

Oracle® Application Express

Patch Set Notes

Release 4.2.6.00.03

September 2014

These patch set notes accompany the Oracle Application Express 4.2.6.00.03 patch set. The Oracle Application Express 4.2.6.00.03 patch set is a cumulative patch.

- [Patch Set Overview](#)
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Patch Set Overview

Patch sets are a mechanism for delivering fully tested and integrated product fixes. Patch sets provide bug fixes only; they typically do not include new functionality and they do not require certification on the target system. Patch sets include all of the libraries that have been rebuilt to implement the bug fixes in the set. All of the fixes in the patch set have been tested and are certified to work with each other. Patch sets contain the same set of generic fixes across all platforms. Patch sets may also include additional patches specific to the platform on which they are released.

The Oracle Application Express 4.2.6.00.03 patch set can be applied to Oracle Application Express release 4.2 or later. Apply the patch to the Oracle database where the Oracle Application Express schemas are installed. This patch will determine if additional languages are installed, and will apply the patch for those languages as well. Oracle Application Express release 4.2 is supported on Oracle Database 10g (10.2.0.4) and later.

When determining whether to install this patch set, or install the entire Oracle Application Express 4.2.6 release from Oracle Technology Network (OTN), consider the following rules:

1. If you have Oracle Application Express release 4.2 or later installed, download the Oracle Application Express 4.2.6 patch set and apply it.

2. If you have Oracle Application Express release 4.1.1 or earlier installed (including Oracle HTML DB release 1.5), download and install the entire Oracle Application Express 4.2.6 release from the Oracle Technology Network (OTN).
3. If you do not have Oracle Application Express installed, download and install the entire Oracle Application Express 4.2.6 release from the Oracle Technology Network (OTN).

Pre-Installation Tasks

Complete the following pre-installation tasks before installing the patch set.

- [Identifying the Oracle Application Express Installation](#)
- [Downloading and Extracting the Installation Software](#)
- [Optionally Backing Up the Oracle Database](#)
- [Preventing Access to Oracle Application Express](#)

Identifying the Oracle Application Express Installation

This is not a complete software distribution. You must connect to an existing Oracle Database where the Oracle Application Express schemas are installed and run the `apxpatch.sql` or `apxpatch_con.sql` (for CDBs) installation script.

Downloading and Extracting the Installation Software

Download the patch set to a computer with access to the Oracle Database. You will also need access to the Oracle home.

To download and extract the patch set installation software:

1. Download the `p19595896_426_Generic.zip` patch set installation archive to a directory that is not the Oracle home directory or under the Oracle home directory.
2. Unzip and extract the installation files as follows:
 - Microsoft Windows - Double-click the `p19595896_426_Generic.zip` file
 - UNIX or Linux - Enter the following command:

```
$ unzip p19595896_426_Generic.zip
```

Optionally Backing Up the Oracle Database

The Application Express engine is a collection of tables and packages that reside wholly within the Oracle Database user accounts `APEX_040200` and `FLows_FILES`. This patch set updates the underlying tables and packages within the `APEX_040200` account. If your installation fails, you will not be able to rollback the patch set installation process. Therefore, Oracle recommends that you perform a complete backup of your Oracle instance before you install the patch set. Note that after the patch set is installed there is no way to remove it.

If you choose to perform a backup, restart the Oracle Database in restricted session mode to prevent any user access (that is, developer and end user) while applying the patch set.

See Also: *Oracle Database Backup and Recovery User's Guide* at:

http://docs.oracle.com/cd/E16655_01/backup.121/e17630/toc.htm

Preventing Access to Oracle Application Express

It is important that no developers or end users access Oracle Application Express while you are applying the patch set. This section describes how to prevent access to Oracle Application Express if your configuration includes Oracle REST Data Services (formerly Oracle Application Express Listener), embedded PL/SQL gateway, or Oracle HTTP Server and `mod_plsql`.

- [Stopping Oracle REST Data Services](#)
- [About Disabling the Embedded PL/SQL Gateway](#)
- [Stopping Oracle HTTP Server](#)

Stopping Oracle REST Data Services

To learn more about stopping the Oracle REST Data Services server (formerly Oracle Application Express Listener), see *Oracle REST Data Services Installation and Configuration Guide*:

http://docs.oracle.com/cd/E37099_01/doc/doc.20/e25066/toc.htm

About Disabling the Embedded PL/SQL Gateway

If your configuration includes the embedded PL/SQL gateway, you need to disable HTTP on the Oracle XML DB Protocol Server. The embedded PL/SQL gateway runs on the Oracle XML DB Protocol Server in the Oracle database. To disable it, you change the port number to 0. Before doing so, first verify the port number.

- [Verifying the Port Assigned to Oracle XML DB Protocol Server](#)
- [Disabling HTTP on the Oracle XML DB Protocol Server](#)

Verifying the Port Assigned to Oracle XML DB Protocol Server To verify the port number assigned to HTTP on the Oracle XML DB Protocol Server:

1. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS. For example:

- On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

2. Enter the following statement to verify the port number:

```
SELECT DBMS_XDB.GETHTTPPORT FROM DUAL;
```

If the port number returns 0, the Oracle XML DB Protocol Server is disabled.

