QUEUE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the Advanced Queue.

Name: GENERATE_OBJECT_TYPE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate a script to create the Object Type.

Name: GENERATE_QUEUE_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate code to create the queue table that will persist the messages of this Advanced Queue.

Name: GENERATE_TEMPORARY_TABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate the code to create the temporary table.

Name: QUEUE_TABLE_NAME

Type: STRING(30)

Valid Values: N/A

Default: "

The name of the queue table that is used to persist the messages in this Advanced Queue.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

The list of properties.

Examples

OMBRETRIEVE ADVANCED_QUEUE 'SOME_ADVANCED_QUEUE' GET PROPERTIES (TABLESPACE, QUEUE_TABLE_NAME) This will retrieve the Advanced Queue "SOME_ADVANCED_QUEUE"'s properties TableSpace and Queue Table name.

See Also

OMBRETRIEVE, OMBALTER ADVANCED_QUEUE, OMBCREATE ADVANCED_QUEUE, OMBDROP ADVANCED_QUEUE

OMBRETRIEVE COLLECTION

Purpose

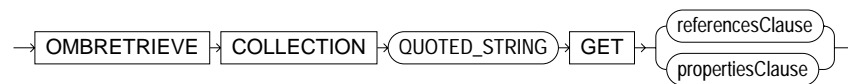
OMBRETRIEVE COLLECTION - Retrieve details of the collection, including its shortcuts.

Prerequisites

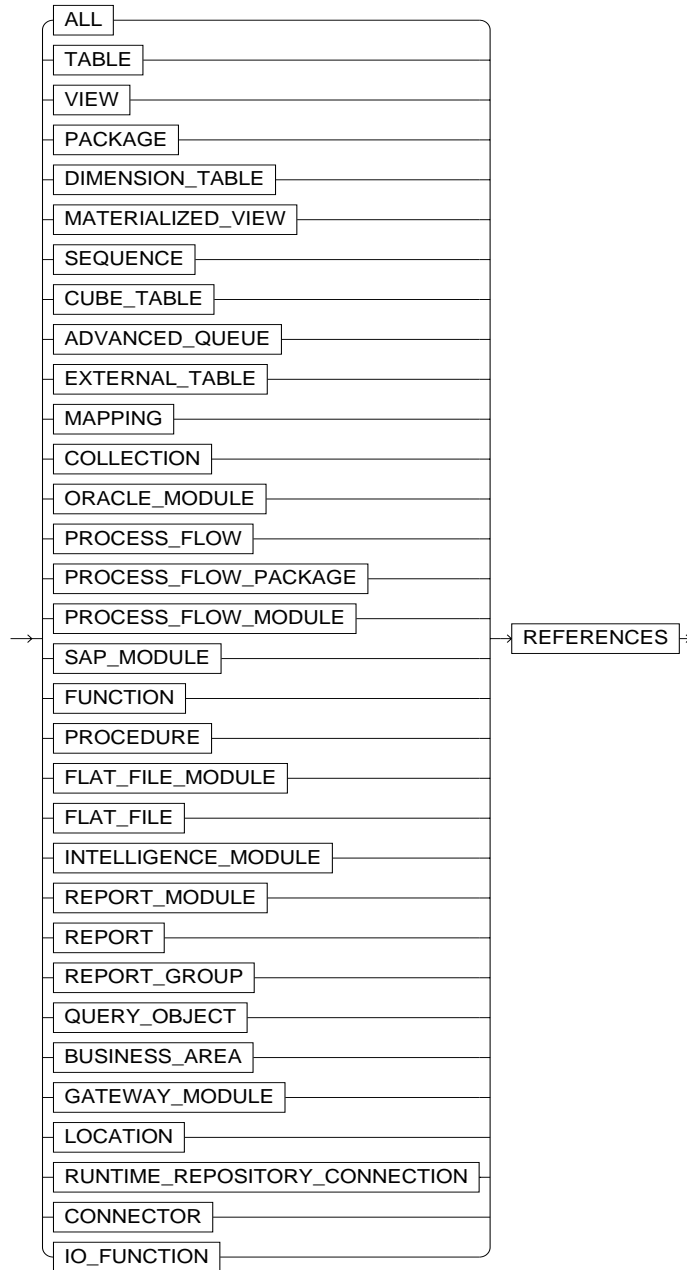
Should be in the context of a project, before retrieving a collection.

Syntax Diagrams

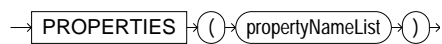
retrieveCollectionCommand



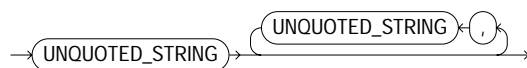
referencesClause



propertiesClause



propertyNameList



Syntax

```
retrieveCollectionCommand = OMBRETRIEVE COLLECTION "QUOTED_STRING"
GET (( "referencesClause" | "propertiesClause" ));
```



```

referencesClause = ( ALL | TABLE | VIEW | PACKAGE | DIMENSION_TABLE |
MATERIALIZED_VIEW | SEQUENCE | CUBE_TABLE | ADVANCED_QUEUE |
EXTERNAL_TABLE | MAPPING | COLLECTION | ORACLE_MODULE |
PROCESS_FLOW | PROCESS_FLOW_PACKAGE | PROCESS_FLOW_MODULE |
SAP_MODULE | FUNCTION | PROCEDURE | FLAT_FILE_MODULE | FLAT_FILE
| INTELLIGENCE_MODULE | REPORT_MODULE | REPORT | REPORT_GROUP |
QUERY_OBJECT | BUSINESS_AREA | GATEWAY_MODULE | LOCATION |
RUNTIME_REPOSITORY_CONNECTION | CONNECTOR | IO_FUNCTION )
REFERENCES;

propertiesClause = PROPERTIES "(" "propertyNameList" ")";
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };

```

Keywords and Parameters

retrieveCollectionCommand

Retrieve details regarding a collection of objects.

referencesClause

Specify the type of references to retrieve from the collection.

propertiesClause

Retrieve values for a number of properties.

Basic properties for COLLECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the collection

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the collection

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

propertyNameList

Comma separated list of property names to retrieve values. Property names are unquoted.

Examples

OMBRETRIEVE COLLECTION 'Purchasing Warehouse' GET TABLE REFERENCES

See Also

OMBLIST

OMBRETRIEVE CONNECTOR

Purpose

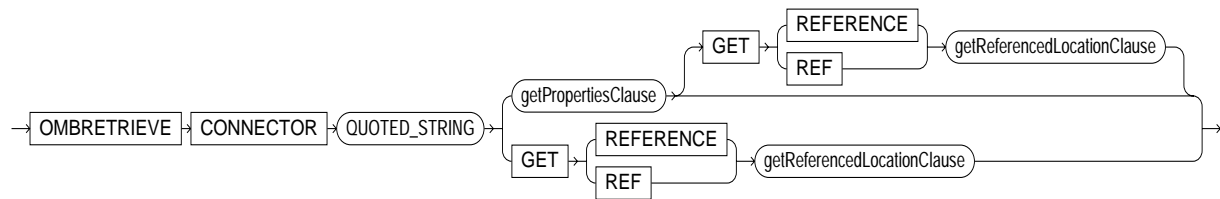
OMBRETRIEVE CONNECTOR - Retrieve details from a connector.

Prerequisites

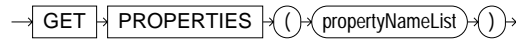
Should be in the context of the connector's owning location.

Syntax Diagrams

retrieveConnectorCommand



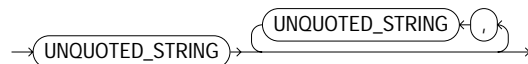
getPropertiesClause



getReferencedLocationClause



propertyNameList



Syntax

```

retrieveConnectorCommand = OMBRETRIEVE CONNECTOR "QUOTED_STRING"
( ( "getPropertiesClause" [ GET ( REFERENCE | REF )
"getReferencedLocationClause" ] ) | GET ( REFERENCE | REF )
"getReferencedLocationClause" );

```

```

getPropertiesClause = GET PROPERTIES "( " "propertyNameList" " )";

```

```

getReferencedLocationClause = LOCATION;

```

```

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

```

Keywords and Parameters

retrieveConnectorCommand

Retrieve details from the named connector.

getPropertiesClause

Get properties of the connector.

getReferencedLocationClause

Get the name of the location which the connector references.

propertyNameList

The names of the properties whose values you want to set.

Properties for CONNECTOR:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those objects marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

Examples

OMBRETRIEVE CONNECTOR 'A_CONNECTOR' GET PROPERTIES
(DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the connector "A_CONNECTOR"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE CUBE_TABLE

Purpose

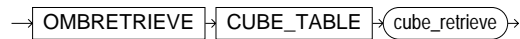
OMBRETRIEVE CUBE_TABLE - This command retrieves a cube.

Prerequisites

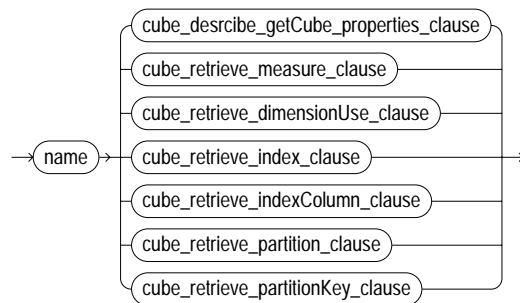
Should be in Oracle Module context.

Syntax Diagrams

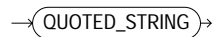
OMBRetrieveCube



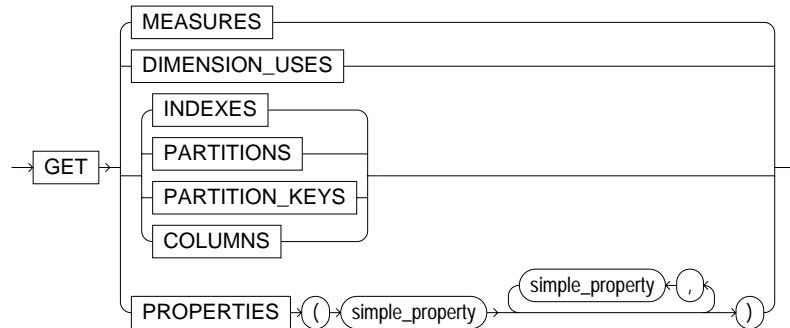
cube_retrieve



name



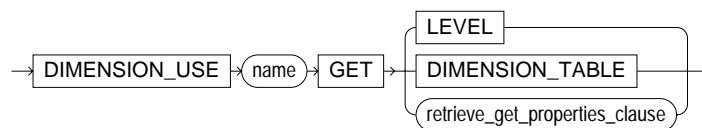
cube_describe_getCube_properties_clause



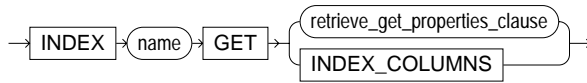
cube_retrieve_measure_clause



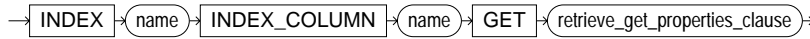
cube_retrieve_dimensionUse_clause



cube_retrieve_index_clause



cube_retrieve_indexColumn_clause



cube_retrieve_partition_clause



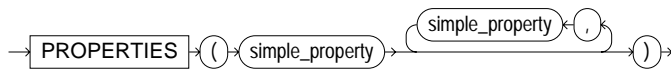
cube_retrieve_partitionKey_clause



simple_property



retrieve_get_properties_clause



Syntax

```

OMBRetrieveCube = OMBRETRIEVE CUBE_TABLE "cube_retrieve";

cube_retrieve = "name" ( "cube_describe_getCube_properties_clause" | "cube_
retrieve_measure_clause" | "cube_retrieve_dimensionUse_clause" | "cube_retrieve_
index_clause" | "cube_retrieve_indexColumn_clause" | "cube_retrieve_partition_
clause" | "cube_retrieve_partitionKey_clause" );

name = ( "QUOTED_STRING" );

cube_describe_getCube_properties_clause = GET ( MEASURES | DIMENSION_USES
| ( INDEXES | PARTITIONS | PARTITION_KEYS | COLUMNS ) | ( PROPERTIES
"(" ( "simple_property" { "," "simple_property" } ) ")" ) );

cube_retrieve_measure_clause = MEASURE "name" GET "retrieve_get_properties_
clause";

cube_retrieve_dimensionUse_clause = DIMENSION_USE "name" GET ( LEVEL |
DIMENSION_TABLE | "retrieve_get_properties_clause" );

cube_retrieve_index_clause = INDEX "name" GET ( "retrieve_get_properties_clause"
| INDEX_COLUMNS );

cube_retrieve_indexColumn_clause = INDEX "name" INDEX_COLUMN "name"
GET "retrieve_get_properties_clause";

cube_retrieve_partition_clause = PARTITION "name" GET "retrieve_get_properties_
clause";

cube_retrieve_partitionKey_clause = PARTITION_KEY "name" GET "retrieve_get_
properties_clause";

simple_property = "UNQUOTED_STRING";

retrieve_get_properties_clause = PROPERTIES "( ( "simple_property" { "," "simple_
property" } ) )";
  
```

Keywords and Parameters

OMBRetrieveCube

This command retrieves properties of a cube_table.

cube_retrieve

This clause retrieves the properties of a cube_table, measures, dimensionUses, index, indexColumn, partition, partitionKey.

name

The name has to be a quoted string or an integer, or a decimal number.

cube_describe_getCube_properties_clause

gets all measures, dimensionUses, partition, partitionKeys etc.

cube_retrieve_measure_clause

This clause gets the measure properties.

cube_retrieve_dimensionUse_clause

This clause retrieves dimensionUses and its properties.

cube_retrieve_index_clause

Get the index properties or IndexColumns.

cube_retrieve_indexColumn_clause

Get the IndexColumn property.

cube_retrieve_partition_clause

Get the partition property.

cube_retrieve_partitionKey_clause

Get the partitionKey property.

simple_property

gets the simple property.

UNQUOTED_STRING

Name of the simple property.

retrieve_get_properties_clause
Get the simple properties.

Basic properties for TABLE:

Name: BUSINESS_NAME
Type: STRING(200)
Valid Values: N/A
Default: "
Business name of the table

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the table

Name: UOID
Type: STRING
Valid Values: N/A
Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION
Type: STRING(4000)
Valid Values: N/A
Default: "
Description of the Index, Partition, PartitionKey, IndexColumn

Properties for CUBE_TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT
Type: NUMBER
Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

Examples

```
OMBRETRIEVE CUBE_TABLE 'CUBE1' GET MEASURES OMBRETRIEVE CUBE_
TABLE 'CUBE1' GET DIMENSION_USES
```

See Also

```
OMBCREATE CUBE_TABLE, OMBDROP CUBE_TABLE, OMBALTER CUBE_TABLE
```

OMBRETRIEVE DEPLOYMENT_ACTION_PLAN

Purpose

OMBRETRIEVE DEPLOYMENT_ACTION_PLAN - Retrieve the details of an existing deployment action plan.

Prerequisites

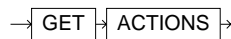
There must be a current working project.

Syntax Diagrams

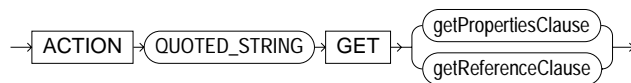
RetrieveActionPlanCommand



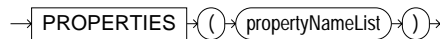
getActionsClause



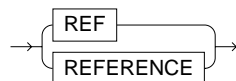
retrieveActionCode



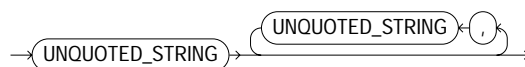
getPropertiesClause



getReferenceClause



propertyNameList



Syntax

```
RetrieveActionPlanCommand = OMBRETRIEVE ( DEPLOYMENT_ACTION_PLAN )
                             "QUOTED_STRING" ( "getActionsClause" | "retrieveActionCode" );
```

```
getActionsClause = GET ACTIONS;
```

```
retrieveActionCode = ACTION "QUOTED_STRING" ( GET ( "getPropertiesClause"
| "getReferenceClause" ) );
```

```
getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";
```

```
getReferenceClause = ( REF | REFERENCE );
```

```
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

RetrieveActionPlanCommand

Retrieve the details of an existing deployment action plan.

getActionsClause

Get a list of actions from an action plan.

retrieveActionCode

Retrieve a set of properties or the associated object of an action.

getPropertiesClause

Retrieve a set of properties that is associated with an action.

PROPERTIES

The only valid property is OPERATION, which specifies the type of action to be taken.

getReferenceClause

Retrieve the object associated with an action.

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

```
OMBRETRIEVE DEPLOYMENT_ACTION_PLAN 'MY_PLAN' GET ACTIONS
```

```
OMBRETRIEVE DEPLOYMENT_ACTION_PLAN 'MY_PLAN' ACTION 'MY_VIEW_
CREATE'
```

```
GET PROPERTIES (OPERATION)
```

```
OMBRETRIEVE DEPLOYMENT_ACTION_PLAN 'MY_PLAN' ACTION 'MY_
TABLE_DEPLOY'
```

```
GET REFERENCE
```

See Also

OMBCREATE DEPLOYMENT_ACTION_PLAN, OMBDEPLOY

OMBRETRIEVE EXTERNAL_TABLE

Purpose

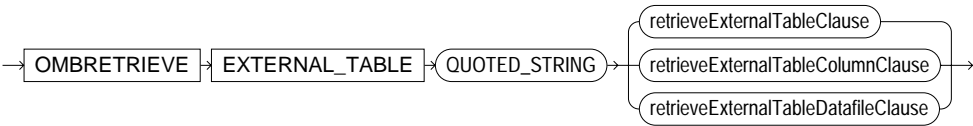
OMBRETRIEVE EXTERNAL_TABLE - Retrieve details of an external table.

Prerequisites

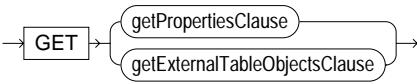
Should be in the context of an Oracle module.

Syntax Diagrams

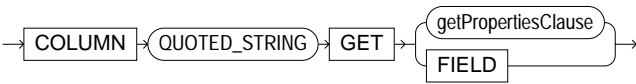
retrieveExternalTableCommand



retrieveExternalTableClause



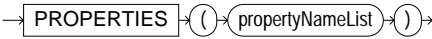
retrieveExternalTableColumnClause



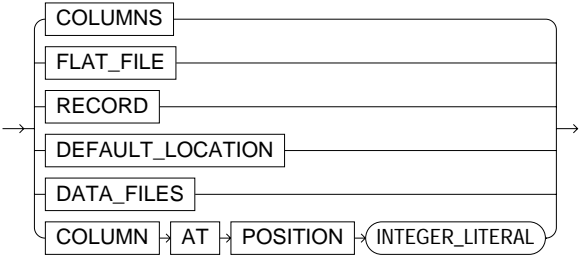
retrieveExternalTableDatafileClause



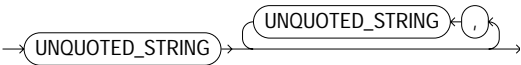
getPropertiesClause



getExternalTableObjectsClause



propertyNameList



Syntax