Disabling HTTP on the Oracle XML DB Protocol Server To disable HTTP on the Oracle XML DB Protocol Server:

1. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS. For example:

- Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

2. Run the following statements:

```
EXEC DBMS_XDB.SETHTTPPORT(0);
COMMIT;
```

Stopping Oracle HTTP Server

If your configuration includes Oracle HTTP Server and `mod_plsql`, you need to stop Oracle HTTP Server.

- [Stopping Oracle HTTP Server 12c](#)
- [Stopping Oracle HTTP Server Included with Oracle Database 10g Release 1](#)

Tip: Note that if the Oracle HTTP Server is listening on a port less than 1024, then these commands must be executed as a privileged user (such as `root`).

Stopping Oracle HTTP Server 12c To stop Oracle HTTP Server 12c, enter commands using the following syntax, where `DOMAIN_HOME` is the path to the Oracle HTTP Server domain:

- Linux:

```
$DOMAIN_HOME/bin/stopComponent.sh componentName
```

- Windows:

```
%DOMAIN_HOME%\bin\stopComponent.cmd componentName
```

In a default installation, `componentName` is `ohs1` but may have been changed when running the Oracle HTTP Server Configuration Wizard.

Stopping Oracle HTTP Server Included with Oracle Database 10g Release 1 To stop Oracle HTTP Server included with Oracle Database 10g release 1 (10.1), enter commands using the following syntax:

```
ORACLE_BASE\ORACLE_HTTPSERVER_HOME\opmn\bin\opmnctl stopproc ias-component=HTTP_Server
```

In the previous example, `ORACLE_BASE` is the path to the Oracle base directory.

Installing the Patch Set

Complete the following tasks to install the patch set.

- [About Installing in Oracle Database 12c](#)
- [Installing in a CDB](#)
- [Installing in a Standalone Database or Locally in a PDB](#)

About Installing in Oracle Database 12c

Oracle Database 12c Release 1 (12.1) introduces the multitenant architecture. This database architecture has a multitenant container database (CDB) that includes a root container, CDB\$ROOT, a seed database, PDB\$SEED, and multiple pluggable databases (PDBs). Each pluggable database is equivalent to a separate database instance in Oracle Database 11g. The root container, CDB\$ROOT, holds common objects that are accessible to every PDB utilizing metadata links or object links. The seed database, PDB\$SEED, is used when creating a new PDB to seed the new database. The key benefit of the Oracle Database 12c multitenant architecture is that the database resources, such as CPU and memory, can be shared across all of the PDBs. This architecture also enables many databases to be treated as one for tasks such as upgrades or patches, and backups.

Installing in a CDB

Follow these instructions if Oracle Application Express is installed into CDB\$ROOT in a multitenant container database (CDB).

To install the patch set in CDB\$ROOT:

1. Set your current directory to the top-level "patch" directory where you unzipped the `p19595896_426_Generic.zip` file.
2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role. For example:
 - On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
 - On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
3. Run `apxpatch_con.sql`. For example:

```
@apxpatch_con.sql
```
4. Review the log files `sypatch_con*.log`, `ddlpatch_con*.log`, `deppatch_con*.log`, and `corepatch_con*.log` for any errors.
5. Follow the instructions in the next section, ["Post-Installation Tasks"](#) on page -6.

Installing in a Standalone Database or Locally in a PDB

Follow these instructions if Oracle Application Express is installed in a standalone database (or non-CDB), including Oracle Database 10g or Oracle Database 11g, or is installed locally in a PDB.

To install the patch set in a standalone database or locally in a PDB:

1. Set your current directory to the top-level "patch" directory where you unzipped the `p19595896_426_Generic.zip` file.
2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role. For example:

- On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

3. Run `apxpatch.sql`. For example:

```
@apxpatch.sql
```

4. Review the log file `apxpatch.log` for any errors.
5. Follow the instructions in the next section, "[Post-Installation Tasks](#)" on page -6.

Post-Installation Tasks

Complete the following post-installation tasks before using the upgraded software.

- [Updating the Images Directory](#)
- [Starting Oracle Application Express](#)
- [Adding New Translation Languages After Patching Oracle Application Express](#)

Updating the Images Directory

During an upgrade, you must incorporate the new `images` directory. Copy the `patch/images` directory into the `images` directory used for Application Express.

- [Updating the Images Directory When Using Oracle REST Data Services](#)
- [Updating the Images Directory When Running the Embedded PL/SQL Gateway](#)
- [Updating the Images Directory When Running Oracle HTTP Server](#)

Updating the Images Directory When Using Oracle REST Data Services

If you are using the Oracle REST Data Services (formerly Oracle Application Express Listener), you need to create a Web Archive for Oracle Application Express images. For more information, see the Oracle WebLogic Server and Glassfish Server discussions, "Creating the Web Archive for Oracle Application Express Images" and the Apache Tomcat discussion, "Configuring Oracle Application Express Images" in *Oracle REST Data Services Installation and Configuration Guide*:

http://docs.oracle.com/cd/E37099_01/doc/doc.20/e25066/toc.htm

If you are running Oracle REST Data Services in standalone server mode, locate the path on the file system, that contains the existing Oracle Application Express images, and replace it with the images directory from `p19595896_426_Generic.zip`.