```

retrieveExternalTableCommand = OMBRETRIEVE EXTERNAL_TABLE "QUOTED_
STRING" ( "retrieveExternalTableClause" | "retrieveExternalTableColumnClause" |
"retrieveExternalTableDatafileClause" );

retrieveExternalTableClause = GET ( "getPropertiesClause" |
"getExternalTableObjectsClause" );

retrieveExternalTableColumnClause = COLUMN "QUOTED_STRING" GET (
"getPropertiesClause" | FIELD );

retrieveExternalTableDatafileClause = DATA_FILE "QUOTED_STRING" GET
"getPropertiesClause";

getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";

getExternalTableObjectsClause = COLUMNS | FLAT_FILE | RECORD | DEFAULT_
LOCATION | DATA_FILES | COLUMN AT POSITION "INTEGER_LITERAL";

propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };

```

Keywords and Parameters

retrieveExternalTableCommand

Retrieve details from an external table.

QUOTED_STRING

The name of the external table.

retrieveExternalTableClause

Retrieve details from an external table.

retrieveExternalTableColumnClause

Retrieve details from an external table column.

retrieveExternalTableDatafileClause

Retrieve details from one of the external table's data files.

getPropertiesClause

Retrieve specified properties.

getExternalTableObjectsClause

Retrieve a record reference, flat file reference, columns, or data files.

propertyNameList

The names of the properties whose values you want to retrieve.

Properties for EXTERNAL_TABLE:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the bad file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

When deployable is set to true, a script to create an External Table is generated.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the discard file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: ENDIAN

Type: STRING

Valid Values: BIG, LITTLE, PLATFORM

Default: PLATFORM

Data endian should be platform default, little or big. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOAD_NULLS_WHEN_MISSING_VALUES

Type: BOOLEAN

Valid Values: true, false

Default: false

If TRUE, then NULLs are loaded for any missing values in the record. If FALSE, then records with missing values are rejected. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: USE_DEFAULT_LOCATION

Location to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: "

Name to use when creating the log file. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: NUMBER_OF_REJECTS_ALLOWED

Type: NUMBER

Valid Values: 0 - 2147483647

Default: 0

The number of rejects allowed before processing is terminated.

Name: PARALLEL_ACCESS_DRIVERS

Type: NUMBER

Valid Values: 1 - 63999

Default: 1

The number of parallel access drivers to enable.

Name: PARALLEL_ACCESS_MODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Enable or disable parallel processing.

Name: REJECTS_ARE_UNLIMITED

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable or disable limiting the number of rejected records.

Name: STRING_SIZES_IN

Type: STRING

Valid Values: CHARACTERS, BYTES

Default: BYTES

String sizes are in bytes or characters. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Name: TRIM

Type: STRING

Valid Values: LEFT, NONE, SQL*LOADER, BOTH, RIGHT

Default: NONE

Specification from trim option on input fields. When the Access Parameters property is specified for the External Table, this configuration parameter is ignored.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

Examples

OMBRETRIEVE EXTERNAL_TABLE 'SRC_TABLE' GET PROPERTIES
(DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the external table
"SRC_TABLE"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE FLAT_FILE

Purpose

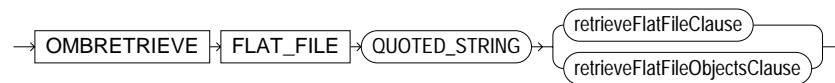
OMBRETRIEVE FLAT_FILE - Retrieve details of a flat file.

Prerequisites

Create and change context to a flat file module.

Syntax Diagrams

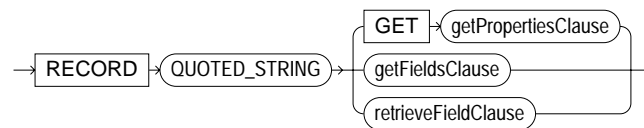
retrieveFlatFileCommand



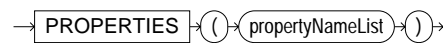
retrieveFlatFileClause



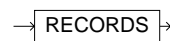
retrieveFlatFileObjectsClause



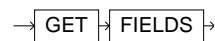
getPropertiesClause



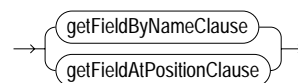
getRecordsClause



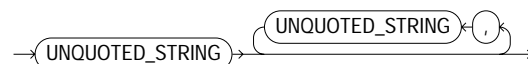
getFieldsClause



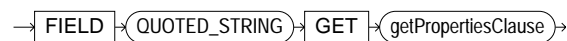
retrieveFieldClause



propertyNameList



getFieldByNameClause



getFieldAtPositionClause



Syntax

```
retrieveFlatFileCommand = OMBRETRIEVE FLAT_FILE "QUOTED_STRING" (
    "retrieveFlatFileClause" | "retrieveFlatFileObjectsClause" );
retrieveFlatFileClause = GET ( "getPropertiesClause" | "getRecordsClause" );
retrieveFlatFileObjectsClause = RECORD "QUOTED_STRING" ( ( GET
    "getPropertiesClause" ) | "getFieldsClause" | "retrieveFieldClause" );
getPropertiesClause = PROPERTIES "( " "propertyNameList" ")";
getRecordsClause = RECORDS;
getFieldsClause = GET FIELDS;
retrieveFieldClause = "getFieldByNameClause" | "getFieldAtPositionClause";
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
getFieldByNameClause = FIELD "QUOTED_STRING" GET "getPropertiesClause";
getFieldAtPositionClause = GET FIELD AT POSITION "INTEGER_LITERAL";
```

Keywords and Parameters

retrieveFlatFileCommand

Retrieve the details of a flat file.

QUOTED_STRING

The name of a flat file in quotes.

retrieveFlatFileClause

Retrieve properties of the flat file.

retrieveFlatFileObjectsClause

Retrieve details of the flat file's records and fields.

getPropertiesClause

Retrieve specified properties from the flat file, record, or field.

getRecordsClause

Retrieve a list of records from the flat file.

getFieldsClause

Retrieve a list of fields from the record.

retrieveFieldClause

Identify a specific field to retrieve properties from.

propertyNameList

The names of the properties whose values you want to retrieve.

Properties for FLAT_FILE:

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default "

The name of the "sampled" file. Also the default data file value used in SQL*Loader maps and External Tables.

Name: IS_DELIMITED

Type: BOOLEAN

Valid Values: true, false, 1, 0

Default: true

True indicates that this flat file is delimited. False indicates that its fields are defined by fixed lengths

Name: CHARACTERSET

Type: STRING

Valid Values:

AL24UTFFSS,AR8ARABICMAC,AR8ARABICMACS,AR8ISO8859P6,AR8MSAWIN,A
R8MSWIN1256,BLT8CP921,BLT8EBDIC1112,BLT8MSWIN1257,BLT8PC775,CDN8PC
863,CL8EBDIC1025,CL8EBDIC1025X,CL8ISO8859P5,CL8KOI8R,CL8MACCYRILLI
C,CL8MACCYRILLICS,CL8MSWIN1251,D8EBDIC273,DK8EBDIC277,EE8EBDIC
870,EE8ISO8859P2,EE8MACCE,EE8MACCES,EE8MACCROATIAN,EE8MACCROATI
ANS,EE8MSWIN1250,EE8PC852,EL8EBDIC875,EL8ISO8859P7,EL8MACGREEK,EL8
MACGREEKS,EL8MSWIN1253,EL8PC437S,EL8PC737,EL8PC869,F8EBDIC297,I8EBC
DIC280,IS8MACICELANDIC,IS8MACICELANDICS,IS8PC861,IW8EBDIC424,IW8IS
O8859P8,IW8MACHEBREW,IW8MACHEBREWS,IW8MSWIN1255,JA16EBDIC930,J
A16EUC,JA16EUCYEN,JA16MACSJIS,JA16SJIS,JA16SJISYEN,JA16VMS,KO16KSC560
1,LT8MSWIN921,N8PC865,NEE8ISO8859P4,RU8PC855,RU8PC866,S8EBDIC278,SE8I
SO8859P3,TH8MACTHAI,TH8MACTHAIS,TH8TISASCII,TR8EBDIC1026,TR8MAC
TURKISH,TR8MACTURKISHS,TR8MSWIN1254,TR8PC857,US7ASCII,US8PC437,UTF
8,WE8EBDIC284,WE8EBDIC285,WE8EBDIC37,WE8EBDIC37C,WE8EBDIC500
,WE8EBDIC500C,WE8EBDIC871,WE8ISO8859P1,WE8ISO8859P9,WE8MACROMA
N8,WE8MACROMAN8S,WE8MSWIN1252,WE8PC850,WE8PC860,ZHS16CGB231280,
ZHS16GBK,ZHS16MACCGB231280,ZHT16BIG5,ZHT16MSWIN950,ZHT32EUC

Default: WE8MSWIN1252 The character set of the data file.

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: "

The character(s) which denote the end of a physical record in a data file. (Please note that this is not the FIELD_DELIMITER.

Name: RECORD_LENGTH

Type: NUMBER

Valid Values: 0+

Default: 0 (Records are delimited by default)

The length (in characters) of the records in the data file.

Name: RECORD_TYPE_COLUMN_NUMBER

Type: NUMBER

Valid Values: 0+

Default: 1

The column which contains the record type values for a delimited, multi-record type file.

Name: RECORD_TYPE_START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: RECORD_TYPE_END_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The ending position of the field (relative to 1) which contains the record type values for a fixed-length, multi-record type file.

Name: NUMBER_OF_RECORDS_TO_SKIP

Type: NUMBER

Valid Values: 0 - 1000

Default: 0

The default number of records to skip when loading this file.

Name: FIELD_DELIMITER

Type: STRING

Valid Values: Any single character

Default: ',' (Comma)

The character to divide the fields in a delimited file.

Name: FIELD_LEFT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: FIELD_RIGHT_ENCLOSURE

Type: STRING

Valid Values: Any single character

Default: None

A character to enclose fields which may contain the field delimiter.

Name: NUMBER_OF_PHYSICAL_RECORDS_PER_LOGICAL

Type: Number

Valid Values: 0+

Default: 0

Set this value if you wish to concatenate a fixed number of physical records to form a single logical record.

Name: CONTINUE_IF_ENDS_WITH

Type: STRING

Valid Values: Any single character

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records ending with this character.

Name: CONTINUE_IF_STARTS_WITH

Type: STRING

Valid Values: N/A

Default: None

Set this value if you wish to concatenate a variable number of physical records to form a single logical record, determined by records beginning with this character.

Properties for RECORD:

Name: RECORD_TYPE_VALUE

Type: STRING

Valid Values: N/A

Default: None

This is a mandatory property for each record of a multi-record type file. It is the string which will identify this record type in the data file.

Properties for FIELD:

Name: DATATYPE

Type: STRING

Valid Values: CHAR, DATE, DECIMAL EXTERNAL, FLOAT EXTERNAL, INTEGER EXTERNAL, ZONED EXTERNAL, ZONED Default: CHAR This is the SQL*Loader data type for the field.

Name: LENGTH

Type: NUMBER

Valid Values: 1+

Default: 1

This is the length of the field in a fixed length file. This is the max length of the field in a delimited file.

Name: PRECISION

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Precision of the field.

Name SCALE

Type: NUMBER

Valid Values: Depends on data type

Default: 0

Scale of the field

Name: START_POSITION

Type: NUMBER

Valid Values: 0+

Default: 0

The starting position of a field for a fixed length file.

Name: SQL_DATATYPE

Type: STRING

Valid Values: CHAR, DATE, FLOAT, NUMBER, VARCHAR, VARCHAR2, DEFAULT

Default: DEFAULT. This will derive the SQL_DATATYPE from the value of DATATYPE. The data type which the field will be treated as in mapping and for External Tables.

Name: SQL_LENGTH

Type: NUMBER

Valid Values: for 'CHAR' : 1 - 2000 for 'VARCHAR' and 'VARCHAR2' : 1 - 4000 Default: Depends on Sql data type.

Name: SQL_PRECISION

Type: NUMBER

Valid Values: 1 - 38

Default: 1

Name: SQL_SCALE

Type: NUMBER

Valid Values: -84 - 127

Default: 0

Name: MASK

Type: STRING

Valid Values: N/A

Default: None

This is the mask used to define the format of DATE fields in the data file.

Name: NULL_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be NULL.

Name: DEFAULT_IF

Type: STRING

Valid Values: Either = or != followed by either 'BLANKS', a single quoted string, or a hexadecimal string Default: None If this condition is true for a field, the value loaded will be either NULL or 0, dependent on data type.

getFieldByNameClause

Identify a specific field by its name.

getFieldAtPositionClause

Identify a specific field by its position in the record.

Examples

OMBRETRIEVE FLAT_FILE 'SRC_FILE' GET PROPERTIES (DESCRIPTION, UUID, BUSINESS_NAME) This will retrieve the flat file "SRC_FILE"'s description, uuid, and business name.

OMBRETRIEVE FLAT_FILE 'SRC_FILE_2' GET RECORDS

This will retrieve the records of the flat file "SRC_FILE_2".

OMBRETRIEVE FLAT_FILE 'SRC_FILE_3' RECORD 'EMPLOYEE' GET FIELDS

This will retrieve the fields of the "EMPLOYEE" record.

OMBRETRIEVE FLAT_FILE 'TARGET_FILE' RECORD 'TARGET_FILE' GET FIELD AT POSITION 3 GET PROPERTIES (UUID) This will retrieve the UUID of the third field in the single record flat file "TARGET_FILE".

See Also

OMBRETRIEVE

OMBRETRIEVE FLAT_FILE_MODULE

Purpose

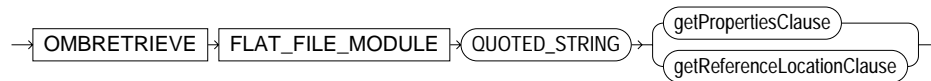
OMBRETRIEVE FLAT_FILE_MODULE - Retrieve details from a flat file module.

Prerequisites

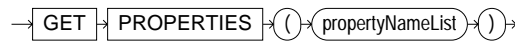
Should be in the context of a project.

Syntax Diagrams

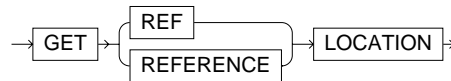
retrieveFlatFileModuleCommand



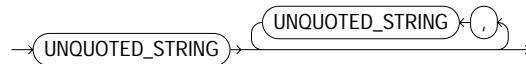
getPropertiesClause



getReferenceLocationClause



propertyNameList



Syntax

```

retrieveFlatFileModuleCommand = OMBRETRIEVE FLAT_FILE_MODULE
                                "QUOTED_STRING" ( "getPropertiesClause" | "getReferenceLocationClause" );
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
getReferenceLocationClause = GET ( REF | REFERENCE ) LOCATION;
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
  
```

Keywords and Parameters

retrieveFlatFileModuleCommand

Retrieve details from a flat file module.

QUOTED_STRING

The name of the flat file module to retrieve details from.

getPropertiesClause

Retrieve specified property values from the flat file module.

getReferenceLocationClause

Retrieve the name of the flat file module's location.

propertyNameList

The names of the properties whose values you want to retrieve.

Basic properties for FLAT_FILE_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of the flat file module.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the flat file module.

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of the flat file module.

Examples

OMBRETRIEVE FLAT_FILE_MODULE 'src_module' GET PROPERTIES
(DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the flat file module
"src_module"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE FUNCTION

Purpose

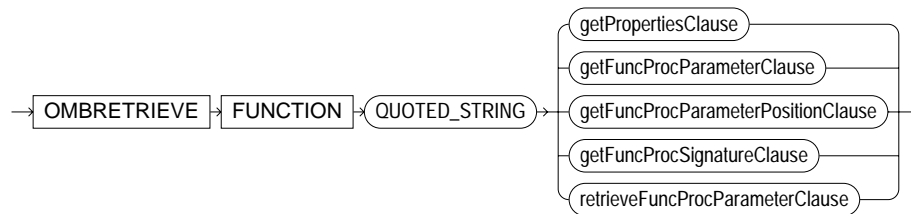
OMBRETRIEVE FUNCTION - Retrieve details of the Function.

Prerequisites

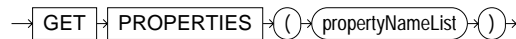
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

retrieveFunctionCommand



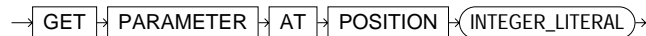
getPropertiesClause



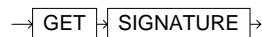
getFuncProcParameterClause



getFuncProcParameterPositionClause



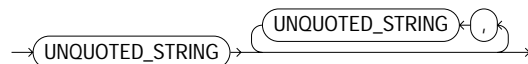
getFuncProcSignatureClause



retrieveFuncProcParameterClause



propertyNameList



Syntax

```

retrieveFunctionCommand = OMBRETRIEVE FUNCTION "QUOTED_STRING" (
  "getPropertiesClause" | "getFuncProcParameterClause" |
  "getFuncProcParameterPositionClause" | "getFuncProcSignatureClause" |
  "retrieveFuncProcParameterClause" );
  
```

```

getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
  
```

```

getFuncProcParameterClause = GET PARAMETERS;
  
```

```

getFuncProcParameterPositionClause = GET PARAMETER AT POSITION
  "INTEGER_LITERAL";
  
```

```
getFuncProcSignatureClause = GET SIGNATURE;  
retrieveFuncProcParameterClause = PARAMETER "QUOTED_STRING"  
"getPropertiesClause";  
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveFunctionCommand

This command retrieves the details of a Function

QUOTED_STRING

Name of the existing Function or path to the Function.

getPropertiesClause

Used to get properties (core, user-defined) for function. Valid properties are shown below:

Basic properties for FUNCTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Function

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Function

Name: RETURN_TYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the Return Type for Function

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Function which is included global variable declaration and code between BEGIN and END.

Name: IS_DETERMINISTIC

Type: BOOLEAN

Valid Values: true, false

Default: false

This setting helps the optimizer avoid redundant function calls.

Name: IS_PARALLEL_ENABLE

Type: BOOLEAN

Valid Values: true, false

Default: false

This option sets flag to a stored function can be used safely in the slave sessions of parallel DML evaluations.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for FUNCTION:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

getFuncProcParameterClause

Get all the parameter names of the Function

getFuncProcParameterPositionClause

Get the parameter position of Function

`getFuncProcSignatureClause`

Get the complete signature of the Function which includes parameter names, datatype, in/out type and default values

`retrieveFuncProcParameterClause`

Get the parameter information such as datatype, default value, in/out type and position

`QUOTED_STRING`

Name of the existing Parameter

`propertyNameList`

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE FUNCTION 'func' GET PROPERTIES (DESCRIPTION, UUID, BUSINESS_NAME, RETURN_TYPE, IMPLEMENTATION, IS_DETERMINISTIC, IS_PARALLEL_ENABLE, IS_IMPORTED) This will retrieve the Function "func's description, uuid, business name, return type, implementation, and boolean values of deterministic parallel_enable and imported. If Packaged Function is overloaded, first find the Signature by using OMBLIST command, and then use OMBRETRIEVE command using appropriate signature. Example, if OMBLIST FUNCTIONS gives following two signatures, FUNC_1 (NUMBER) RETURN NUMBER FUNC_1 (VARCHAR2, NUMBER) RETURN NUMBER The OMBRETRIEVE Syntax to retrieve the first one will be as follows OMBRETRIEVE FUNCTION 'FUNC_1 \ (NUMBER\) RETURN NUMBER' GET PROPERTIES (DESCRIPTION, BUSINESS_NAME)

See Also

OMBRETRIEVE

OMBRETRIEVE GATEWAY_MODULE

Purpose

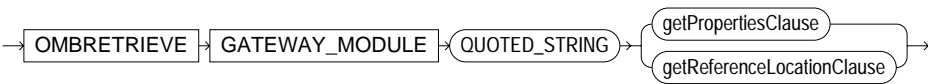
OMBRETRIEVE GATEWAY_MODULE - Retrieve details of a gateway module.