Updating the Images Directory When Running the Embedded PL/SQL Gateway

The images in an Oracle XML DB HTTP Server with the embedded PL/SQL gateway installation are in the XML DB repository. Updating the images is accomplished by running a SQL script located in the top level directory where the patch was unzipped.

- [Updating the Images Directory in a CDB](#)
- [Updating the Images Directory in a Standalone Database or Locally in a PDB](#)

Updating the Images Directory in a CDB Follow these instructions if Oracle Application Express is installed into CDB\$ROOT within a multitenant container database (CDB).

To update the images directory in a CDB:

1. Set your current directory to the top-level "patch" directory where you unzipped the `p19595896_426_Generic.zip` file.
2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role. For example:

- On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

3. Run `apxldimg_con.sql` passing the file system path to the "patch" directory where the `p19595896_426_Generic.zip` file was unzipped as shown in the following example:

- On Windows:

```
@apxldimg_con.sql SYSTEM_DRIVE:\TEMP\patch
```

- On UNIX and Linux:

```
@apxldimg_con.sql /tmp/patch
```

Updating the Images Directory in a Standalone Database or Locally in a PDB Follow these instructions if Oracle Application Express is installed in a standalone database (or non-CDB), including Oracle Database 10g or Oracle Database 11g, or is installed locally in a PDB.

To update the images directory in a standalone database or PDB:

1. Set your current directory to the top-level "patch" directory where you unzipped the `p19595896_426_Generic.zip` file.

2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role. For example:
 - On Windows:


```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
 - On UNIX and Linux:


```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
3. Run `apxldimg.sql` passing the file system path to the "patch" directory where the `p19595896_426_Generic.zip` file was unzipped as shown in the following example:
 - On Windows:


```
@apxldimg.sql SYSTEM_DRIVE:\TEMP\patch
```
 - On UNIX and Linux:


```
@apxldimg.sql /tmp/patch
```

Updating the Images Directory When Running Oracle HTTP Server

To update the images directory:

1. To locate the images directory on the file system by reviewing the following files for the text alias `/i/`:
 - Oracle HTTP Server 11g Release 1 or Oracle HTTP Server 12c - See the `marvel.conf` or `dads.conf` files.
 - Oracle Application Server 10g - See the `marvel.conf` or `dads.conf` files.
2. When you locate the images directory path, copy it to the existing `ORACLE_HTTPSERVER_HOME` home.
3. Depending upon your environment, run the following commands:
 - Windows systems - Run a command from a command prompt similar to the following example:


```
xcopy /E /I patch\images ORACLE_HTTPSERVER_HOME\Apache\Apache\images
```
 - UNIX or Linux based systems - Run a command similar to the following example:


```
cp -rf patch/images ORACLE_HTTPSERVER_HOME/Apache/Apache
```

In the previous syntax examples, `ORACLE_HTTPSERVER_HOME` is the existing Oracle Application Server or Oracle HTTP Server Oracle home. The location of the Oracle Application Express images directory may be different in your configuration.

Starting Oracle Application Express

This section describes how to start Oracle Application Express if your configuration includes Oracle REST Data Services (formerly Oracle Application Express Listener), embedded PL/SQL gateway, or Oracle HTTP Server and `mod_plsql`.

- [Starting Oracle REST Data Services](#)
- [Enabling the Embedded PL/SQL Gateway](#)
- [Starting Oracle HTTP Server](#)

See Also: ["Adding New Translation Languages After Patching Oracle Application Express"](#) on page 10

Starting Oracle REST Data Services

To learn more about starting the Oracle REST Data Services server (formerly Oracle Application Express Listener), see *Oracle REST Data Services Installation and Configuration Guide*:

http://docs.oracle.com/cd/E37099_01/doc/doc.20/e25066/toc.htm

Enabling the Embedded PL/SQL Gateway

Once disabled, you enable the embedded PL/SQL gateway by assigning a port number to the Oracle XML DB Protocol Server. Oracle recommends assigning the same port number as was previously assigned to the embedded PL/SQL gateway to ensure that bookmarks created by developers and end users are still valid.

To assign a port number to Oracle XML DB Protocol Server:

1. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS. For example:

- Windows:

```
SYSTEM_DRIVE:\> sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

2. Run the following statements:

```
EXEC DBMS_XDB.SETHTTPPORT(port);
COMMIT;
```

For example:

```
EXEC DBMS_XDB.SETHTTPPORT(8080);
COMMIT;
```

Note: Port numbers less than 1024 are reserved for use by privileged processes on many operating systems. To enable the Oracle XML DB Protocol Server on a port less than 1024, such as 80, review the following documentation:

- "Accessing the Repository using Protocols" in *Oracle XML DB Developer's Guide*:

`http://docs.oracle.com/cd/E16655_01/appdev.121/e17603/xdb22pro.htm`
 - "Protocol Address Configuration" and "Port Number Limitations" in *Oracle Database Net Services Reference*:

`http://docs.oracle.com/cd/E16655_01/network.121/e17611/protocoladd.htm`
-

Starting Oracle HTTP Server

This section describes how to start Oracle HTTP Server.

- [Starting Oracle HTTP Server 12c](#)
- [Starting Oracle HTTP Server with Oracle Database 10g Release 1](#)

Tip: If the Oracle HTTP Server is listening on a port less than 1024, then these commands must be executed as a privileged user (such as `root`).

Starting Oracle HTTP Server 12c To start Oracle HTTP Server 12c, enter commands using the following syntax, where `DOMAIN_HOME` is the path to the Oracle HTTP Server domain:

- Linux:

`$DOMAIN_HOME/bin/startComponent.sh componentName`
- Windows:

`%DOMAIN_HOME%\bin\startComponent.cmd componentName`

In a default installation, `componentName` is `ohs1` but may have been changed when running the Oracle HTTP Server Configuration Wizard.

Starting Oracle HTTP Server with Oracle Database 10g Release 1 To start Oracle HTTP Server shipped with Oracle Database 10g Release 1 (10.1), enter commands using the following syntax:

```
ORACLE_BASE\ORACLE_HTTPSERVER_HOME\opmn\bin\opmnctl startproc ias-component=HTTP_Server
```

In the previous example, `ORACLE_BASE` is the path to the Oracle base directory.

Adding New Translation Languages After Patching Oracle Application Express

For multi-lingual applications, the translated versions of Oracle Application Express implemented before patching are automatically patched when the core language is patched. However, if you wish to install a new translated version after patching,

Oracle recommends downloading "Oracle Application Express 4.2.6 - All languages" from Oracle Technology Network. If you use the `load_lang.sql` script from an Application Express software distribution prior to Oracle Application Express release 4.2.6, you will need to rerun this patch to upgrade the new language to the current version.

New Scripts for Oracle Database 12c Multitenant Installations

The Oracle Application Express 4.2.6.00.03 patch set provides two new scripts for use with Oracle Database 12c multitenant installations: `apex_rest_config_con.sql` and `reset_image_prefix_con.sql`.

- [Configuring RESTful Services in a Multitenant Installation](#)
- [Changing the Image Prefix for All Oracle Application Express Instances](#)

Configuring RESTful Services in a Multitenant Installation

Use `apex_rest_config_con.sql` in place of `apex_rest_config.sql` to configure RESTful services, in conjunction with the Oracle REST Data Services (formerly Oracle Application Express Listener) in Oracle Database 12c multitenant installations.

To run `apex_rest_config_con.sql`:

1. Change your working directory to the directory where you unzipped the patch set software.
2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role in CDB\$ROOT. For example:
 - On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
 - On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```
3. Run `apex_rest_config_con.sql`. For example:

```
@apex_rest_config_con.sql
```
4. When prompted, enter a password for the APEX_LISTENER and APEX_REST_PUBLIC_USER accounts.

When configuring RESTful Services in Oracle Application Express, it creates two new database accounts.

- APEX_LISTENER - The account used to query RESTful Services definitions stored in Oracle Application Express.
- APEX_REST_PUBLIC_USER - The account used when calling RESTful Services definitions stored in Oracle Application Express.

Changing the Image Prefix for All Oracle Application Express Instances

Use `reset_image_prefix_con.sql` in the rare event that you wish to change the image prefix from the default of `/i/` for all Oracle Application Express instances in a multitenant database.

To run `reset_image_prefix_con.sql`:

1. Change your working directory to the utilities directory where you unzipped the patch set software.
2. Start SQL*Plus and connect to the database where Oracle Application Express is installed as SYS specifying the SYSDBA role in CDB\$ROOT. For example:

- On Windows:

```
SYSTEM_DRIVE:\ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

- On UNIX and Linux:

```
$ sqlplus /nolog
SQL> CONNECT SYS as SYSDBA
Enter password: SYS_password
```

3. Run `reset_image_prefix_con.sql`. For example:

```
@reset_image_prefix_con.sql
```

4. When prompted, enter the new image prefix.

Known Issues

This section describes known issues in the Oracle Application Express 4.2.6.00.03 patch set.

- [Developer Toolbar Not Available for Mobile Applications](#)
- [Issues Displaying HTML 5 Charts in Internet Explorer 7 or 8](#)
- [Accessibility Issue on Application Builder Home Page](#)

Tip: This section is current as of the writing of this document. To view the most current listing of known issues, go to the Known Issues page available off the Downloads page. See:

<http://www.oracle.com/technetwork/developer-tools/apex/downloads/index.htm>

Developer Toolbar Not Available for Mobile Applications

The Developer toolbar is not included on jQuery Smartphone pages. After clicking Run Application from Application Builder, the only way to return to Application Builder is to use the browser's back button. You will need to go back once for each mobile page visited.

Workaround:

Right click the **Run Application** button and select **Open Link in New Tab** or **Open Link in New Window** or similar text. The exact command varies by browser.

Tip: For applications with both desktop and mobile user interfaces you can access the Session State for a mobile page by navigating to a desktop page and using the Developer toolbar and then changing the page number.