Prerequisites

Can be in any context. Use absolute/relative path notation to locate a gateway module.

Syntax Diagrams

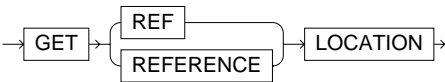
retrieveGatewayModuleCommand



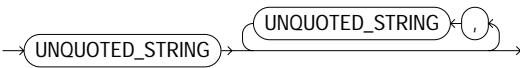
getPropertiesClause



getReferenceLocationClause



propertyNameList



Syntax

```
retrieveGatewayModuleCommand = OMBRETRIEVE GATEWAY_MODULE
                                "QUOTED_STRING" ( "getPropertiesClause" | "getReferenceLocationClause" );
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
getReferenceLocationClause = GET ( REF | REFERENCE ) LOCATION;
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveGatewayModuleCommand

Specify the gateway module from which to retrieve details.

getPropertiesClause

Retrieve the properties of a gateway module.

Basic properties for GATEWAY_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the gateway module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the gateway module

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Universal object identifier

Name: GATEWAY_TYPE

Type: STRING

Valid Values: N/A

Default: N/A

Type of gateway module

getReferenceLocationClause

Retrieve the name of the location referenced by this gateway module.

propertyNameList

A list of property names.

Examples

The following line retrieves the description of a gateway module:

```
OMBRETRIEVE GATEWAY_MODULE 'INFX1' GET PROPERTIES(DESCRIPTION)
```

See Also

OMBRETRIEVE

OMBRETRIEVE LOCATION

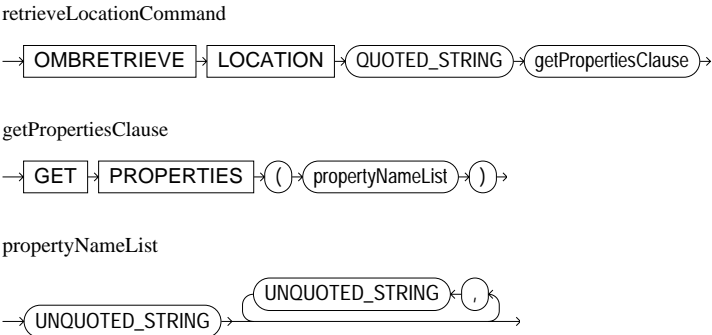
Purpose

OMBRETRIEVE LOCATION - Retrieve details of the location.

Prerequisites

Should be in the context of a project.

Syntax Diagrams



Syntax

retrieveLocationCommand = OMBRETRIEVE LOCATION “QUOTED_STRING”
“getPropertiesClause”;
getPropertiesClause = GET PROPERTIES (“ “propertyNameList” “”);
propertyNameList = “UNQUOTED_STRING” { “,” “UNQUOTED_STRING” };

Keywords and Parameters

retrieveLocationCommand
Retrieve details of the named location.

getPropertiesClause
Get specified properties of the location.

propertyNameList
The names of the properties whose values you want to retrieve.

Properties for LOCATION:

Name: TYPE
Type: STRING
Valid Values: 'Oracle Gateway', 'File System', 'Oracle Database', 'OEM Agent', 'Oracle Workflow', 'SAP' Default: N/A The type of system the location represents.

Name: VERSION

Type: STRING

Valid Values:

for 'Oracle Gateway' : '0'

for 'File System' : '0'

for 'Oracle Database' : '9.2','9.0','8.1','8.0','7.3.4'

for 'OEM Agent' : '9.2','9.0'

for 'Oracle Workflow' : '2.6'

for 'SAP' : '4.x','3.x'

Default: N/A

The version of the system(s) the location represents.

Basic properties for LOCATION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the location.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the location.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

Examples

OMBRETRIEVE LOCATION 'A_LOCATION' GET PROPERTIES (TYPE, VERSION, DESCRIPTION, UUID, BUSINESS_NAME) This will retrieve the location "A_LOCATION"'s type, version, description, uuid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE MAPPING

Purpose

OMBRETRIEVE MAPPING - Retrieve mapping details such as the number of operators and their connections.

Prerequisites

The current context must be in an Oracle Module.

Syntax Diagrams

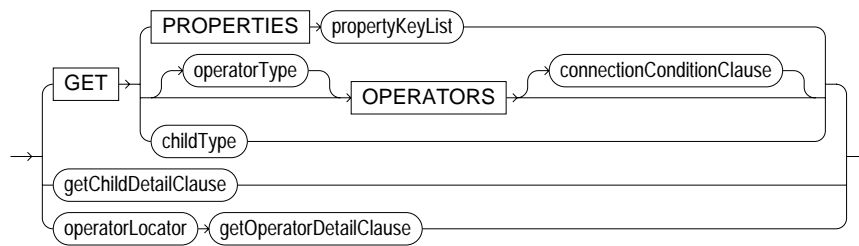
retrieveMappingCommand



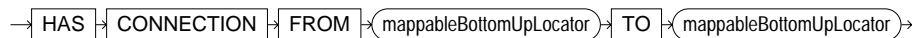
mappingName



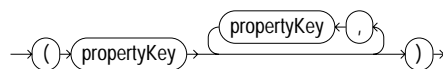
getMappingDetailClause



testConnectionClause



propertyKeyList



operatorType



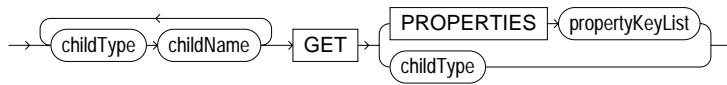
connectionConditionClause



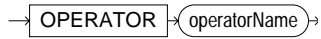
childType



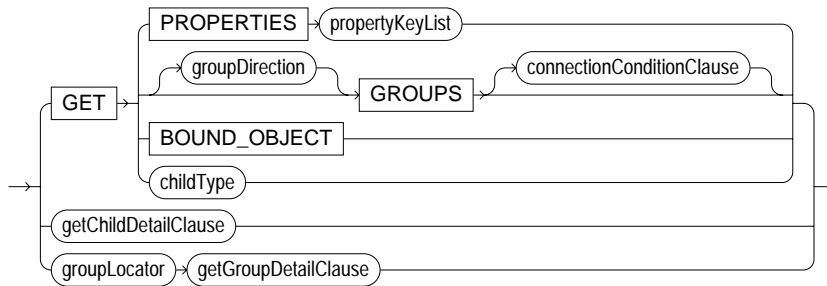
getChildDetailClause



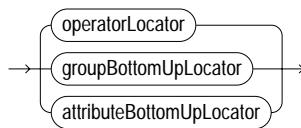
operatorLocator



getOperatorDetailClause



mappableBottomUpLocator



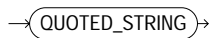
propertyKey



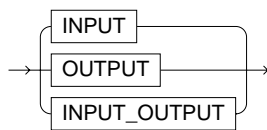
childName



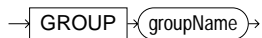
operatorName



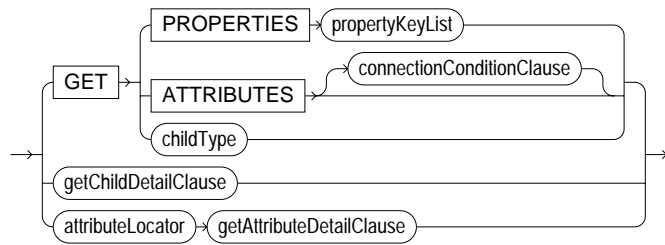
groupDirection



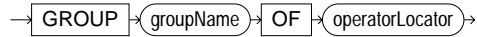
groupLocator



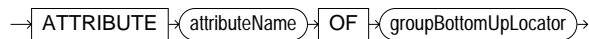
getGroupDetailClause



groupBottomUpLocator



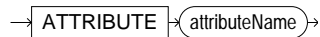
attributeBottomUpLocator



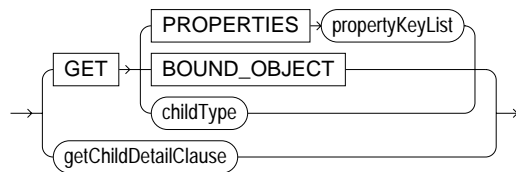
groupName



attributeLocator



getAttributeDetailClause



attributeName



Syntax

```

retrieveMappingCommand = OMBRETRIEVE MAPPING "mappingName" (
  "getMappingDetailClause" | "testConnectionClause" );
mappingName = "QUOTED_STRING";
getMappingDetailClause = GET ( PROPERTIES "propertyKeyList" | [
  "operatorType" ] OPERATORS [ "connectionConditionClause" ] | "childType" ) |
  "getChildDetailClause" | "operatorLocator" "getOperatorDetailClause";
testConnectionClause = HAS CONNECTION FROM "mappableBottomUpLocator"
  TO "mappableBottomUpLocator";
propertyKeyList = "( " "propertyKey" { "," "propertyKey" } " )";
operatorType = "UNQUOTED_STRING";
connectionConditionClause = CONNECTED ( FROM "mappableBottomUpLocator"
  | TO "mappableBottomUpLocator" );
childType = "UNQUOTED_STRING";
  
```