Issues Displaying HTML 5 Charts in Internet Explorer 7 or 8

If you experience problems displaying HTML 5 charts in Internet Explorer 7 or 8, where the region appears blank and no chart is visible, try using a newer version of Internet Explorer, or another browser such as Chrome or Firefox.

This issue is tracked with Oracle bug 17169346.

Accessibility Issue on Application Builder Home Page

Run links for Websheet applications on the Application Builder home page are missing link text. This missing text makes these links difficult to find with assistive technologies, such as screen readers.

This issue is tracked with Oracle bug 17061579.

Workaround:

To work around this issue:

1. On the Application Builder home page, click the Websheet name.
The Websheet Properties page appears.
2. Click the **Run** button.

Fixed Bugs

The Oracle Application Express 4.2.6.00.03 patch set is a cumulative patch. This patch set includes release 4.2.1.00.08, 4.2.2.00.11, 4.2.3.00.08, 4.2.4.00.08, 4.2.5.00.08, 4.2.6.00.03, and additional product fixes. The following sections list bugs fixed in the Oracle Application Express 4.2.1.00.08, 4.2.2.00.11, 4.2.3.00.08, 4.2.4.00.08, 4.2.5.00.08, and 4.2.6.00.03 patch sets.

- [Bugs Fixed in the 4.2.1.00.08 Patch Set](#)
- [Bugs Fixed in the 4.2.2.00.11 Patch Set](#)
- [Bugs Fixed in the 4.2.3.00.08 Patch Set](#)
- [Bugs Fixed in the 4.2.4.00.08 Patch Set](#)
- [Bugs Fixed in the 4.2.5.00.08 Patch Set](#)
- [Bugs Fixed in the 4.2.6.00.03 Patch Set](#)

Bugs Fixed in the 4.2.1.00.08 Patch Set

[Table 1](#) lists bugs fixed in the Oracle Application Express 4.2.1.00.08 patch set.

Table 1 *Bugs Fixed in the Oracle Application Express 4.2.1.00.08 Patch Set*

Bug Number	Description
13040672	Master detail tabular form fails with "Failed to parse SQL query" when nls_language="CYRILLIC SERBIAN"

Table 1 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.1.00.08 Patch Set

Bug Number	Description
13997296	Update tabular form row that contains float datatype fails with error
14238860	Query Builder generates incomplete SQL using function on any column name with spaces, ORA-00907
14328746	Substitution string is not being resolved when referenced in calendar icon details
14371654	RESTful Service menu region links are difficult to understand with screen reader
14532029	Label of parent entry of main list not displayed after upgrading to Oracle Application Express release 4.1.X
14532437	Chart Return To Page prevents editing series
14533519	\$X_UPTILL PTOCLASS parameter will not work if element has more than one class
14546360	Mobile List with icons fails in Sample Database Application
14554084	Creating tab name with long text throws error ORA-06502
14555653	XML parser failure with custom chart colors
14559982	Calendar views in theme 25 and theme 26 are not fully accessible
14565654	ORA-01467: Sort key too long on schema comparison
14580494	Hidden item as first item affects automatic grid layout span calculation
14587320	Websheet charts do not render properly in Internet Explorer 7 over SSL
14590482	Websheet email from address is not shown as the from address in email
14592185	Oracle Application Express Advisor does not properly handle list view region
14605541	Page level page and dialog transition values are not used in jQuery Mobile application
14621008	Create application based on design fails on non-standard table names ORA-00903
14621714	\$\$ called with NULL sets "NULL" string in Internet Explorer
14626995	Error occurs when edit a Websheet page which contains multibyte page alias
14628640	Error occurs when clicking Cancel in adding row in a multibyte named data grid
14636215	Dynamic Action Create Wizard - Affected element may incorrectly show as required
14636997	Notification message in mobile applications overlaps with other content
14643161	No information on upgrade available when upgrading packaged applications
14651423	Unable to upload file in a mobile application
14651733	RESTful services test buttons should only be enabled for 'get' resource handlers
14652728	No data found error when exporting PDF reports
14664375	Color Picker and Date Picker (HTML 5) not displayed for jQuery mobile Smartphones
14664649	Popup LOV for jQuery Mobile applications displaying #Last_Row instead of the number
14666892	Some interactive report messages cannot be customized to other languages

Table 1 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.1.00.08 Patch Set

Bug Number	Description
14672179	Oracle Application Express Advisor does not know to observe substitution APP_DATE_TIME_FORMAT
14672334	Checking Reset Pagination For Page clears the Clear Cache attribute
14672351	Theme 25 JavaScript file has console.log causing errors in Internet Explorer
14672613	Oracle Application Express interactive report subscriptions are lost after an import of an application
14674126	Data loading transformation rule fails if column 1 is substring of column 2
14680469	Theme 50 has incorrect Viewport meta tag allowing for zoom on mobile devices
14681001	Developers in a workspace can view scripts uploaded by other developers
14683491	ORA-06550 on Set Application Defaults page in Forms migrations
14684868	Theme 50 has incorrect Ui-Li-Aside CSS class definition
14685176	Create List View/Plugin Region Wizard does not store all entered attribute values
14685869	Calendar buttons created without template for mobile calendars
14705631	Cannot load > 32K spreadsheet data with copy and paste option
14724684	Copy Page Item Wizard, Source item restricts characters unnecessarily
14730656	Home is displayed as code in Websheet application in French language
14734825	Workspace requests for more space extend the tablespace too much
14735732	Set button is missing in workspace details page in Firefox in some languages
14736332	Cascading radio group and check box items broken in jQuery Mobile UI
14736763	Chart axis values displayed with white font in Chrome for mobile applications
14738067	Conceal Drag and Drop Calendar attributes for mobile
14738837	Select List item type containing Null return value entries fails when cascading
14743026	Calendar template in theme 50 is missing borders
14744294	Region caching visible for Global page regions if page number not 0
14750692	List View pages should be created with case-insensitive search by default
14756002	Data grid single row view select list double escapes special character
14757259	Classic date picker with date format MM/DD/YYYY HH:MI PM raises exception
14760382	#REGION_STATIC_ID# is not parsed in calendar template for data display format
14768250	Instance passwords for SMTP and wallet cause ORA-28817 after migration from release 4.1
14768361	REPORT_VIEW_MODE in APEX_APPLICATION_PAGE_IR_RPT view is NULL
14768991	Oracle Application Express Advisor does not properly handle interactive report filters NEQ, NLIKE, IN And NIN in links
14775149	Tabular Form Wizard: Parse Err: ORA-00972: identifier is too long
14777994	Workspaces exported pre release 4.2 cause error when importing into 4.2 - ORA-02291

Table 1 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.1.00.08 Patch Set

Bug Number	Description
14779722	REST errors reported in WWV_FLOW_UPGRADE_PROGRESS following upgrade to 4.2
14784118	Custom authentication can cause WWV_FLOW_DATA_SESSION_FK constraint violation
14785456	reset_image_prefix.sql references APEX_040100 Instead Of APEX_040200 schema
14786585	Copy Page Wizard loses references to templates
14786921	Theme 25 links in buttons list template do not work
14787445	Create Region Wizard does not default position properly
14792173	Fetch Row DML Process does not set items with ROWID as Source
14792686	Unable to copy HTML5 chart in a mobile application
14797914	Application title changes displays invalid characters when special characters are used
14798077	Interactive report search button label does not pick up translated text
14798940	LDAP Authentication: Error If USE_EXACT_DN Is NULL
14801895	Page Template Body attribute only allows to enter up to 4000 characters
14802217	Oracle Application Express Advisor: Global page buttons which are referenced in processes fail
14803538	Data loading fail if UK columns are using end user defined date/timestamp format
14808500	Mobile monthly calendar grid too tall for most mobile devices
14809408	Buttons in mobile calendars do not line up
14812921	Newline in process success message results in error with Oracle REST Data Services (formerly Oracle Application Express Listener)
14835071	Tab template using image-based tab attributes generates incorrect tab HTML
14837012	Default Option of select list is not selected in Internet Explorer 9
14840959	Interactive report with exact substitution in region title displays incorrect table summary
14844622	Popup LOV displays incorrectly in Firefox when page item gains focus
14850374	Creation of data loading in non-English results in ORA-20001, ORA-02291
14851244	ORA-01403/ORA-06510 adding row in tabular form if validations fails and check box is selected
15829665	Max Width attribute of text areas should not be emitted for applications prior to Oracle Application Express release 4.2
15831333	Error when calling APEX_UTIL.PUBLIC_CHECK_AUTHORIZATION outside of session
15831577	Page items on Global page other than 0 raises error
15836959	APEX_LDAP.IS_MEMBER does not work with anonymous bind
15837546	Repeat headings on break, group starts on new page-, heading duplicated or repeated
15838175	List view images are not displayed if list view uses Page Items To Submit

Table 1 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.1.00.08 Patch Set

Bug Number	Description
15842381	Forms project mobile application does not use list view item for navigation
15843962	Incorrect file reference when using map region of Israel
15850830	Countries missing from AnyChart world.amap file
15851176	Tabular form broken when Primary Language set to something other than English and validation error occurs
15854711	Create List View Wizard previous button redirects to Tab Options page
15856292	Theme 25: Span tag inside of label is hidden
15858237	Page submit does not work on Windows Phone 7.5 and 8
15863103	Maps and Gantt should not be available for upgrade to HTML5 in Release 4.2
15867540	Themes 24, 25, 26 - Modal dialogs appear incorrectly in Internet Explorer 8
15868794	Changing target does not change List Entry Current for pages
15871624	Logout URL with Public page still requires authentication
15872233	Focus On First Field attribute should not be available for jQuery Mobile applications
15873087	Dynamic actions with an affected button do not work in translated applications
15874222	APEX_APPLICATION_PAGE_IR_RPT view does not remove column in REPORT_COLUMNS
15877803	Team Development: Release In Dashboard is set 0 by default, leads to query error
15879278	Hard-coded Image Prefix on Select A Theme page in Create Application Wizard
15884725	Default theme not set during creation of application based on Forms migration
15885013	Mobile Calendar Wizard overrides Footer condition on Global mobile page
15887956	Missing tabs in Sample Database Application
15889878	Cannot delete application if application name contains a double quotation character
15897570	Theme 25 interactive report bar is not responsive for mobile devices
15912541	RESTful services Reset Sample Data should recreate associated tables
15912601	Label templates In jQuery Mobile theme 50 missing #CURRENT_ITEM_CONTAINER_ID#
15912836	Allow rendering of Gauge charts as HTML5
15917967	Error pages in mobile UI render poorly
15922307	Template of Grid Layout of a translated application is not used
15923165	Handle resizing of chart on mobile page automatically depending on device used
15929342	Edit (List) Region page shows the target page links escaped
15947429	SQL Commands can initiate database job unnecessarily when Transactional SQL is disabled