```

getChildDetailClause = ( "childType" "childName" )+ GET ( PROPERTIES
"propertyKeyList" | "childType" );
operatorLocator = OPERATOR "operatorName";
getOperatorDetailClause = GET ( PROPERTIES "propertyKeyList" | [
"groupDirection" ] GROUPS [ "connectionConditionClause" ] | BOUND_OBJECT |
"childType" ) | "getChildDetailClause" | "groupLocator" "getGroupDetailClause";
mappableBottomUpLocator = "operatorLocator" | "groupBottomUpLocator" |
"attributeBottomUpLocator";
propertyKey = "UNQUOTED_STRING";
childName = "QUOTED_STRING";
operatorName = "QUOTED_STRING";
groupDirection = INPUT | OUTPUT | INPUT_OUTPUT;
groupLocator = GROUP "groupName";
getGroupDetailClause = GET ( PROPERTIES "propertyKeyList" | ATTRIBUTES [
"connectionConditionClause" ] | "childType" ) | "getChildDetailClause" |
"attributeLocator" "getAttributeDetailClause";
groupBottomUpLocator = GROUP "groupName" OF "operatorLocator";
attributeBottomUpLocator = ATTRIBUTE "attributeName" OF
"groupBottomUpLocator";
groupName = "QUOTED_STRING";
attributeLocator = ATTRIBUTE "attributeName";
getAttributeDetailClause = GET ( PROPERTIES "propertyKeyList" | BOUND_
OBJECT | "childType" ) | "getChildDetailClause";
attributeName = "QUOTED_STRING";

```

Keywords and Parameters

retrieveMappingCommand

Retrieve the detail of a mapping such as how many mapping operators are there or which mapping operators are connected to each other.

mappingName

Name of the mapping.

getMappingDetailClause

Get the desired detail of the mapping.

testConnectionClause

Verify if there is a connection between mapping operators, mapping groups or mapping attributes.

propertyKeyList

The list of property keys

operatorType

Type of a mapping operator. The following operator types are available: ADVANCED_QUEUE, AGGREGATOR, CONSTANT, CUBE, DATA_GENERATOR, DEDuplicATOR, DIMENSION, EXPRESSION, EXTERNAL_PROCESS, EXTERNAL_TABLE, FILTER, FLAT_FILE, INPUT_PARAMETER, JOINER, KEY_LOOKUP, MATCHMERGE, MATERIALIZED_VIEW, NAME_AND_ADDRESS, OUTPUT_PARAMETER, PIVOT, POSTMAPPING_PROCESS, PREMAPPING_PROCESS, SEQUENCE, SET_OPERATION, SORTER, SPLITTER, TABLE, TRANSFORMATION, UNPIVOT, VIEW.

connectionConditionClause

List objects only if they are connected from or to objects specified in the connection condition.

childType

Type of a child that belongs to map, mapping operator, mapping group or mapping attribute.

getChildDetailClause

Get the desired detail of a child object that belongs to the mapping, mapping operator, mapping group or mapping attribute.

operatorLocator

Location of a mapping operator.

getOperatorDetailClause

Get the desired detail of a mapping operator.

mappableBottomUpLocator

Location of the object to be bound to a mapping mapping operator or mapping attribute.

propertyKey

A property key for an object.

Basic properties for MAPPING:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the mapping

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the mapping

Basic properties for OPERATOR:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the operator

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the operator

Basic properties for GROUP:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the group

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the group

Basic properties for ATTRIBUTE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the attribute

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the attribute

Name: DATATYPE

Type: STRING(20)

Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, LONG

Default: "

Datatype of the Attribute

Name: LENGTH

Type: NUMBER

Valid Values: N/A

Default: 0

Length of the attribute.

Name: PRECISION

Type: NUMBER

Valid Values: N/A

Default: 0

Precision of the attribute.

Name: SCALE

Type: NUMBER

Valid Values: N/A

Default: 0

Scale of the attribute.

Properties for MAPPING:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: STEP_TYPE

Type: STRING

Valid Values: ABAP, SQLLOADER, PLSQL

Default: UNKNOWN

The step type used to generate this mapping

Properties for MAPPING ABAP STEP:

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Control File Name

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.dat

Data File Name

Name: FILE_DELIMITER_FOR_STAGING_FILE

Type: STRING

Valid Values: N/A

Default: ~

File Delimiter for Staging File

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: owb.log

Log File Name

Name: NESTED_LOOP

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Nested Loop

Name: PRIMARY_FOREIGN_KEY_FOR_JOIN

Type: STRING

Valid Values: N/A

Default: DEFAULT

Primary Foreign Key for Join

Name: SAP_SYSTEM_VERSION

Type: STRING

Valid Values: SAP_R3_4X, SAP_R3_3X

Default: SAP_R3_4X

SAP System Version

Name: SQL_JOIN_COLLAPSING

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Sql Join Collapsing

Name: STAGING_FILE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: C:\temp\

Staging File Directory

Name: USE_SELECT_SINGLE

Type: STRING

Valid Values: TRUE_DEFAULT, TRUE, FALSE

Default: TRUE_DEFAULT

Use Select Single

Properties for MAPPING PLSQL STEP:

Name: ANALYZE_TABLE_SAMPLE_PERCENTAGE

Type: NUMBER

Valid Values: N/A

Default: 90

The default percentage of rows to be sampled when the target tables are analyzed for statistics to improve performance during insertion.

Name: ANALYZE_TABLE_STATEMENTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate statistics collection statement if this is true.

Name: BULK_PROCESSING_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Generate bulk processing code if this is true.

Name: BULK_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50

The default number of rows to be fetched in batch during cursor processing.

Name: COMMIT_FREQUENCY

Type: NUMBER

Valid Values: N/A

Default: 1000

The default number of rows processed before a commit is issued.

Name: CORRELATED_COMMIT

Type: BOOLEAN

Valid Values: true, false

Default: false

The mapping commits or rolls back correlated rows together.

Name: DEFAULT_AUDIT_LEVEL

Type: STRING

Valid Values: NONE, STATISTICS, ERROR_DETAILS, COMPLETE

Default: ERROR_DETAILS

The default audit level when the step is executed.

Name: DEFAULT_OPERATING_MODE

Type: STRING

Valid Values: SET_BASED, ROW_BASED, ROW_BASED_TARGET_ONLY, SET_BASED_FAIL_OVER_TO_ROW_BASED, SET_BASED_FAIL_OVER_TO_ROW_BASED_TARGET_ONLY Default: SET_BASED_FAIL_OVER_TO_ROW_BASED The default operating mode.

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: MAXIMUM_NUMBER_OF_ERRORS

Type: NUMBER

Valid Values: N/A

Default: 50

The default maximum number of errors encountered before aborting the step execution.

Name: OPTIMIZED_CODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Attempt to generate optimized code if this is true.

Name: PARALLEL_ROW_CODE

Type: BOOLEAN

Valid Values: true, false

Default: false

Generate parallel row code if this is true.

Properties for MAPPING SQLLOADER STEP:

Name: AUDIT

Type: BOOLEAN

Valid Values: true, false

Default: true

Perform audit when the step is executed.

Name: BIND_SIZE

Type: NUMBER

Valid Values: N/A

Default: 50000

Bind Size

Name: CONTINUE_LOAD

Type: BOOLEAN

Valid Values: true, false

Default: false

Continue Load

Name: CONTROL_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The Control File Location

Name: CONTROL_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The control file name used in TCL generation

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name from which to allocate extents

Name: DEFAULT_PURGE_GROUP

Type: STRING

Valid Values: N/A

Default: WB

The default purge group to be used when the step is executed.

Name: DELIMITED_FILE_RECORD_TERMINATION

Type: STRING

Valid Values: N/A

Default: N/A

This property has been deprecated. Please set the record delimiter in the Flat File Sample Wizard or Property Sheet.

Name: DIRECT_MODE

Type: BOOLEAN

Valid Values: true, false

Default: true

Direct Mode

Name: ERRORS_ALLOWED

Type: NUMBER

Valid Values: N/A

Default: 50

Number of errors to allow

Name: LOG_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The log file location.

Name: LOG_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The log file name.

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: AL24UTFFSS, AR8ARABICMAC, AR8ARABICMACS, AR8ISO8859P6, AR8MSAWIN, AR8MSWIN1256, BLT8CP921, BLT8EBCDIC1112, BLT8MSWIN1257, BLT8PC775, CDN8PC863, CL8EBCDIC1025, CL8EBCDIC1025X, CL8ISO8859P5, CL8KOI8R, CL8MACCYRILLIC, CL8MACCYRILLICS, CL8MSWIN1251, D8EBCDIC273, DK8EBCDIC277, EE8EBCDIC870, EE8ISO8859P2, EE8MACCE, EE8MACCES, EE8MACCROATIAN, EE8MACCROATIANS, EE8MSWIN1250, EE8PC852, EL8EBCDIC875, EL8ISO8859P7, EL8MACGREEK, EL8MACGREEKS, EL8MSWIN1253, EL8PC437S, EL8PC737, EL8PC869, F8EBCDIC297, I8EBCDIC280, IS8MACICELANDIC, IS8MACICELANDICS, IS8PC861, IW8EBCDIC424, IW8ISO8859P8, IW8MACHEBREW, IW8MACHEBREWS, IW8MSWIN1255, JA16EBCDIC930, JA16EUC, JA16EUCYEN, JA16MACSJIS, JA16SJIS, JA16SJISYEN, JA16VMS, KO16KSC5601, LT8MSWIN921, N8PC865, NEE8ISO8859P4, RU8PC855, RU8PC866, S8EBCDIC278, SE8ISO8859P3, TH8MACTHAI, TH8MACTHAIS, TH8TISASCII, TR8EBCDIC1026, TR8MACTURKISH, TR8MACTURKISHS, TR8MSWIN1254, TR8PC857, US7ASCII, US8PC437, UTF8, WE8EBCDIC284, WE8EBCDIC285, WE8EBCDIC37, WE8EBCDIC37C, WE8EBCDIC500, WE8EBCDIC500C, WE8EBCDIC871, WE8ISO8859P1, WE8ISO8859P9, WE8MACROMAN8, WE8MACROMAN8S, WE8MSWIN1252, WE8PC850, WE8PC860, ZHS16CGB231280, ZHS16GBK, ZHS16MACCGB231280, ZHT16BIG5, ZHT16MSWIN950, ZHT32EUC Default: WE8MSWIN1252 Nls Characterset

Name: OPERATION_RECOVERABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Operation Recoverable

Name: PERFORM_PARALLEL_LOAD

Type: BOOLEAN

Valid Values: true, false

Default: false

Perform Parallel Load

Name: PRESERVE_BLANKS

Type: BOOLEAN

Valid Values: true, false

Default: false

Preserve Blanks

Name: READ_BUFFERS

Type: NUMBER

Valid Values: N/A

Default: 4

The Number of Buffers

Name: READ_SIZE

Type: NUMBER

Valid Values: N/A

Default: 65536

The size of the read buffer

Name: RECORDS_TO_LOAD

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of logical records to load. The default value of 0 indicates to load all records.

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of logical records to skip

Name: ROWS_PER_COMMIT

Type: NUMBER

Valid Values: N/A

Default: 200

Rows per Commit

Properties for MAPPING SQLLOADER STEP SOURCE_DATA_FILE CHILD:

Name: BAD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Bad file location.

Name: BAD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Bad file name. If the Bad File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The location for this component.

Name: DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The data file name for this component. If the Data File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

Discard file location

Name: DISCARD_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Discard file name. If the Discard File Location is set then this must be a relative file name. Otherwise this should contain a fully qualified path.

Name: DISCARD_MAX

Type: NUMBER

Valid Values: N/A

Default: 0

Discard Max

Properties for ADVANCED_QUEUE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for AGGREGATOR OPERATOR:

Name: GROUP_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Group By clause for the aggregation

Name: HAVING_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Having clause for the aggregation

Properties for CUBE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for DIMENSION OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for EXTERNAL_TABLE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for FILTER OPERATOR:

Name: FILTER_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The boolean filtering condition that identifies what data is to be processed. Any row with a false condition will be ignored.

Properties for FLAT_FILE OPERATOR:

Name: CONCATENATE_RECORDS

Type: NUMBER

Valid Values: N/A

Default: 0

Number of Physical Records per Logical Record.

Name: CONTINUATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the record is continued on the next line.

Name: CONTINUATION_CHARACTER_ON_NEXT_LINE

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

If there is a continuation character, is it at the start of the line.

Name: FIELD_ENCLOSURE_CHARACTERS

Type: STRING

Valid Values: N/A

Default: N/A

Characters that wrap fields. Example ' or ".

Name: FIELD_NAMES_IN_THE_FIRST_ROW

Type: BOOLEAN

Valid Values: true, false

Default: FALSE

Indicates whether to write the field names in the first row of the output file.

Name: FIELD_TERMINATION_CHARACTER

Type: STRING

Valid Values: N/A

Default: ,

Character that separates the fields of a delimited file.

Name: FILE_FORMAT

Type: STRING

Valid Values: N/A

Default: DELIMITED

File Format (Fixed or Delimited).

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, NONE

Default: INSERT

The loading operation to be performed

Name: NLS_CHARACTERSET

Type: STRING

Valid Values: N/A

Default: WE8MSWIN1252

NLS Characterset

Name: RECORD_DELIMITER

Type: STRING

Valid Values: N/A

Default: N/A

Character that indicates the end of the record.

Name: RECORD_SIZE

Type: NUMBER

Valid Values: N/A

Default: 0

Size of a fixed length record.

Name: RECORD_TYPE_LENGTH

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the length of the data that identifies the type of record. It is used with the Record Type Position.

Name: RECORD_TYPE_POSITION

Type: NUMBER

Valid Values: N/A

Default: 0

If this is a multi record file, this will indicate the position of the field that identifies the type of record.

Name: SAMPLED_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the file that was sampled to get the metadata for this file.

Name: TARGET_DATA_FILE_LOCATION

Type: STRING

Valid Values: N/A

Default: N/A

The name of the location in which to open the target data file. Make sure the root path of this location, as registered in the Runtime Platform, is exactly specified in the initialization file (INIT.ORA) of your runtime database using the UTL_FILE_DIR parameter.

Name: TARGET_DATA_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the target data file, including extension (file type). This name should not include the file path. To specify where the target data file will be created/appended, set the Target Data File Location.

Properties for INPUT_PARAMETER OPERATOR:

Properties for JOINER OPERATOR:

Name: JOIN_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

The Join Condition for the join operator

Properties for KEY_LOOKUP OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: LOOKUP_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Key lookup condition based on the source inputs. This condition is used to lookup a value in the bound table. If the condition is not met, the default value expression will be returned. If a default expression is not defined, null is used.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for MATCHMERGE OPERATOR:

Name: MATCH_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

Ordered list of attributes that control the set of records to be matched at any at any particular time.

Name: MERGED_PREFIX

Type: STRING

Valid Values: N/A

Default: N/A

Set the prefix used for the merged attributes in the cross-reference group.

Properties for MATERIALIZED_VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Properties for NAME_AND_ADDRESS OPERATOR:

Name: ADDRESS_LINE_1

Type: STRING

Valid Values: N/A

Default: N/A

Address line 1

Name: ADDRESS_LINE_2

Type: STRING

Valid Values: N/A

Default: N/A

Address line 2

Name: ADDRESS_LINE_3

Type: STRING

Valid Values: N/A

Default: N/A

Address line 3

Name: ADDRESS_LINE_4

Type: STRING

Valid Values: N/A

Default: N/A

Address line 4

Name: DUAL_ADDRESS_ASSIGNMENT

Type: STRING

Valid Values: NA_DUALADDR_STREET, NA_DUALADDR_POBOX, NA_DUALADDR_CLOSESTTOLASTLINE
Default: NA_DUALADDR_STREET
A dual address refers to two address lines for the same destination. For example, a record contains both a street address and a P.O. Box; this is common with business data. Select which of the two address lines should be assigned in these cases.

Name: GENERATE_CASS_REPORT

Type: STRING

Valid Values: NA_YES, NA_NO

Default: NA_NO

Select "Yes" to generate CASS (Coding Accuracy Support System) report. CASS report is a text file specified by the United States Postal Service. The report is written to the [nas/bin/admin/reports] folder under the home folder of the name/address server.

Name: LIST_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The list name is optional and provides a reference for tracking multiple CASS reports.

Name: PARSING_TYPE

Type: STRING

Valid Values: NA_NAMEONLY, NA_ADDRESSONLY, NA_NAMEANDADDRESS

Default: NA_NAMEANDADDRESS

Select a name-address parsing type to be performed on the input data

Name: PRIMARY_COUNTRY

Type: STRING

Valid Values: NA_ARG, NA_AUS, NA_BEL, NA_BRA, NA_CAN, NA_CHL, NA_COL, NA_DNK, NA_FRA, NA_DEU, NA_HKG, NA_IND, NA_IRL, NA_ITA, NA_MEX, NA_MYS, NA_NLD, NA_NZL, NA_PER, NA_PHL, NA_PRT, NA_SGP, NA_ZAF, NA_ESP, NA_SWE, NA_CHE, NA_ARE, NA_GBR, NA_USA, NA_VEN Default: NA_USA Select the primary parsing country which best represents the input data. Input addresses having the same country as the primary parsing country will only need to be parsed once. Input addresses having a different country than the primary parsing country may be reparsed by a different parser. For performance reasons, it is best to minimize the percentage of 2-pass parses by selecting the optimal parser.

Name: PROCESSOR_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The processor name is the name of the organization submitting the CASS report.

Properties for OUTPUT_PARAMETER OPERATOR:

Properties for PIVOT OPERATOR:

Name: PIVOT_GROUP_SIZE

Type: NUMBER

Valid Values: 1 - 1000

Default: 2

A number specifying the pivot group size for the pivot operation. Pivot group size determines the number of output rows that are produced from each input row.

Properties for POSTMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: POSTMAPPING_PROCESS_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR, ON_WARNING

Default: ON_SUCCESS

Indicates under what condition of the mapping the post-mapping process will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for PREMAPPING_PROCESS OPERATOR:

Name: FUNCTION_CALL

Type: STRING

Valid Values: N/A

Default: N/A

Expression template for procedure call

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: MAPPING_RUN_CONDITION

Type: STRING

Valid Values: ALWAYS, ON_SUCCESS, ON_ERROR

Default: ON_SUCCESS

Indicates under what condition of the pre-mapping process the mapping will be run.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for SEQUENCE OPERATOR:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Properties for SET_OPERATION OPERATOR:

Name: SET_OPERATION

Type: STRING

Valid Values: UNION, UNIONALL, INTERSECT, MINUS

Default: UNION

Specifies the set operation that is to be performed by this operator.

Properties for SORTER OPERATOR:

Name: ORDER_BY_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

The Order By Clause

Properties for TABLE OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: DATA_COLLECTION_FREQUENCY

Type: STRING

Valid Values: UNKNOWN, YEAR, QUARTER, MONTH, DAY, HOUR, MINUTE

Default: UNKNOWN

New Data Granularity

Name: DIRECT

Type: BOOLEAN

Valid Values: true, false

Default: false

Directly swap source into target as a partition without first creating a staging table.

Name: ENABLE_CONSTRAINTS

Type: BOOLEAN

Valid Values: true, false

Default: true

Enable Constraints

Name: EXCEPTIONS_TABLE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Exceptions Table Name

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT
The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PEL_ENABLED

Type: BOOLEAN

Valid Values: true, false

Default: false

PEL Enabled

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: REPLACE_DATA

Type: BOOLEAN

Valid Values: true, false

Default: false

Replace existing data in target partition if there is any.

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for TABLE_FUNCTION OPERATOR:

Name: TABLE_FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the Table Function

Properties for TRANSFORMATION OPERATOR:

Name: FUNCTION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the transformation to be called.

Name: ROWBASED_ONLY

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Indicates if this transformation must be used only Row Based mode. Some transformations can be used in SQL mode as well as Row Based mode.

Properties for VIEW OPERATOR:

Name: ADVANCED_MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: No constraints

This property is used by public API and scripting to influence how columns are used for UPDATE or DELETE DMLs. If this property is set with the name of a primary or unique key, all the columns in the key will be used for matching during UPDATE or DELETE; and all the columns not in the key are used for loading. The property can also be assigned the value "All constraints" or "No constraints". If the DML type is INSERT, TRUNCATE/INSERT, or CHECK/INSERT, setting this property causes no effect.

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DATABASE_FILE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Database file name to allocate extents from

Name: DATABASE_LINK

Type: STRING

Valid Values: N/A

Default: N/A

The database link used to access this entity during mapping.

Name: EXTRACTION_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when extracting from this table using SQL

Name: LOADING_HINT

Type: STRING

Valid Values: N/A

Default: N/A

Hint used when loading into this table using SQL

Name: LOADING_TYPE

Type: STRING

Valid Values: INSERT, UPDATE, INSERT_UPDATE, UPDATE_INSERT, DELETE, NONE, TRUNCATE_INSERT, DELETE_INSERT, CHECK_INSERT Default: INSERT

The loading operation to be performed when this is a target.

Name: MATCH_BY_CONSTRAINT

Type: STRING

Valid Values: N/A

Default: YES

A property to indicate whether unique or primary key information on this target will override the matching criteria obtained from Match by constraint property on the attributes of this target.

Name: PARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Partition Name

Name: PRIMARY_SOURCE

Type: STRING

Valid Values: YES, NO

Default: NO

A boolean value to indicate whether this is a primary source or not (only used in EDW).

Name: RECORDS_TO_SKIP

Type: NUMBER

Valid Values: N/A

Default: N/A

Number of records to skip

Name: SCHEMA

Type: STRING

Valid Values: N/A

Default: N/A

Schema

Name: SINGLEROW

Type: BOOLEAN

Valid Values: true, false

Default: false

Singlerow

Name: SORTED_INDEXES_CLAUSE

Type: STRING

Valid Values: N/A

Default: N/A

Sorted Indexes Clause

Name: SUBPARTITION_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Subpartition Name

Name: TARGET_FILTER_FOR_DELETE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the delete loading operation.

Name: TARGET_FILTER_FOR_UPDATE

Type: STRING

Valid Values: N/A

Default: N/A

A condition on the rows in the target and if evaluated to true, that row will participate in the update loading operation.

Name: TRAILING_NULLCOLS

Type: BOOLEAN

Valid Values: true, false

Default: false

Trailing Nullcols

Properties for CUBE,DIMENSION,KEY_LOOKUP,MATERIALIZED_VIEW,TABLE,VIEW OPERATOR KEYS_READONLY CHILD:

Name: KEY_COLUMNS

Type: STRING

Valid Values: N/A

Default: N/A

Local columns that define this key (Comma separated if more than one).

Name: KEY_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Name of the primary, foreign or unique key (primary, foreign, or unique).

Name: KEY_TYPE

Type: STRING

Valid Values: N/A

Default: UNIQUE

Type of key - primary, foreign or unique.

Name: REFERENCED_KEYS

Type: STRING

Valid Values: N/A

Default: N/A

If the key is a foreign key, this will contain the key or keys used of the referenced object.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD:

Name: ADDRESS_ADDRESS_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for address line in Address Match Rule.

Name: ADDRESS_ALLOW_DIFFERING_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Allow differing secondary addresses to match in Address Match Rule.

Name: ADDRESS_LAST_LINE_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for last line in Address Match Rule.

Name: ADDRESS_MATCH_ON_ADDRESS_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check address line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_BLANK_SECONDARY_ADDRESSES

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on blank secondary address in Address Match Rule.

Name: ADDRESS_MATCH_ON_LAST_LINE_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

Check last line similarity in Address Match Rule.

Name: ADDRESS_MATCH_ON_STREET_OR_PO_BOX

Type: BOOLEAN

Valid Values: true, false

Default: false

Match on Street or Post Office (PO) Box in Address Match Rule.

Name: CUSTOM_RULE

Type: STRING

Valid Values: N/A

Default: N/A

Custom Merge Rule

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description of match rule.

Name: FIRM_CROSS_MATCH_FIRM1_AND_FIRM2

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder cross match firm 1 and firm 2?

Name: FIRM_MATCH_ON_ABBREVIATIONS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on abbreviations?

Name: FIRM_MATCH_ON_ACRONYMS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on acronyms?

Name: FIRM_MATCH_ON_PARTIAL_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder match on partial names?

Name: FIRM_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder check firm similarity?

Name: FIRM_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Similarity score for firm in Firm Match Rule.

Name: FIRM_STRIP_NOISE_WORDS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a firm match rule, should Warehouse Builder strip noise words?

Name: PERSON_DETECT_SWITCHED_NAME_ORDER

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person rule, should Warehouse Builder detect the switched name order.

Name: PERSON_FN_DETECT_COMPOUND_NAME

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect compound names?

Name: PERSON_FN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on initials.

Name: PERSON_FN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name similarity?

Name: PERSON_FN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name soundex?

Name: PERSON_FN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on first name substrings?

Name: PERSON_FN_MRS_MATCH

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect MRS? (For example, should Mrs John Smith match Mrs Smith)

Name: PERSON_FN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If matching in first name similarity, what is the similarity score?

Name: PERSON_LN_DETECT_MISSING_HYPHEN

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder detect missing hyphens?

Name: PERSON_LN_MATCH_HYPHENATED_NAMES

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on hyphenated last name?

Name: PERSON_LN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name similarity?

Name: PERSON_LN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on last name soundex?

Name: PERSON_LN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on last name similarity, what is the similarity score?

Name: PERSON_MN_MATCH_ON_INITIALS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name initials?

Name: PERSON_MN_MATCH_ON_SIMILARITY

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name similarity?

Name: PERSON_MN_MATCH_ON_SOUNDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name soundex?

Name: PERSON_MN_MATCH_ON_SUBSTRINGS

Type: BOOLEAN

Valid Values: true, false

Default: false

If this is a person match rule, should Warehouse Builder match on middle name substrings?

Name: PERSON_MN_SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If Warehouse Builder is matching on middle name similarity, what is the similarity score?

Name: TOTAL_WEIGHT_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a weight rule, the sum of all weights must be equal to or greater than this score for the records to pass the weight rule.

Name: TYPE

Type: STRING

Valid Values: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS Default: MM_TRUE What type of match rule is this? Possible types are: MM_TRUE, MM_FALSE, MM_WEIGHT, MM_CONDITIONAL, MM_CUSTOM, MM_PERSON, MM_FIRM, MM_ADDRESS

Name: USAGE

Type: STRING

Valid Values: MM_ACTIVE, MM_PASSIVE

Default: MM_ACTIVE

Is this an active or passive rule? Possible usages are: MM_ACTIVE, MM_PASSIVE.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Merge Attribute

Name: COPY_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Copy this merged attribute to merge rule target attribute.

Name: CUSTOM_TEXT

Type: STRING

Valid Values: N/A

Default: N/A

Implementation text for custom merge rule. Include "BEGIN and END statements.

Name: DESCRIPTION

Type: STRING

Valid Values: N/A

Default: N/A

Description

Name: MATCH_ID_SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for match id merge rule. This sequence will be used to generate the match id.

Name: MATCH_ID_SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for match id merge rule. This sequence will be used to generate the match id.

Name: MIN_MAX_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Selecting attribute for min/max merge rule

Name: MIN_MAX_TYPE

Type: STRING

Valid Values: MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST

Default: MM_MAX

Select record where attribute is min,max, shortest, longest. Possible values are MM_MIN, MM_MAX, MM_SHORTEST, MM_LONGEST.

Name: SEQUENCE_MODULE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence module name for sequence merge rule.

Name: SEQUENCE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Physical sequence name for sequence merge rule.

Name: TYPE

Type: STRING

Valid Values: MM_ANY, MM_MATCH_ID, MM_RANK, MM_SEQUENCE, MM_MIN_MAX, MM_COPY, MM_CUSTOM, MM_RECORD_ANY, MM_RECORD_RANK, MM_RECORD_MIN_MAX, MM_RECORD_CUSTOM Default: MM_ANY Merge Rule Type. Possible values are:MM_ANY,MM_MATCH_ID,MM_RANK,MM_SEQUENCE,MM_MIN_MAX,MM_COPY,MM_CUSTOM,MM_RECORD_ANY,MM_RECORD_RANK,MM_RECORD_MIN_MAX,MM_RECORD_CUSTOM.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD ADDRESS_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND Default: MM_PRIMARY_ADDR What role is this attribute? Possible values are: MM_PRIMARY_ADDR, MM_UNIT_NUM, MM_PO_BOX, MM_DUAL_PRIMARY_ADDR, MM_DUAL_UNIT_NUM, MM_DUAL_PO_BOX, MM_CITY, MM_STATE, MM_POSTAL_CODE, MM_IS_FOUND.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD CONDITIONS CHILD:

Name: ALGORITHM

Type: STRING

Valid Values: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM Default: MM_EXACT Algorithm of this condition. Possible values are: MM_EXACT, MM_STD_EXACT, MM_SOUNDEX, MM_SIMILARITY, MM_STD_SIMILARITY, MM_PARTIAL_NAME, MM_ABBREVIATION, MM_ACRONYM.

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

To which attribute does this condition apply?

Name: BLANK_MATCHING

Type: STRING

Valid Values: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK Default: MM_MATCH_BOTH_BLANK How do you want blanks to be handled? Possible values are: MM_MATCH_BOTH_BLANK, MM_MATCH_EITHER_BLANK, MM_NO_MATCH_IF_BLANK.

Name: SIMILARITY_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

If this is a similarity condition, what score must the similarity equal or exceed for records to meet the condition?

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD FIRM_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role?

Name: TYPE

Type: STRING

Valid Values: MM_FIRM1, MM_FIRM2

Default: MM_FIRM1

What role is this attribute? Possible values are: MM_FIRM1,MM_FIRM2.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD PERSON_ROLES CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

What is the attribute for this role.

Name: TYPE

Type: STRING

Valid Values: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME Default: MM_PRENAME What role is this attribute? Possible values are: MM_PRENAME, MM_FIRST_NAME_STD, MM_MIDDLE_NAME_STD, MM_MIDDLE_NAME_2_STD, MM_MIDDLE_NAME_3_STD, MM_LAST_NAME, MM_MATURITY_POST_NAME.

Properties for MATCHMERGE OPERATOR MATCH_RULES CHILD WEIGHTS CHILD:

Name: BLANK_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Score if either attribute is blank

Name: WEIGHT_ATTRIBUTE

Type: STRING

Valid Values: N/A

Default: N/A

Attribute

Name: WEIGHT_SCORE

Type: NUMBER

Valid Values: N/A

Default: N/A

Score used for this weight if the attributes in the two match records are identical.
Similarity will be used to generate this score.

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD ATTRIBUTES
CHILD:

Name: ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

Record merge rule attribute

Properties for MATCHMERGE OPERATOR MERGE_RULES CHILD RANK_RULES
CHILD:

Name: EXPRESSION

Type: STRING

Valid Values: N/A

Default: N/A

Rank expression.

Properties for FLAT_FILE OPERATOR INOUT GROUP:

Name: RECORD_TYPE_VALUES

Type: STRING

Valid Values: N/A

Default: N/A

Record Type Values.

Properties for JOINER OPERATOR INPUT GROUP:

Properties for PIVOT OPERATOR OUTPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the output group is the row locator.

Properties for SPLITTER OPERATOR OUTPUT GROUP:

Name: SPLIT_CONDITION

Type: STRING

Valid Values: N/A

Default: N/A

Condition that defines when to perform the attribute maps for the attributes in this group.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP:

Name: INPUT_PARAMETER_TYPE

Type: STRING

Valid Values: REF_CURSOR, SCALAR

Default: REF_CURSOR

This property specifies whether the input parameter is a scalar or a ref cursor type

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter group

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP:

Name: RETURN_TABLE_OF_SCALAR

Type: BOOLEAN

Valid Values: true, false

Default: false

This property specifies whether the return of the table function is a TABLE of SCALAR or not.

Properties for UNPIVOT OPERATOR INPUT GROUP:

Name: ROW_LOCATOR

Type: STRING

Valid Values: N/A

Default: N/A

An expression indicating which attribute within the input group is the row locator.

Name: ROW_LOCATOR_VALUES

Type: STRING

Valid Values: N/A

Default: NULL, NULL

A comma-separated expressions that gives the possible values of the row locator within a unpivot group.

Properties for ADVANCED_QUEUE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for CUBE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, = | |, | | =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for DIMENSION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =|, || =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for EXTERNAL_TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for INPUT_PARAMETER OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value applies when the map is not given a value for this attribute. The value can be specified only by the calling program.

Properties for KEY_LOOKUP OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The default value used for this attribute if no key lookup table row exists for a given input row.

Properties for MATCHMERGE OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: MERGE_ATTR

Type: STRING

Valid Values: N/A

Default: N/A

Related merge attribute

Properties for MATERIALIZED_VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, = | |, | | =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for NAME_AND_ADDRESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: INPUT_ROLE

Type: STRING

Valid Values: NA_NONE, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_FIRSTPARTNAME, NA_LASTPARTNAME, NA_PRENAME, NA_POSTNAME, NA_PERSON, NA_PERSON2, NA_PERSON3, NA_FIRMNAME, NA_PRIMARYADDRESS, NA_SECONDARYADDRESS, NA_ADDRESS, NA_ADDRESS2, NA_NEIGHBORHOOD, NA_LASTLINE, NA_CITY, NA_STATE, NA_POSTALCODE, NA_COUNTRYNAM, NA_COUNTRYCODE, NA_LINE1, NA_LINE2, NA_LINE3, NA_LINE4, NA_LINE5,

NA_LINE6, NA_LINE7, NA_LINE8, NA_LINE9, NA_LINE10 Default: NA_NONE
Assigns a name-address input role to the selected input attribute

Properties for NAME_AND_ADDRESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: ADDRESS_TYPE

Type: STRING

Valid Values: NA_ADDRTYPE_NORMAL, NA_ADDRTYPE_DUAL

Default: NA_ADDRTYPE_NORMAL

You can designate an address type as Normal or Dual. For example, a dual address occurs when a record contains both a street address and a P.O. Box; this is common with business data. A normal address contains only one type of address.

Name: INSTANCE

Type: STRING

Valid Values: NA_INSTANCE_FIRST, NA_INSTANCE_SECOND, NA_INSTANCE_THIRD, NA_INSTANCE_FOURTH, NA_INSTANCE_FIFTH, NA_INSTANCE_SIXTH
Default: NA_INSTANCE_FIRST The instance option is used when an address contains multiple names, you can specify which name in the group should be used. In addition, you can use this option to assign an address type to a miscellaneous address component.

Name: OUTPUT_COMPONENT

Type: STRING

Valid Values: NA_NONE, NA_PRENAME, NA_FIRSTNAMESTD, NA_MIDDLENAMESTD, NA_MIDDLENAME2STD, NA_MIDDLENAME3STD, NA_POSTNAME, NA_OTHERPOSTNAME, NA_NAMEDESIGNATOR, NA_RELATIONSHIP, NA_PERSON, NA_FIRSTNAME, NA_MIDDLENAME, NA_MIDDLENAME2, NA_MIDDLENAME3, NA_LASTNAME, NA_GENDER, NA_PERSONCOUNT, NA_FIRMNAME, NA_FIRMCOUNT, NA_ADDRESS, NA_PRIMARYADDRESS, NA_STREETNUMBER, NA_PREDIRECTIONAL, NA_STREETNAME, NA_STREETTYPE, NA_POSTDIRECTIONAL, NA_SECONDARYADDRESS, NA_UNITDESIGNATOR, NA_UNITNUMBER, NA_BOXNAME, NA_BOXNUMBER, NA_ROUTENAME, NA_ROUTENUMBER, NA_BUILDINGNAME, NA_COMPLEX, NA_MISCADDRESS, NA_LASTLINE, NA_NEIGHBORHOOD, NA_CITY, NA_STATE, NA_POSTALCODE, NA_POSTALCODEFORMATTED, NA_DELIVERYPOINT, NA_COUNTRYCODE, NA_COUNTRYCODE3, NA_COUNTRYNAM, NA_ISGOODGROUP, NA_ISPARSED, NA_PARSESTATUS, NA_PARSESTATUSDESC, NA_ISGOODNAME, NA_NAMEWARNING, NA_ISGOODADDRESS, NA_ISFOUND, NA_CITYMATCH, NA_STREETNAMEMATCH, NA_STREETNUMBERMATCH, NA_STREETCOMPMATCH, NA_NONAMBIGUOUSMATCH, NA_CITYWARNING, NA_STREETWARNING, NA_ISADDRESSVERIFIABLE, NA_ADDRESSCORRECTED, NA_POSTALCODECORRECTED, NA_CITYCORRECTED, NA_STREETCORRECTED, NA_STREETCOMPCORRECTED, NA_ADDRESSTYPE, NA_PARSINGCOUNTRY, NA_INSTALLATIONTYPE, NA_INSTALLATIONNAME, NA_

DELIVERYOFFICECODE, NA_DELIVERYBEATCODE, NA_ADDRESS2, NA_LOCALITYCODE, NA_LOCALITYNAME, NA_COUNTYNAME, NA_ZIP5, NA_ZIP4, NA_URBANIZATIONNAME, NA_LACS, NA_CART, NA_CHECKDIGIT, NA_MSA, NA_MCD, NA_LATITUDE, NA_LONGITUDE, NA_FIPSCOUNTY, NA_FIPS, NA_CENSUSID Default: NA_NONE Assigns a Name and Address output component to the selected output attribute.

Properties for PIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the pivot group key.

Properties for PIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the pivot group key, which obtains its value from its corresponding input attribute.

Name: PIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: N/A

A comma-separated expression that gives the input attribute to be used for each output row in the pivot group.

Properties for POSTMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for POSTMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for PREMAPPING_PROCESS OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for PREMAPPING_PROCESS OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TABLE OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =|, || =

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Properties for TABLE_FUNCTION OPERATOR INPUT GROUP ATTRIBUTE:

Name: PARAMETER_POSITION

Type: NUMBER

Valid Values: N/A

Default: N/A

The position of the argument in the table function signature corresponding to this parameter

Properties for TABLE_FUNCTION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: TYPE_ATTRIBUTE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name of the field of the PLS Record or attribute of the Object Type or column of the ROWTYPE that corresponds to this attribute. This property is not applicable if the return type is TABLE or SCALAR.

Properties for TRANSFORMATION OPERATOR INPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: N/A

The Default Value for the function input parameter

Name: IS_OPTIONAL

Type: BOOLEAN

Valid Values: true, false

Default: N/A

If true, the input is not required to be connected

Properties for TRANSFORMATION OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: FUNCTION_RETURN

Type: BOOLEAN

Valid Values: true, false

Default: N/A

Specifies whether this output is the return value of this function

Properties for TRANSFORMATION OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Properties for UNPIVOT OPERATOR INPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this input attribute is a part of the unpivot group key.

Properties for UNPIVOT OPERATOR OUTPUT GROUP ATTRIBUTE:

Name: GROUP_KEY

Type: BOOLEAN

Valid Values: true, false

Default: false

A boolean value to indicate whether this output attribute is a part of the unpivot group key, which obtains its value from its corresponding input attribute.

Name: MATCHING_ROW

Type: NUMBER

Valid Values: 1 - 1000

Default: 1

An positive integer to indicate from which row within the unpivot group this output attribute obtains its data.

Name: UNPIVOT_EXPRESSION

Type: STRING

Valid Values: N/A

Default: NULL

An expression that gives the input attribute to be used as the output of this attribute.

Properties for VIEW OPERATOR INOUT GROUP ATTRIBUTE:

Name: BOUND_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The name to be used by the code generator to identify this item. By default it is the same physical name as the item.

Name: LOAD_COLUMN_WHEN_INSERTING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the insert load operation.

Name: LOAD_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will participate in the update load operation.

Name: MATCH_COLUMN_WHEN_DELETING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the delete load operation.

Name: MATCH_COLUMN_WHEN_UPDATING_ROW

Type: STRING

Valid Values: YES, NO

Default: YES

A boolean value to indicate whether this attribute will be used to construct the matching criteria between the incoming data and the existing data on the target during the update load operation.

Name: UPDATE_OPERATION

Type: STRING

Valid Values: =, +=, -=, =-, =|, |=

Default: =

The computation to be performed on this attribute between the incoming data and the existing data on the target during the update load operation.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

childName

Name of a child that belongs to map, mapping operator, mapping group or mapping attribute.

operatorName

Name of a mapping operator.

groupDirection

Direction of a mapping group.

groupLocator

Location of a mapping group.

getGroupDetailClause

Get the desired detail of a mapping group.

groupBottomUpLocator

Location of a mapping group.

attributeBottomUpLocator

Location of a mapping attribute.

groupName

Name of a mapping group.

attributeLocator

Location of a mapping attribute.

getAttributeDetailClause

Get the desired detail of a mapping attribute.

attributeName

Name of a mapping attribute.

Examples

OMBRETRIEVE MAPPING 'MAP1' GET OPERATORS

OMBRETRIEVE MAPPING 'MAP1' OPERATOR 'SRC1' ATTRIBUTE_GROUP
'INOUTGRP1'

GET ATTRIBUTE CONNECTED TO OPERATOR 'target1'

OMBRETRIEVE MAPPING 'MAP1' OPERATOR 'SRC1' GET PROPERTIES
(BUSINESS_NAME, DESCRIPTION)

See Also

OMBRETRIEVE, OMBCREATE MAPPING, OMBALTER MAPPING, OMBDROP
MAPPING

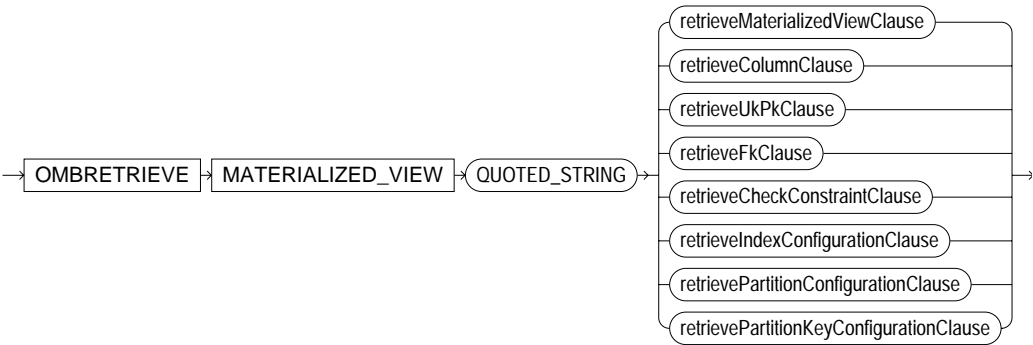
OMBRETRIEVE MATERIALIZED_VIEW

Purpose
OMBRETRIEVE MATERIALIZED_VIEW - To retrieve properties of a materialized view.

Prerequisites
In the context of an Oracle Module

Syntax Diagrams

retrieveMaterializedViewCommand



retrieveMaterializedViewClause



retrieveColumnClause



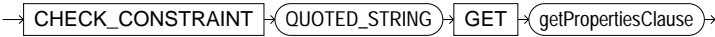
retrieveUkPkClause



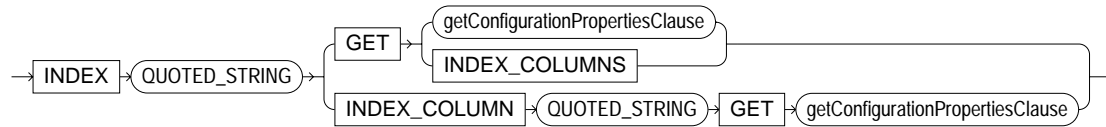
retrieveFkClause



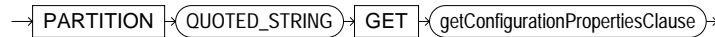
retrieveCheckConstraintClause



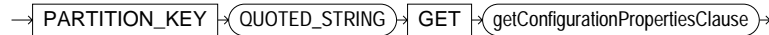
retrieveIndexConfigurationClause



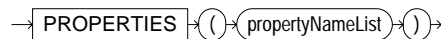
retrievePartitionConfigurationClause



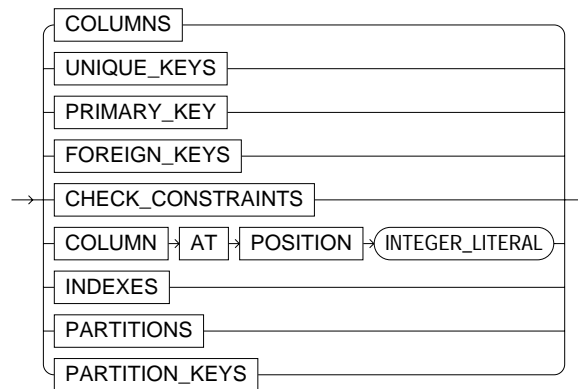
retrievePartitionKeyConfigurationClause



getPropertiesClause



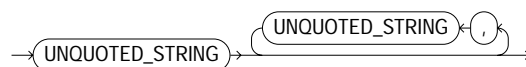
getTableSCOClaue



getConfigurationPropertiesClause



propertyNameList



Syntax