Bugs Fixed in the 4.2.2.00.11 Patch Set

Table 2 lists bugs fixed in the Oracle Application Express 4.2.2.00.11 patch set.

Table 2 Bugs Fixed in the Oracle Application Express 4.2.2.00.11 Patch Set

Bug Number	Description
7169462	Exported static files result in corrupted files on import
13974984	Redirect to URL Buttons do not generate a checksum for appropriate URLs
14309604	User group description not accepting maximum characters
14582096	ORA-06502 when exporting an application with a long page template header
14699842	Image size increase when import-export more than one image
15916356	Before refresh of a region, fails to cancel the entire event
15935289	Enable user other than ANONYMOUS and APEX_PUBLIC_USER to run Application Express
15940544	Database Object Dependencies, Compute Dependencies gives ORA-01461
15959506	Developer toolbar: Move Show Grid to the right of Show Edit links
15965679	List View in jQuery mobile application have no access to subpage
15969515	Application Image Prefix attribute should be NULL by default
15984978	A Before-Submit dynamic action with a confirmation message fails
15994419	Cancel Reset Data should not delete projects for Sample Wizard
15995661	Cancel goes to wrong page when adding environment in system catalog
15996380	Wrong page when Cancel or Change Environment in Edit Environment page
16002675	Clicking link for APEX_UTIL.GET_BLOB does not call initialization code
16002945	SQL And SQLVALUE syntax does not support WITH syntax
16010518	Dynamic actions using Dynamic Event Scopes on mobile sometimes do not work
16011703	Application Builder search: Error Processing Condition if invalid application or page ID
16029272	After and Before refresh events not being fired in chart of interactive reports
16030411	If Application Language Derived From using Browser Language always 'en'
16045072	Manage Tabs gives error ORA-06502 when one tab associated with hundreds of pages
16046368	Region Utilities, PL/SQL regions gives ORA-06502 error
16051585	Extra space after Column label in interactive report filter
16096118	APEX_PLUGIN_UTIL.GET_DATA* returns APX\$ROWNUM column
16097364	AJAX calls do not show meaningful errors if Oracle HTTP Server with mod_plsql or embedded PL/SQL gateway are used
16097436	End users should not see detailed error message if AJAX call triggers SSP error
16103090	Error deleting Microsoft Access migration project
16104481	Delete Workspace should first drop user then drop tablespace

Table 2 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.2.00.11 Patch Set

Bug Number	Description
16165357	Instance Administration always shows packaged application installation count as 1
16177617	jQuery Mobile does not use cached version of JavaScript files
16191196	Websheets navigation menus have dark background when using Internet Explorer 8
16191354	Buttons are not displayed in SQL Workshop in translated versions
16192465	Copy list handle authorization schemes properly
16198420	Theme 23 and 26 - Success message appears twice (Template Code)
16211628	Hardcoded /i/ Image Prefix reference in Worksheet menu bar
16212066	APEX_WEB_SERVICE MAKE_REST_REQUEST does not use instance wallet if not specified
16225742	ORA-20876: Stop Application Express engine caused by APEX_ITEM.TEXT_FROM_LOV
16236569	Enable interactive report group by Count * And Percent Total Count
16242658	Show/Hide item button fails to control other button attributes with Grid Layout
16248868	Import of translated 4.1.1 application: User interface record created with wrong ID
16249729	Pagination button not properly disabled when editing items in Internet Explorer
16268842	Export To PDF, RTF, and XLS from Application Express 4.2.1 Using BI Publisher gives unreadable header
16270085	Instance settings incorrectly assigned to non-internal workspace
16288600	Global application items do not show in Developer Toolbar Session window
16292676	Schema selection not shown in Query Builder
16315123	ORA-20876 when Partial Page Refresh (PPR) refreshing (Sort, Refresh, Paginate) a classic report
16318010	Page Process, Once Per Session Or When Reset, is not firing in translated application
16368520	Create user with description larger than 240 characters does not create user
16373530	Can change from region of type HTML to Data Upload Column Mapping
16383567	Response from RESTful service with text output is off by one on last parameter
16409544	Dynamic action containing a reference greater than 1 element in When selector fails to fire action for each element on page load
16411940	Artifacts displayed in call stack when _PLSQL_MAX_STACK_SIZE is enabled
16440645	Page region appears truncated when editing all items
16443640	ERR-1002 Unable to find item ID for item "P1500_GROUP" when clicking link on application groups
16444131	Region Item Display Position not correctly migrated for release 4.2 or earlier applications