```

retrieveMaterializedViewCommand = OMBRETRIEVE MATERIALIZED_VIEW
  "QUOTED_STRING" ( "retrieveMaterializedViewClause" | "retrieveColumnClause"
    | "retrieveUkPkClause" | "retrieveFkClause" | "retrieveCheckConstraintClause" |
    "retrieveIndexConfigurationClause" | "retrievePartitionConfigurationClause" |
    "retrievePartitionKeyConfigurationClause" );
  
```

```

retrieveMaterializedViewClause = GET ( "getPropertiesClause" |
  "getTableSCOClaue" );
  
```

```

retrieveColumnClause = COLUMN "QUOTED_STRING" GET
  "getPropertiesClause";
  
```

```

retrieveUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" GET
  ( "getPropertiesClause" | COLUMNS );
  
```

```
retrieveFkClause = FOREIGN_KEY "QUOTED_STRING" GET (
"getPropertiesClause" | COLUMNS | UNIQUE_KEY | PRIMARY_KEY);

retrieveCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" GET
"getPropertiesClause";

retrieveIndexConfigurationClause = INDEX "QUOTED_STRING" ( GET (
"getConfigurationPropertiesClause" | INDEX_COLUMNS ) | ( INDEX_COLUMN
"QUOTED_STRING" GET "getConfigurationPropertiesClause" ) );

retrievePartitionConfigurationClause = PARTITION "QUOTED_STRING" GET
"getConfigurationPropertiesClause";

retrievePartitionKeyConfigurationClause = PARTITION_KEY "QUOTED_STRING"
GET "getConfigurationPropertiesClause";

getPropertiesClause = PROPERTIES (" " "propertyNameList" " ");

getTableSCOClauses = COLUMNS | UNIQUE_KEYS | PRIMARY_KEY | FOREIGN_
KEYS | CHECK_CONSTRAINTS | COLUMN AT POSITION "INTEGER_LITERAL"
| INDEXES | PARTITIONS | PARTITION_KEYS;

getConfigurationPropertiesClause = PROPERTIES (" " "propertyNameList" " ");

propertyNameList = "UNQUOTED_STRING" { " " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveMaterializedViewCommand

This clause retrieves a materialized view.

QUOTED_STRING

name of the materialized view.

retrieveMaterializedViewClause

This clause retrieves a properties of a materialized view.

retrieveColumnClause

This clause will retrieve columns

QUOTED_STRING

Name of the column

retrieveUkPkClause

This will get the unique key or primary key clause.

retrieveFkClause

Name of the foreign key

retrieveCheckConstraintClause

This clause gets the check constraint

QUOTED_STRING

name of the check constraint.

retrieveIndexConfigurationClause

Gets the index in this clause.

QUOTED_STRING

Name of the index.

retrievePartitionConfigurationClause

Gets the partition.

QUOTED_STRING

The partition name.

retrievePartitionKeyConfigurationClause

This clause gets the partition key.

QUOTED_STRING

The name of the partition key.

getPropertiesClause

This clause retrieves all the properties.

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for MATERIALIZED_VIEW:

Name: BASE_TABLES

Type: STRING

Valid Values: N/A

Default: "

Comma separated list of base tables.

Name: BUILD

Type: STRING

Valid Values: DEFERRED, IMMEDIATE

Default: IMMEDIATE

Immediate : populates the view when it is created. Deferred : delays population until the next refresh operation.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

Hash SubPartition Number

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: QUERY_REWRITE

Type: STRING

Valid Values: DISABLE, ENABLE

Default: ENABLE

Enable marks the View eligible for query rewrite and disable marks the View ineligible for query rewrite

Name: REFRESH

Type: STRING

Valid Values: COMPLETE, FAST, ON_COMMIT, ON_DEMAND, FORCE

Default: COMPLETE

Complete : specifies the complete refresh method implemented by executing the query of the view. Fast : specifies the incremental refresh method which refreshes the view according to changes that have occurred to the master tables. Force : specifies that when a refresh occurs, Oracle performs a fast refresh if possible or a complete refresh otherwise.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

getTableSCOClauses

This clause retrieves components like columns, indexes etc. of a table.

getConfigPropertiesClause

This clause gets the configuration properties of the object.

propertyNameList

The list of properties.

Examples

OMBRETRIEVE MATERIALIZED_VIEW 'NEW_MATERIALIZED_VIEW' GET PROPERTIES (DESCRIPTION, BUSINESS_NAME) This will retrieve its description and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE OBJECT_TYPE

Purpose

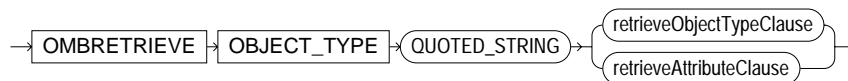
OMBRETRIEVE OBJECT_TYPE - Retrieve details of the Object Type.

Prerequisites

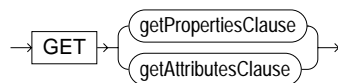
Should be in the context of an Oracle Module.

Syntax Diagrams

retrieveObjectTypeCommand



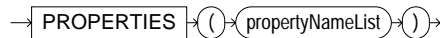
retrieveObjectTypeClause



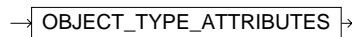
retrieveAttributeClause



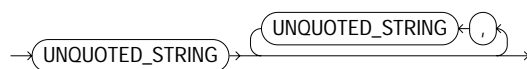
getPropertiesClause



getAttributesClause



propertyNameList



Syntax

```
retrieveObjectTypeCommand = OMBRETRIEVE OBJECT_TYPE "QUOTED_STRING"
                             ( "retrieveObjectTypeClause" | "retrieveAttributeClause" );
```

```
retrieveObjectTypeClause = GET ( "getPropertiesClause" | "getAttributesClause" );
```

```
retrieveAttributeClause = OBJECT_TYPE_ATTRIBUTE "QUOTED_STRING" GET
                           "getPropertiesClause";
```

```
getPropertiesClause = PROPERTIES ( " "propertyNameList" " );
```

```
getAttributesClause = OBJECT_TYPE_ATTRIBUTES;
```

```
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveObjectTypeCommand

Retrieves the details of the Object Type with the given name.

retrieveObjectTypeClause

Gets the properties or the Attribute names.

retrieveAttributeClause

Gets the properties of the Attribute with the given name.

getPropertiesClause

This clause retrieves all the properties.

Basic properties for OBJECT_TYPE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Object Type

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Object Type

Basic properties for OBJECT_TYPE_ATTRIBUTE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Attribute

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Attribute

Name: DATATYPE

Type: STRING(20)

Valid Values: NUMBER, VARCHAR2, VARCHAR, DATE, FLOAT

Default: "

Datatype of the Attribute

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

getAttributesClause

Gets the names of all the Attributes of the Object Type with the given name.

propertyNameList

The list of properties.

Examples

OMBRETRIEVE OBJECT_TYPE 'SOME_OBJECT_TYPE' OBJECT_TYPE_ATTRIBUTE
'ATTR1' GET PROPERTIES (DATATYPE) This will retrieve the Object Type "SOME_
OBJECT_TYPE"'s attribute "ATTR1"'s datatype.

See Also

OMBRETRIEVE, OMBALTER OBJECT_TYPE, OMBCREATE OBJECT_TYPE,
OMBDROP OBJECT_TYPE

OMBRETRIEVE ORACLE_MODULE

Purpose

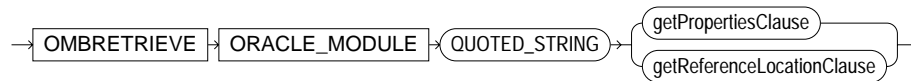
OMBRETRIEVE ORACLE_MODULE - Retrieve details of the Oracle module.

Prerequisites

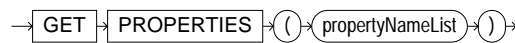
Should be in the context of project.

Syntax Diagrams

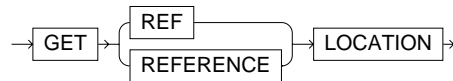
retrieveOracleModuleCommand



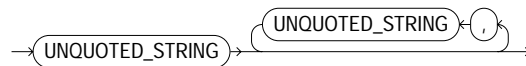
getPropertiesClause



getReferenceLocationClause



propertyNameList



Syntax

```
retrieveOracleModuleCommand = OMBRETRIEVE ORACLE_MODULE "QUOTED_STRING" ( "getPropertiesClause" | "getReferenceLocationClause" );
```

```
getPropertiesClause = GET PROPERTIES "( " "propertyNameList" ")";
```

```
getReferenceLocationClause = GET ( REF | REFERENCE ) LOCATION;
```

```
propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveOracleModuleCommand

This command retrieves the details of an Oracle Module

QUOTED_STRING

Name of the existing Oracle module or path to the Oracle module.

getPropertiesClause

Retrieve a set of properties that is associated with an Oracle Module.

Properties for ORACLE_MODULE:

Name: ABAP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\

Location where ABAP scripts are stored

Name: ABAP_EXTENSION

Type: STRING

Valid Values: N/A

Default: .abap

File name extension for ABAP scripts

Name: ABAP_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Run Parameter File Suffix for the parameter script in a ABAP job.

Name: ABAP_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: abap\log\

Location where ABAP scripts are buffered during script generation processing.

Name: APPLICATION_SHORT_NAME

Type: STRING

Valid Values: N/A

Default: WB

Application Short Name

Name: ARCHIVE_DIRECTORY

Type: STRING

Valid Values: N/A

Default: archive\

Archive Directory

Name: CONNECT_STRING

Type: STRING

Valid Values: N/A

Default: "

A Net*8 style connection string to the remote database. Alternatively, you can specify machine, port, service name of the remote database.

Name: DDL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\

Location where scripts for database objects for the target schema are stored.

Name: DDL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .ddl

File name extension for DDL scripts.

Name: DDL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ddl\log\

Location where DDL scripts are buffered during script generation processing.

Name: DEFAULT_INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install indexes into.

Name: DEFAULT_OBJECT_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Default name of tablespace to install objects into.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: END_OF_LINE

Type: STRING

Valid Values: N/A

Default: \r\n

End of Line

Name: INPUT_DIRECTORY

Type: STRING

Valid Values: N/A

Default: input\

Input Directory

Name: INVALID_DIRECTORY

Type: STRING

Valid Values: N/A

Default: invalid\

Directory for SQL*Loader errors and rejected records

Name: LIB_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\

LIB Directory

Name: LIB_EXTENSION

Type: STRING

Valid Values: N/A

Default: .lib

LIB Extension

Name: LIB_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: lib\log\

LIB Spool Directory

Name: LOADER_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ctl\

Location where control files are stored.

Name: LOADER_EXTENSION

Type: STRING

Valid Values: N/A

Default: .ctl

Suffix for the loader scripts

Name: LOADER_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Suffix for the parameter initialization file.

Name: LOG_DIRECTORY

Type: STRING

Valid Values: N/A

Default: log\

Log Directory for the SQL*Loader

Name: MAIN_APPLICATION_SHORT_NAME

Type: STRING

Valid Values: N/A

Default: ora

Main Application Short Name

Name: PLSQL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: pls\

Location where PL/SQL scripts are stored.

Name: PLSQL_EXTENSION

Type: STRING

Valid Values: N/A

Default: .pls

File name extension for PL/SQL scripts.

Name: PLSQL_GENERATION_MODE

Type: STRING

Valid Values: Oracle9i, Oracle8i

Default: Oracle9i

Generation mode controls validation and generation for version specific features.

Name: PLSQL_RUN_PARAMETER_FILE

Type: STRING

Valid Values: N/A

Default: _run.ini

Suffix for the parameter script in a PL/SQL job.

Name: PLSQL_SPOOL_DIRECTORY

Type: STRING

Valid Values: N/A

Default: pls\log\

Location where PL/SQL scripts are buffered during script generation processing.

Name: PORT

Type: STRING

Valid Values: N/A

Default: "

The port number on the machine where the database listens to.

Name: RECEIVE_DIRECTORY

Type: STRING
Valid Values: N/A
Default: receive\
Receive Directory

Name: REMOTE_HOST_NAME
Type: STRING
Valid Values: N/A
Default: "
The machine where the remote database resides on.

Name: SCHEMA_OWNER
Type: STRING
Valid Values: N/A
Default: OWB
Schema Owner

Name: SERVICE_NAME
Type: STRING
Valid Values: N/A
Default: "
The service name (global DB name) of the database instance on the remote machine.

Name: SORT_DIRECTORY
Type: STRING
Valid Values: N/A
Default: sort\
Sort Directory

Name: TCL_DIRECTORY
Type: STRING
Valid Values: N/A
Default: tcl\
Location for TCL scripts that are generated after registration with Oracle Enterprise Manager

Name: TOP_DIRECTORY

Type: STRING

Valid Values: N/A

Default: ..\..\codegen\

Top Directory where generated code will get stored

Name: WORK_DIRECTORY

Type: STRING

Valid Values: N/A

Default: work\

Work Directory

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

getReferenceLocationClause

Retrieve the location that is set to the Oracle module.

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE ORACLE_MODULE 'src_module' GET PROPERTIES
(DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the Oracle module "src_
module"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE PACKAGE

Purpose

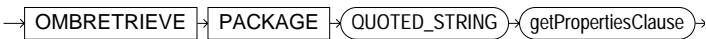
OMBRETRIEVE PACKAGE - Retrieve details of the Package.

Prerequisites

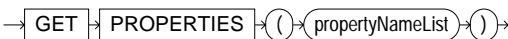
Should be in the context of a Oracle Module or Transformation Module.

Syntax Diagrams

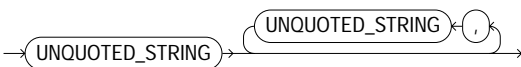
retrievePackageCommand



getPropertiesClause



propertyNameList



Syntax

retrievePackageCommand = OMBRETRIEVE PACKAGE "QUOTED_STRING"
"getPropertiesClause";
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

Keywords and Parameters

retrievePackageCommand

This command retrieves the details of a Package

QUOTED_STRING

Name of the existing Package or path to the Package.

getPropertiesClause

Used to get properties (core, user-defined) for packages. Valid properties are shown below:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the package

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the package

Name: PACKAGE_SPEC

Type: STRING

Valid Values: N/A

Default: "

Retrieves the Package Spec of Imported Package

Name: PACKAGE_BODY

Type: STRING

Valid Values: N/A

Default: "

Retrieves the Package Body of Imported Package

Name: IS_IMPORTED

Type: BOOLEAN

Valid Values: N/A

Default: "

Retrieves 'true' if the Package is Imported otherwise 'false'

Properties for PACKAGE:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the package with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE PACKAGE 'package_1' GET PROPERTIES (DESCRIPTION, UUID, BUSINESS_NAME,) This will retrieve the Package "package_1's description, uuid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE PROCEDURE

Purpose

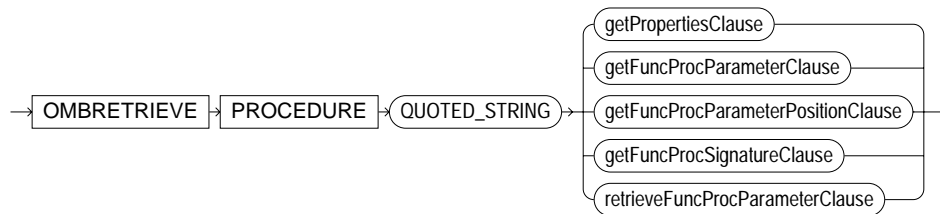
OMBRETRIEVE PROCEDURE - Retrieve details of the Procedure.

Prerequisites

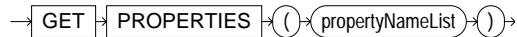
Should be in the context of a Oracle Module or Package or Transformation Module.

Syntax Diagrams

retrieveProcedureCommand



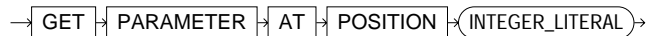
getPropertiesClause



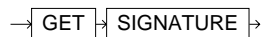
getFuncProcParameterClause



getFuncProcParameterPositionClause



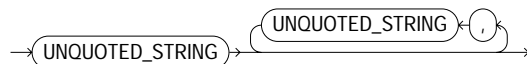
getFuncProcSignatureClause



retrieveFuncProcParameterClause



propertyNameList



Syntax

```

retrieveProcedureCommand = OMBRETRIEVE PROCEDURE "QUOTED_STRING" (
  "getPropertiesClause" | "getFuncProcParameterClause" |
  "getFuncProcParameterPositionClause" | "getFuncProcSignatureClause" |
  "retrieveFuncProcParameterClause" );
  
```

```

getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
  
```

```

getFuncProcParameterClause = GET PARAMETERS;
  
```

```

getFuncProcParameterPositionClause = GET PARAMETER AT POSITION
  "INTEGER_LITERAL";
  
```

```
getFuncProcSignatureClause = GET SIGNATURE;  
retrieveFuncProcParameterClause = PARAMETER "QUOTED_STRING"  
"getPropertiesClause";  
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveProcedureCommand

This command retrieves the details of a Procedure

QUOTED_STRING

Name of the existing Procedure or path to the Procedure.

getPropertiesClause

Used to get properties (core, user-defined) for procedure. Valid properties are shown below:

Basic properties for PROCEDURE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Procedure

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Procedure

Name: IMPLEMENTATION

Type: STRING

Valid Values: N/A

Default: "

Set the code for Procedure which is included global variable declaration and code between BEGIN and END.

Basic properties for PARAMETER:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the Parameter

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Parameter

Name: DATATYPE

Type: STRING

Valid Values: PLS_INTEGER, BINARY_INTEGER, BOOLEAN, NUMBER, FLOAT, CHAR, VARCHAR, VARCHAR2, DATE Default: NUMBER Set the data type for Parameter

Name: IN_OUT

Type: STRING

Valid Values: IN, OUT, INOUT

Default: 'IN'

Set the parameter mode for Parameter

Name: DEFAULT_VALUE

Type: STRING

Valid Values: N/A

Default: "

Set the default value for Parameter

Properties for PROCEDURE:

Name: AUTHID

Type: STRING

Valid Values: None, Current_User, Definer

Default: None

Generate the transformation with selected AUTHID option. Function will be executed with the permissions defined by the AUTHID clause rather than the function owner's permissions.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

getFuncProcParameterClause

Get all the parameter names of the Procedure

getFuncProcParameterPositionClause

Get the parameter position of Function

getFuncProcSignatureClause

Get the complete signature of the Function which includes parameter names, datatype, in/out type and default values

retrieveFuncProcParameterClause

Get the parameter information such as datatype, default value, in/out type and position

QUOTED_STRING

Name of the existing Parameter

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE PROCEDURE 'proc' GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME, IMPLEMENTATION, IS_IMPORTED)

See Also

OMBRETRIEVE

OMBRETRIEVE PROCESS_FLOW

Purpose

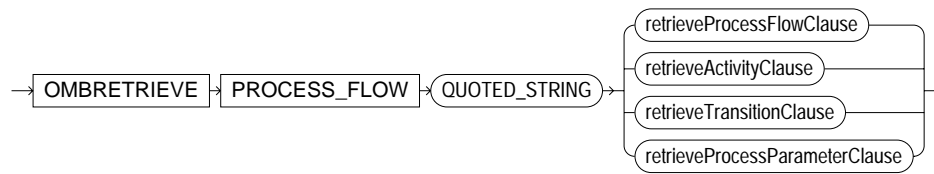
OMBRETRIEVE PROCESS_FLOW - Retrieves the details of the Process Flow.

Prerequisites

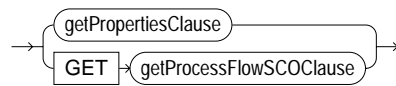
Should be in the context of a Process Flow Package.

Syntax Diagrams

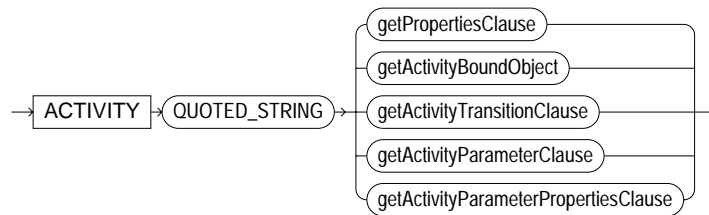
retrieveProcessFlowCommand



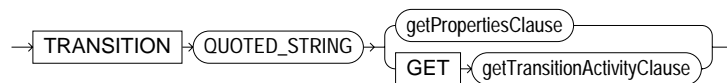
retrieveProcessFlowClause



retrieveActivityClause



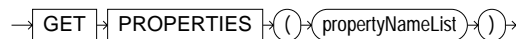
retrieveTransitionClause



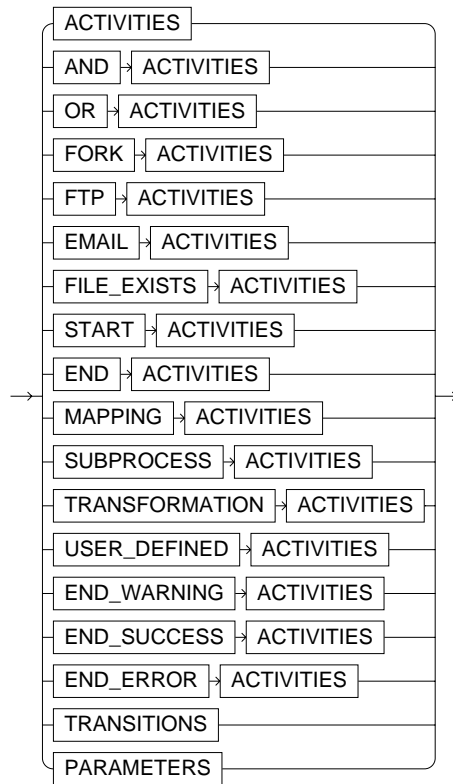
retrieveProcessParameterClause



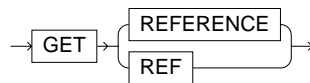
getPropertiesClause



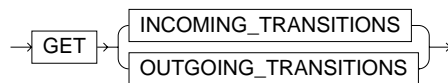
getProcessFlowSCOClause



getActivityBoundObject



getActivityTransitionClause



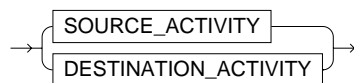
getActivityParameterClause



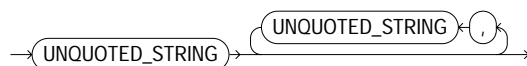
getActivityParameterPropertiesClause



getTransitionActivityClause



propertyNameList



Syntax

```

retrieveProcessFlowCommand = OMBRETRIEVE PROCESS_FLOW "QUOTED_
STRING" ( "retrieveProcessFlowClause" | "retrieveActivityClause" |
"retrieveTransitionClause" | "retrieveProcessParameterClause" );

retrieveProcessFlowClause = "getPropertiesClause" | GET
"getProcessFlowSCOClause";

retrieveActivityClause = ACTIVITY "QUOTED_STRING" ( "getPropertiesClause" |
"getActivityBoundObject" | "getActivityTransitionClause" |
"getActivityParameterClause" | "getActivityParameterPropertiesClause" );

retrieveTransitionClause = TRANSITION "QUOTED_STRING" (
"getPropertiesClause" | GET "getTransitionActivityClause" );

retrieveProcessParameterClause = PARAMETER "QUOTED_STRING"
"getPropertiesClause";

getPropertiesClause = GET PROPERTIES "( " "propertyNameList" " )";

getProcessFlowSCOClause = ACTIVITIES | AND ACTIVITIES | OR ACTIVITIES |
FORK ACTIVITIES | FTP ACTIVITIES | EMAIL ACTIVITIES | FILE_EXISTS
ACTIVITIES | START ACTIVITIES | END ACTIVITIES | MAPPING ACTIVITIES |
SUBPROCESS ACTIVITIES | TRANSFORMATION ACTIVITIES | USER_DEFINED
ACTIVITIES | END_WARNING ACTIVITIES | END_SUCCESS ACTIVITIES | END_
ERROR ACTIVITIES | TRANSITIONS | PARAMETERS;

getActivityBoundObject = GET ( REFERENCE | REF );

getActivityTransitionClause = GET ( INCOMING_TRANSITIONS | OUTGOING_
TRANSITIONS );

getActivityParameterClause = ( GET PARAMETERS );

getActivityParameterPropertiesClause = PARAMETER "QUOTED_STRING"
"getPropertiesClause";

getTransitionActivityClause = ( SOURCE_ACTIVITY | DESTINATION_ACTIVITY );

propertyNameList = "UNQUOTED_STRING" { ",", "UNQUOTED_STRING" };

```

Keywords and Parameters

retrieveProcessFlowCommand

Retrieve the details of an existing process flow.

retrieveProcessFlowClause

This clause retrieve the Process Flow.

retrieveActivityClause

This clause retrieves the Activity of a Process Flow.

retrieveTransitionClause

This clause retrieves the Transition of a Process Flow.

retrieveProcessParameterClause

This clause retrieves the Parameter of a Process Flow.

getPropertiesClause

Used to get properties (core, user-defined) for process flow. Valid properties are shown below:

Base properties for Process Flow, Activity, Transition and Parameter:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Process Flow

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Process Flow

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of a Process Flow

Basic properties for Transition:

Name: TRANSITION_CONDITION

Type: STRING

Valid Values: ", SUCCESS, ERROR, WARNING

Default: " i.e. Unconditional

Gets the Transition Condition of a Transition Basic properties for Activity Parameter :

Name: DATATYPE

Type: STRING

Valid Values: INTEGER, FLOAT, DATE, STRING, BOOLEAN

Default: STRING Gets the datatype of a Activity Parameter

Name: DIRECTION

Type: STRING

Valid Values: IN

Default: IN Gets the direction of a Activity Parameter

Name: VALUE

Type: STRING

Valid Values: Examples '123', '123.456', 'Jan-08-2003', 'I am String', 'true' Default: " Gets the value of a Activity Parameter

Name: BINDING

Type: STRING

Valid Values: Examples 'PROCESS_PARAM1', 'PROCESS_PARAM2' Default: " Get the name of the process parameter that this parameter is bound to, empty if not bound.

getProcessFlowSCOClause

For the current process flow, retrieve all activities or only activities of a specific type.

getActivityBoundObject

Retrieve the name of the object that the current activity refers to, pertinent to only MAPPING, SUBPROCESS and TRANSFORMATION activities.

getActivityTransitionClause

This clause retrieves all Activities of a Process Flow.

getActivityParameterClause

Retrieve the activity parameters for the current activity.

getActivityParameterPropertiesClause

Retrieve the details of an activity parameter.

getTransitionActivityClause

This clause retrieves all Transitions of a Process Flow.

propertyNameList

A comma delimited set of property names to set.

Examples

OMBRETRIEVE PROCESS_FLOW 'process_flow' GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME) GET ACTIVITIES This will retrieve the Process Flow "process_flow"'s description, uoid, and business name, and gets all activities of the process flow.

See Also

OMBRETRIEVE

OMBRETRIEVE PROCESS_FLOW_MODULE

Purpose

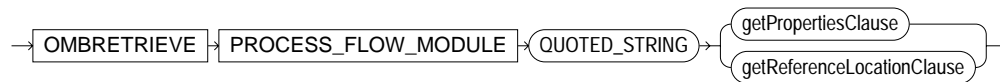
OMBRETRIEVE PROCESS_FLOW_MODULE - Retrieve details of the Process Flow Module.

Prerequisites

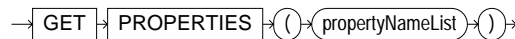
Should be in the context of a project.

Syntax Diagrams

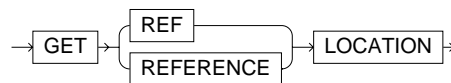
retrieveProcessFlowModuleCommand



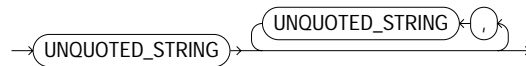
getPropertiesClause



getReferenceLocationClause



propertyNameList



Syntax

```
retrieveProcessFlowModuleCommand = OMBRETRIEVE PROCESS_FLOW_
MODULE "QUOTED_STRING" ( "getPropertiesClause" |
"getReferenceLocationClause" );

getPropertiesClause = GET PROPERTIES "( " "propertyNameList" " )";
getReferenceLocationClause = GET ( REF | REFERENCE ) LOCATION;
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveProcessFlowModuleCommand

Retrieve the details of an existing process flow module.

getPropertiesClause

Used to get properties (core, user-defined) for process flow module.

Base properties for PROCESS_FLOW_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Process Flow Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Process Flow Module

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of a Process Flow Module

getReferenceLocationClause

Retrieve the name of the Workflow engine location referenced by this process flow module.

propertyNameList

Comma separated list of property names. Property names are not in quotation marks.

Examples

OMBRETRIEVE PROCESS_FLOW_MODULE 'process_module' GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the Process Flow Module "process_module"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE PROCESS_FLOW_PACKAGE

Purpose

OMBRETRIEVE PROCESS_FLOW_PACKAGE - Retrieve details of the Process Flow Package.

Prerequisites

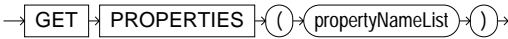
Should be in the context of a Process Flow Module.

Syntax Diagrams

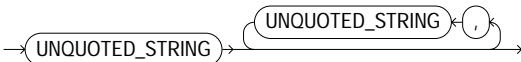
retrieveProcessFlowPackageCommand



getPropertiesClause



propertyNameList



Syntax

```
retrieveProcessFlowPackageCommand = OMBRETRIEVE PROCESS_FLOW_
PACKAGE "QUOTED_STRING" "getPropertiesClause";
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveProcessFlowPackageCommand

Retrieve the details of an existing process flow package.

getPropertiesClause

Used to get properties (core, user-defined) for process flow packages. Valid properties are shown below:

Basic properties for PROCESS_FLOW_PACKAGE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a Process Flow Package

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of a Process Flow Package

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of a Process Flow Package

propertyNameList

A comma delimited set of property names to set.

Examples

OMBRETRIEVE PROCESS_FLOW_PACKAGE 'process_package' GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the Process Flow Package "process_package"'s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE PROJECT

Purpose

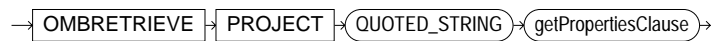
OMBRETRIEVE PROJECT - Retrieve details of the project.

Prerequisites

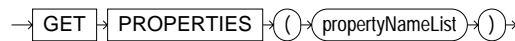
Should be in the top level context.

Syntax Diagrams

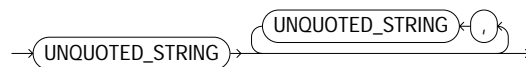
retrieveProjectCommand



getPropertiesClause



propertyNameList



Syntax

retrieveProjectCommand = OMBRETRIEVE PROJECT "QUOTED_STRING"
"getPropertiesClause";

getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";

propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };

Keywords and Parameters

retrieveProjectCommand

Retrieve the details of a Project

QUOTED_STRING

Name of the existing project or path to the project.

getPropertiesClause

Retrieve a set of properties that is associated with a Project.

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE PROJECT 'New Project' GET PROPERTIES (DESCRIPTION, UUID, BUSINESS_NAME) This will retrieve the project "New Project"'s description, uuid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE_RUNTIME_REPOSITORY_CONNECTION

Purpose

OMBRETRIEVE_RUNTIME_REPOSITORY_CONNECTION - Retrieve details from a runtime repository connection.

Prerequisites

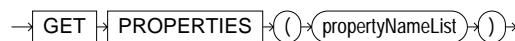
Should be in the context of a project.

Syntax Diagrams

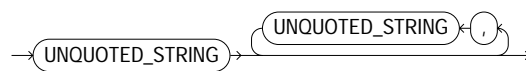
retrieveRuntimeRepositoryCommand



getPropertiesClause



propertyNameList



Syntax

```
retrieveRuntimeRepositoryCommand = OMBRETRIEVE_RUNTIME_REPOSITORY_
CONNECTION "QUOTED_STRING" "getPropertiesClause";
```

```
getPropertiesClause = GET PROPERTIES "(" "propertyNameList" ")";
```

```
propertyNameList = "UNQUOTED_STRING" { "," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveRuntimeRepositoryCommand

Retrieve details from a runtime repository connection.

getPropertiesClause

Get the specified properties of the runtime repository connection.

propertyNameList

The names of the properties whose values you want to retrieve.

Properties for RUNTIME_REPOSITORY_CONNECTION:

Name: HOST

Type: STRING

Valid Values: N/A

Default: N/A

The host machine the runtime repository is installed on.

Name: PORT

Type: NUMBER

Valid Values: 0 - 65535

Default: N/A

The port number of the database in which the runtime repository is installed.

Name: SERVICE_NAME

Type: STRING

Valid Values: N/A

Default: N/A

The service name of the database in which the runtime repository is installed.

Name: CONNECT_AS_USER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the database user you wish to connect to the runtime repository as.

Name: RUNTIME_REPOSITORY_OWNER

Type: STRING

Valid Values: N/A

Default: N/A

The name of the schema in which the runtime repository is installed.

All of the preceding properties are mandatory for OMBCREATE RUNTIME_REPOSITORY_CONNECTION.

Basic properties for RUNTIME_REPOSITORY_CONNECTION:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the runtime repository connection.

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the runtime repository connection.

Note:

1. N/A means any valid character in supported character set.
2. " represents an empty string

Examples

OMBRETRIEVE RUNTIME_REPOSITORY_CONNECTION 'MY_CONNECTION'
GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the
runtime repository connection "MY_CONNECTION"'s description, uoid, and business
name.

See Also

OMBRETRIEVE

OMBDROP SAP_MODULE

Purpose

OMBRETRIEVE SAP_MODULE - Retrieve details of the SAP module.

Prerequisites

You must open a project to retrieve a SAP module.

Syntax Diagrams

retrieveSAPModuleCommand



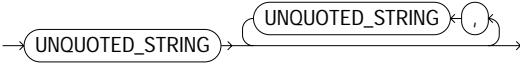
getPropertiesClause



getReferenceLocationClause



propertyNameList



Syntax

```
retrieveSAPModuleCommand = OMBRETRIEVE SAP_MODULE "QUOTED_
STRING" ( "getPropertiesClause" | "getReferenceLocationClause" );
getPropertiesClause = GET PROPERTIES "( " "propertyNameList" ")";
getReferenceLocationClause = GET ( REF | REFERENCE ) LOCATION;
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveSAPModuleCommand
Retrieve the details of an SAP Module

getPropertiesClause
Retrieve a set of properties that is associated with an SAP Module.

Base properties for SAP_MODULE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: NAME

Business name of a SAP Module

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of an SAP Module

Name: UOID

Type: STRING(40)

Valid Values: N/A

Default: N/A

UOID of an SAP Module

getReferenceLocationClause

Retrieve the name of the SAP location referenced by this SAP module.

propertyNameList

Comma separated list of property names. Property names are unquoted.

Examples

OMBRETRIEVE SAP_MODULE 'src_module' GET PROPERTIES (DESCRIPTION, UOID, BUSINESS_NAME) This will retrieve the SAP module "src_module"s description, uoid, and business name.

See Also

OMBRETRIEVE

OMBRETRIEVE SEQUENCE

Purpose

OMBRETRIEVE SEQUENCE - To retrieve properties of a sequence.

Prerequisites

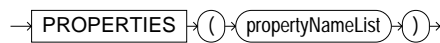
In the context of an Oracle Module

Syntax Diagrams

retrieveSequenceCommand



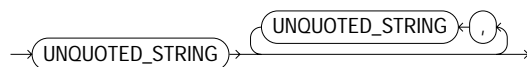
getPropertiesClause



retrieveColumnClause



propertyNameList



Syntax

```
retrieveSequenceCommand = OMBRETRIEVE SEQUENCE "QUOTED_STRING" (  
GET "getPropertiesClause" | "retrieveColumnClause");
```

```
getPropertiesClause = PROPERTIES "(" "propertyNameList" ")";
```

```
retrieveColumnClause = COLUMN "QUOTED_STRING" GET  
"getPropertiesClause";
```

```
propertyNameList = "UNQUOTED_STRING" { " ," "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveSequenceCommand

This clause retrieves properties of a sequence.

getPropertiesClause

This clause retrieves all the properties.

Basic properties for SEQUENCE:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the sequence.

Name: CURRVAL

Type: NUMBER

Valid Values: N/A

Default: 1

current increment value.

Name: NEXTVAL

Type: NUMBER

Valid Values: N/A

Default: 1

next increment value. next increment value.

Properties for SEQUENCE:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INCREMENT_BY

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Incremented By

Name: START_WITH

Type: NUMBER

Valid Values: -2147483648 - 2147483647

Default: 1

Sequence Starts With

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

retrieveColumnClause

This clause will retrieve columns

QUOTED_STRING

Name of the column

propertyNameList

The list of properties.

Examples

OMBRETRIEVE SEQUENCE 'NEW_SEQUENCE' GET PROPERTIES (DESCRIPTION)
This will retrieve its description.

See Also

OMBRETRIEVE

OMBRETRIEVE SNAPSHOT

Purpose

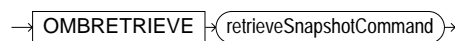
OMBRETRIEVE SNAPSHOT - Since the snapshot may contain many components, this command lets the user view all the contents in a snapshot.

Prerequisites

Snapshot contents can be retrieved from any context.

Syntax Diagrams

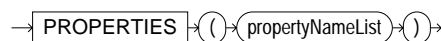
parseRetrieveCommand



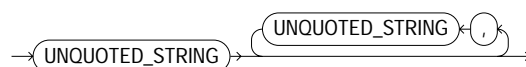
retrieveSnapshotCommand



getPropertiesClause



propertyNameList



Syntax

```

parseRetrieveCommand = OMBRETRIEVE "retrieveSnapshotCommand";
retrieveSnapshotCommand = ( SNAPSHOT "QUOTED_STRING" [ GET
    "getPropertiesClause" ] );
getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
  
```

Keywords and Parameters

parseRetrieveCommand

Root production of OMBRETRIEVE SNAPSHOT.

retrieveSnapshotCommand

To view contents of snapshot.

QUOTED_STRING

Name of snapshot whose contents are to be retrieved.

getPropertiesClause

Gets the property of snapshot which are DESCRIPTION, TYPE.

Basic properties for SNAPSHOT:

Name: TYPE

Type: STRING(200)

Valid Values: FULL,SIGNATURE

Default: FULL

This is the type of snapshot

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the snapshot

PROPERTIES

Valid set of properties are DESCRIPTION and TYPE.

propertyNameList

Property names for SNAPSHOT that can be retrieved.

Examples

OMBRETRIEVE SNAPSHOT 'S1'

This command gets all the contents of snapshot.

OMBRETRIEVE SNAPSHOT 'S1' GET
PROPERTIES(DESCRIPTION,TIMESTAMP,TYPE)

This command gets the properties DESCRIPTION,TIMESTAMP, and TYPE of snapshot S1.

See Also

OMBCREATE SNAPSHOT, OMBALTER SNAPSHOT, OMBDROP SNAPSHOT,
OMBRESTORE SNAPSHOT, OMBCOMPARE SNAPSHOT, OMBLIST SNAPSHOT

OMBRETRIEVE TABLE

Purpose

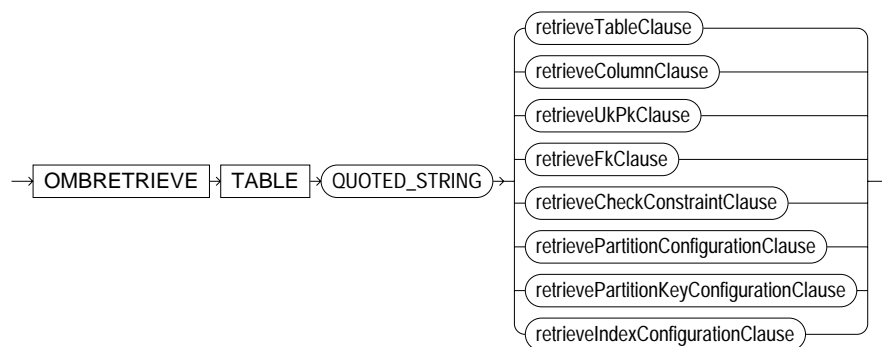
OMBRETRIEVE TABLE - To retrieve properties of a table.

Prerequisites

In the context of an Oracle Module

Syntax Diagrams

retrieveTableCommand



retrieveTableClause



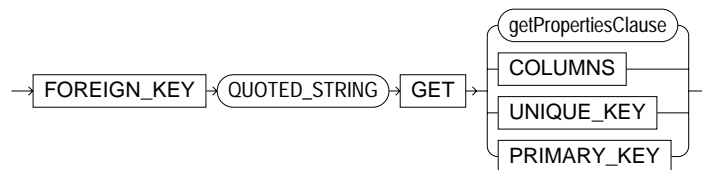
retrieveColumnClause



retrieveUkPkClause



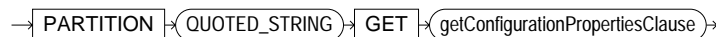
retrieveFkClause



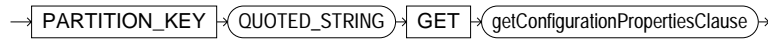
retrieveCheckConstraintClause



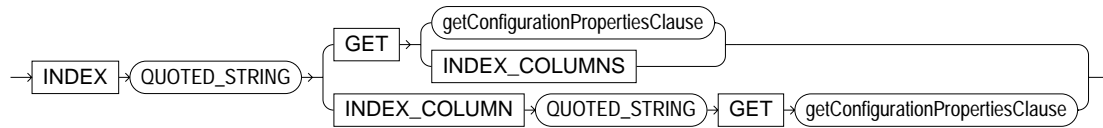
retrievePartitionConfigurationClause



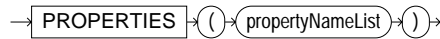
retrievePartitionKeyConfigurationClause



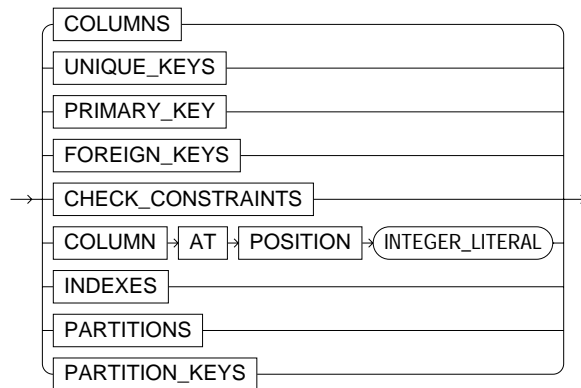
retrieveIndexConfigurationClause



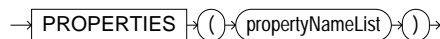
getPropertiesClause



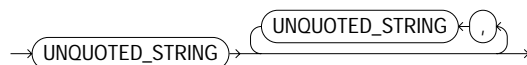
getTableSCOClaue



getConfigurationPropertiesClause



propertyNameList



Syntax

```

retrieveTableCommand = OMBRETRIEVE TABLE "QUOTED_STRING" (
  "retrieveTableClause" | "retrieveColumnClause" | "retrieveUkPkClause" |
  "retrieveFkClause" | "retrieveCheckConstraintClause" |
  "retrievePartitionConfigurationClause" | "retrievePartitionKeyConfigurationClause"
  | "retrieveIndexConfigurationClause" );
  
```

```

retrieveTableClause = GET ( "getPropertiesClause" | "getTableSCOClaue" );
  
```

```

retrieveColumnClause = COLUMN "QUOTED_STRING" GET
  "getPropertiesClause";
  
```

```

retrieveUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" GET
  ( "getPropertiesClause" | COLUMNS );
  
```

```

retrieveFkClause = FOREIGN_KEY "QUOTED_STRING" GET (
  "getPropertiesClause" | COLUMNS | UNIQUE_KEY | PRIMARY_KEY );
  
```

```

retrieveCheckConstraintClause = CHECK_CONSTRAINT "QUOTED_STRING" GET
  "getPropertiesClause";
  
```

```

retrievePartitionConfigurationClause = PARTITION "QUOTED_STRING" GET
"getConfigurationPropertiesClause";

retrievePartitionKeyConfigurationClause = PARTITION_KEY "QUOTED_STRING"
GET "getConfigurationPropertiesClause";

retrieveIndexConfigurationClause = INDEX "QUOTED_STRING" ( GET (
"getConfigurationPropertiesClause" | INDEX_COLUMNS ) | ( INDEX_COLUMN
"QUOTED_STRING" GET "getConfigurationPropertiesClause" ) );

getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";

getTableSCOClauses = COLUMNS | UNIQUE_KEYS | PRIMARY_KEY | FOREIGN_
KEYS | CHECK_CONSTRAINTS | COLUMN AT POSITION "INTEGER_LITERAL"
| INDEXES | PARTITIONS | PARTITION_KEYS;

getConfigurationPropertiesClause = PROPERTIES "( " "propertyNameList" " )";

propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };

```

Keywords and Parameters

retrieveTableCommand

This clause retrieves a table.

QUOTED_STRING

Name of the table.

retrieveTableClause

This clause retrieves a table.

retrieveColumnClause

This clause will retrieve columns

QUOTED_STRING

Name of the column

retrieveUkPkClause

This will get the unique key or primary key clause.

retrieveFkClause

Name of the foreign key

retrieveCheckConstraintClause

This clause gets the check constraint

QUOTED_STRING

name of the check constraint.

retrievePartitionConfigurationClause

Gets the partition.

QUOTED_STRING

The partition name.

retrievePartitionKeyConfigurationClause

This clause gets the partition key.

QUOTED_STRING

The name of the partition key.

retrieveIndexConfigurationClause

Gets the index in this clause.

QUOTED_STRING

Name of the index.

getPropertiesClause

This clause retrieves all the properties.

Basic properties for TABLE:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for COLUMN:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the table

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the table

Name: DATATYPE

Type: STRING

Valid Values: NUMBER, VARCHAR, VARCHAR2, DATE, FLOAT

Default: NUMBER

The datatype of a column

Name: LENGTH

Type: NUMBER

Valid Values: Default: 1 The length of a number

Name: PRECISION

Type: NUMBER

Valid Values: 0 - 39

Default: 1

The precision of a number.

Name: SCALE

Type: NUMBER

Valid Values: -85 - 125

Default: 1

The scale of a number.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn.

Properties for TABLE:

Name: ANALYZE_TABLE_ESTIMATE_PERCENT

Type: NUMBER

Valid Values: 0 - 100

Default: 99

Value represents the sample size as a percentage of total rows. When set to a nonzero value, Builder generates a DDL script to analyze the table.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: HASH_PARTITION_TABLESPACE_LIST

Type: STRING

Valid Values: N/A

Default: "

A comma separated list of tablespaces to use for [sub]partition storage.

Name: HASH_SUBPARTITION_NUMBER

Type: NUMBER

Valid Values: 2 - 63999

Default: 2

To create Hash partition, specify the number of Hash subpartition.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for INDEX:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: INDEX_TYPE

Type: STRING

Valid Values: BITMAP, UNIQUE, NO_INDEX

Default: UNIQUE

The types of Indexes created on Dimension are BITMAP, UNIQUE or a non-specific index.

Name: LOCAL_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

A local index is constructed so that it reflects the structure of the underlying table. It is equipartitioned with the underlying table, meaning that it is partitioned on the same columns as the underlying table, creates the same number of partitions or subpartitions, and gives them the same partition bounds as corresponding partitions of the underlying table.

Name: LOGGING_MODE

Type: STRING

Valid Values: NOLOGGING, LOGGING

Default: LOGGING

Recovery requirements for a data warehouse : Logging or not logging to Redo Log File.

Name: PARALLEL_ACCESS_MODE

Type: STRING

Valid Values: NOPARALLEL, PARALLEL

Default: PARALLEL

Enables or disables parallel processing when the table is created. Also enables or disables parallel processing or access.

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Use the Tablespace parameter to specify the name of tablespace.

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for PARTITION:

Name: DATE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Value that represents upper bound of partition stored in warehouse key column for the Days Dimension.

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: EMPTY_STRING

Use the Tablespace parameter to specify the name of tablespace.

Name: VALUES_LESS_THAN

Type: STRING

Valid Values: N/A

Default: TO_DATE('01-JAN-1999', 'DD-MON-YYYY')

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Name: VALUE_LESS_THAN

Type: STRING

Valid Values: N/A

Default: "

Noninclusive upper bound for the current partition. Type a comma separated list in the same order as the columns in range partitioned key.

Properties for PARTITION_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: TYPE

Type: STRING

Valid Values: HASH, RANGE

Default: RANGE

Oracle partitions the storage space and stores rows according to a Hash Algorithm or specified ranges.

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

getTableSCOClause

This clause retrieves components like columns, indexes etc. of a table.

getConfigPropertiesClause

This clauses gets the configuration properties of the object.

propertyNameList

The list of properties.

Examples

OMBRETRIEVE TABLE 'NEW_TABLE' GET PROPERTIES (DESCRIPTION, BUSINESS_NAME) GET COLUMNS This will retrieve its description and business name, and get columns.

See Also

OMBRETRIEVE

OMBRETRIEVE VIEW

Purpose

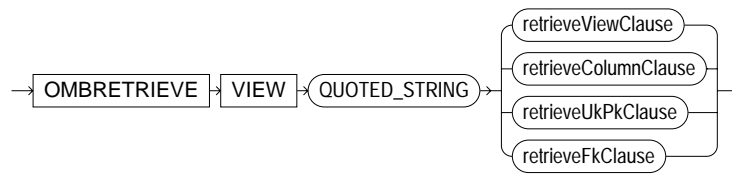
OMBRETRIEVE VIEW - To retrieve properties of a view.

Prerequisites

In the context of an Oracle Module

Syntax Diagrams

retrieveViewCommand



retrieveViewClause



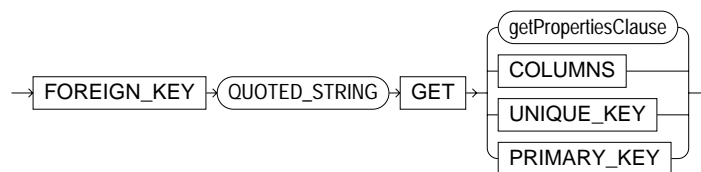
retrieveColumnClause



retrieveUkPkClause



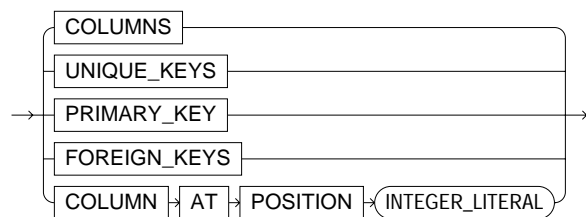
retrieveFkClause



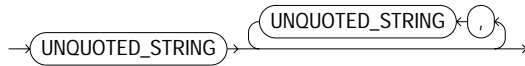
getPropertiesClause



getViewSCOClause



propertyNameList



Syntax

```
retrieveViewCommand = OMBRETRIEVE VIEW "QUOTED_STRING" (  
  "retrieveViewClause" | "retrieveColumnClause" | "retrieveUkPkClause" |  
  "retrieveFkClause" );  
  
retrieveViewClause = GET ( "getPropertiesClause" | "getViewSCOClaue" );  
  
retrieveColumnClause = COLUMN "QUOTED_STRING" GET  
  "getPropertiesClause";  
  
retrieveUkPkClause = ( UNIQUE_KEY | PRIMARY_KEY ) "QUOTED_STRING" GET  
  ( "getPropertiesClause" | COLUMNS );  
  
retrieveFkClause = FOREIGN_KEY "QUOTED_STRING" GET (  
  "getPropertiesClause" | COLUMNS | UNIQUE_KEY | PRIMARY_KEY );  
  
getPropertiesClause = PROPERTIES "( " "propertyNameList" " )";  
  
getViewSCOClaue = COLUMNS | UNIQUE_KEYS | PRIMARY_KEY | FOREIGN_  
  KEYS | COLUMN AT POSITION "INTEGER_LITERAL";  
  
propertyNameList = "UNQUOTED_STRING" { " , " "UNQUOTED_STRING" };
```

Keywords and Parameters

retrieveViewCommand

This clause retrieves a view.

QUOTED_STRING

name of the view.

retrieveViewClause

This clause will retrieve a view.

retrieveColumnClause

This clause will retrieve columns

QUOTED_STRING

Name of the column

retrieveUkPkClause

This will get the unique key or primary key clause.

retrieveFkClause

Name of the foreign key

getPropertiesClause

This clause retrieves all the properties.

Basic properties for VIEW, MATERIALIZED_VIEW:

Name: BUSINESS_NAME

Type: STRING(200)

Valid Values: N/A

Default: "

Business name of the View, MaterializedView

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the View, MaterializedView

Name: VIEW_QUERY

Type: STRING(4000)

Valid Values: N/A

Default: "

Sets the query definition in View and MaterializedView.

Name: UOID

Type: STRING

Valid Values: N/A

Default: N/A

Basic properties for INDEX, PARTITION, PARTITION_KEY, INDEX_COLUMN:

Name: DESCRIPTION

Type: STRING(4000)

Valid Values: N/A

Default: "

Description of the Index, Partition, PartitionKey, IndexColumn in a MaterializedView.

Properties for VIEW:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Properties for UNIQUE_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for FOREIGN_KEY:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Properties for CHECK_CONSTRAINT:

Name: DEPLOYABLE

Type: BOOLEAN

Valid Values: true, false

Default: true

Warehouse Builder generates a set of scripts to create an object only for those object marked as Deployable = true

Name: INDEX_TABLESPACE

Type: STRING(30)

Valid Values: N/A

Default: "

Tablespace to store Index on Table Constraint

Name: USING_INDEX

Type: BOOLEAN

Valid Values: true, false

Default: false

Use of Index on Dimension Constraint

Note:

1. N/A means any valid character in supported character set.
2. " " represents an empty string

getViewSCOClause

This clause will retrieves components like columns, keys, etc. of a view.

propertyNameList

The list of properties.

Examples

OMBRETRIEVE VIEW 'NEW_VIEW' GET PROPERTIES (DESCRIPTION, BUSINESS_NAME) This will retrieve its description and business name.

See Also

OMBRETRIEVE

Running OMB Plus in Oracle9i JDeveloper

This appendix outlines the steps to install and run OMB Plus in Oracle Database JDeveloper. For more information, see the Oracle Database JDeveloper documentation.

This appendix includes the following topics:

- [Installing OMB Plus in Oracle9i JDeveloper](#) on page A-1
- [Opening the Syntax Highlighting Editor in JDeveloper](#) on page A-2
- [Invoking Keyword Auto Completion](#) on page A-2
- [Invoking the OMBPlus Interpreter](#) on page A-2
- [Viewing the OMBPlus Console](#) on page A-2
- [Viewing Help Documentation](#) on page A-2

Installing OMB Plus in Oracle9i JDeveloper

Use the following steps to install OMB Plus in Oracle9i JDeveloper. You must install Oracle9i JDeveloper 9.0.2 and Warehouse Builder client on the same machine.

To install OMB Plus in JDeveloper:

1. Drop `shiphome/owb/lib/int/OMBPlus_jdev.jar` in the JDeveloper installation directory/`lib/ext` directory.
2. Start JDeveloper.
3. From the Tools menu, select **Preferences**, **OMBPlus**, and then **OMBPlus Installation** to set the Warehouse Builder installation directory. For example, `c:\oracle\ora81`. Do not include the Warehouse Builder directory at the end of this path.

4. Restart JDeveloper.

Repeat steps 3 and 4 each time you change the Warehouse Builder installation directory.

Opening the Syntax Highlighting Editor in JDeveloper

To open the syntax highlighting editor:

1. From the File menu, select **New** and then **OMBPlus**, if you want to create a new OMBPlus script. To open an existing OMBPlus script, select **File**, and then **Open**.
2. From the Tools menu, select **Preferences**, then **Editor**, and then **Syntax Colors**.
3. Select the OMBPlus Category to configure the syntax highlight styles.

Invoking Keyword Auto Completion

Use any of the following methods to invoke keyword auto completion:

- Wait for a predefined number of seconds after typing the first few characters of the keyword.

You can configure the predefined number of seconds for invoking the auto completion by changing the Auto-Popup Delay for Completion Insight scale. From the Tools menu, select **Preferences**, then **Editor**, and then **Code Insight**.

- Press **Ctrl** and **Space** after typing the first few characters of the keyword.
- Type any number of the first few characters of the keyword.

Invoking the OMBPlus Interpreter

To invoke the OMBPlus Interpreter:

1. From the View menu, select **Log Window** to view the OMBPlus Log.
2. From the Run menu, select **Run OMBPlus** to run the current OMBPlus script.

You can also invoke Run OMBPlus by right-clicking a specific script node on the system navigator and selecting **Run OMBPlus**.

You can terminate the OMBPlus program by selecting **Run**, then **Terminate**, and then **OMBPlus**.

3. If you want to provide input to the OMBPlus script, select **Project**, then **Project Settings**, then **Runner**, and then **Options** to set Allow Program Input.

Viewing the OMBPlus Console

To open the OMBPlus Console:

1. Select OMBPlus Console to open the OMBPlus Console window.
2. From the Tools menu, select **Preferences**, then **OMBPlus**, and then **OMBPlus Console** to configure the display in the console window.

Viewing Help Documentation

Use any of the following methods to invoke the help documentation:

- Invoke the help document for a specific keyword by placing the cursor anywhere in the keyword and then pressing F2.
- Invoke the help document for a specific keyword by selecting the specific keyword and then pressing F2.
- Locate the general help document for OMBPlus scripting language by selecting **OMBPlus**, and then **OMBPlus Help Topics**.

Default Groups and Parameters

When you use OMB Plus to add an operator to a mapping, Warehouse Builder adds the operator and assigns default groups and parameters. This appendix lists the default groups and parameters for each operator.

This appendix includes the following topic:

- [Default Group Names and Attribute Names](#) on page B-1

Default Group Names and Attribute Names

Table B-1 lists the default groups and attributes that are created when an operator is added.

Table B-1 *Default Group and Attribute Names*

Operator Type	Default Operator Name	Default Group Name	Default Attribute Name
TABLE	Same as bound object name	INOUTGRP1	Same as column names
VIEW			
EXTERNAL TABLE			
MATERIALIZED VIEW			
CUBE			
DIMENSION	Object name	Same as file record name	Same as field names in each record
FLAT FILE			
SEQUENCE	Same as sequence name	OUTGRP1	NEXTVAL CURRVAL

Table B-1 *Default Group and Attribute Names*

Operator Type	Default Operator Name	Default Group Name	Default Attribute Name
DATAGENERATOR	DATAGENERATOR	OUTGRP1	RECNUM SYS_DATE SEQUENCE
CONSTANT	CONST	OUTGRP1	No defaults
KEY LOOKUP	Object name	INGRP1 OUTGRP1	In LOOKUP_OUT object column names
SET	SET	INGRP1 INGRP2 OUTGRP1	None
JOINER	JOIN	INGRP1 INGRP2 OUTGRP1	None
SPLITTER	SPLIT	INGRP1 OUTGRP1 OUTGRP2 REMAINING_ROWS	None
DEDUPPLICATOR	DEDUP	INOUTGRP1	None
AGGREAGTOR	AGG	INGRP1 OUTGRP1	None
FILTER	FLTR	INOUTGRP1	None
SORTER	SORT	INOUTGRP1	None

Table B–1 Default Group and Attribute Names

Operator Type	Default Operator Name	Default Group Name	Default Attribute Name
NAME AND ADDRESS	NAMEADDR	INGRP1 OUTGRP1	Within Group INGRP1: Line 1, Line 2, Line 3 Within Group OUTGRP1: First Name, Last Name, Primary Address, Secondary Address, City, State, Postal Code, Is Good Group
PROCEDURES	Procedure name	If input parameter exists, an input group will be created with the name INGRP1. If output parameter exists, an output group will be created with the name OUTGRP1. If inout parameter exists, an input-output group will be created with the name INGRP1.	Same as parameter names
FUNCTIONS	Same as function name	INGRP1, RETURN	An attribute
TRIGGER	PREMAP POSTMAP	Nameing see PROCEDURES and FUNCTIONS	None
INPUT_PARAMETER	MAP_INPUTS	MAP_INPUTS	None
OUTPUT_PARAMETER	MAP_OUTPUTS	MAP_OUTPUTS	None
EXTERNAL_PROCESS	EXTERNALPROCES S	None	None
EXPRESSION	EXPR	INGRP1 OUTGRP1	None