Table 2 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.2.00.11 Patch Set

Bug Number	Description
16447504	Oracle REST Data Services (formerly Oracle Application Express Listener) printing option does not support print APIs
16449547	P1_FIND does not exist when clicking link on assigned application in application groups
16468156	Unwanted lines are displayed in <code>apxpatch.log</code> when upgrading Oracle Application Express release 4.2.1 To 4.2.2
16483690	Unable to import SQL scripts using SQL Workshop, SQL Scripts, Import option
16492569	<code>APEX_UTIL.CLEAR_APP_CACHE</code> raises an error when called from another application
16498928	Darkened background for Show Loading indicator does not stretch to full document
16498958	On Demand GET requests should redirect if no Application Express session yet
16527183	Mobile: Cascading LOV does not work if select list is displayed in dialog
16529338	Importing workspace results in <code>ORA-02291: Integrity Constraint</code>
16536609	Deprecate support of PL/SQL section in Websheets
16536668	Interactive Report, Download to email, substitution strings not being replaced in subject line
16538936	Unable to import SQL scripts in German, Spanish, and so on
16545160	Responses Rate line chart displaying duplicate y-axis values
16562938	<code>APEX_UTIL.SET_AUTHENTICATION_RESULT</code> does not set session status if login fails
16575574	Export file splitter cannot handle duplicate component names
16582743	Error Message You Are Using An Outdated Web Browser With Internet Explorer 10
16593319	Websheets: Username edit function does not run
16595273	If Worksheet contains suggested object, import fails with unique constraint error
16600519	Double escaping of report column values on Application Builder home page
16601212	No data found error encountered when creating a new page from Page Definition
16603010	Creating blank pages defaults to Left Sidebar page template
16607625	Workspace theme not shown in Create Application wizard
16607687	Create Application Wizard - Copy shared components issue with themes
16608852	Theme 25 (Blue Responsive) does not have default wizard template defined
16611289	Regression: Have no access to the schema while Create Application Wizard using spreadsheet
16617432	Report queries fail with custom XSL-FO templates greater than (>) 32K
16621861	Upgrade jQuery Mobile to release 1.2.1
16669380	Calendar navigation buttons such as Next and Previous not functional for translated language

Bugs Fixed in the 4.2.3.00.08 Patch Set

Table 3 lists bugs fixed in the Oracle Application Express 4.2.3.00.08 patch set.

Table 3 Bugs Fixed in the Oracle Application Express 4.2.3.00.08 Patch Set

Bug Number	Description
14645429	AnyChart 6 stacked bar chart colors incorrectly applied to chart series data
16304191	File upload for data loading cannot load large file with Unix line terminators
16713655	Upgrade AnyGantt charts to 4.3.0
16729276	Create new blank page missing associated tab
16743663	Over-escaping in report links if database is not character set AL32UTF8
16755352	The value of URI template in the Create/Edit Parameter page is being escaped
16755401	Edit Parameter page of RESTful services is resetting Access Method
16760897	ORA-06502 when using Microsoft Internet Explorer and cookies are disabled or empty Cookie Header
16761131	Minimum database version for packaged applications should be Oracle Database 11g Release 1 (11.1)
16768123	Interactive reports single row view: Escaping in links
16769040	Developer toolbar is missing after upgrading to release 4.2.2
16793498	Upgrade AnyChart charts to 6.0.12
16796396	ORA-22297 open LOBS exist when importing file larger than Fileupload.Max In Oracle REST Data Services (formerly Oracle Application Express Listener)
16821522	On Application Builder Change Password page, strong policy enforced only for Instance Administrator
16833264	Report template preview throws ORA-01002 error
16841599	DML Fetch Mode property visible in automatic row processing process
16846844	Workspace import raises ORA-02291 error for RESTful service calls
16848487	Broken layout on Websheet password reset page
16849144	Translatable flag not exposed in Oracle Application Express view APEX_APPLICATION_TRANS_REPOS
16866876	ORA-06502 after upgrade from Oracle Application Express 4.2.1 To 4.2.2 (Trailing ';' In Cookie Header)
16868162	Oracle Application Express links in interactive report passing date as parameters wrongly encodes date
16874019	Incorrectly generated packages when using table with TIMESTAMP data type
16887136	Oracle Application Express 4.2.2 patch set cannot be applied to Oracle Database 12c multitenant container database (CDB) and pluggable database (PDB)
16892063	Theme 25 - Modernizer 2.5.3 causes memory leak in Microsoft Internet Explorer 9
16892711	Setting p_developer_roles using APEX_UTIL.EDIT_USER is not working

Table 3 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.3.00.08 Patch Set

Bug Number	Description
16900279	Purge does not purge workspaces created using APEX_INSTANCE_ADMIN.ADD_WORKSPACE
16903670	Data loading fails if any of unique columns are of type CHAR
16924243	Re-importing page loses private interactive reports
16940186	ORA-01403 when trying to login using redirect to a page of another application
16955380	Hierarchical dynamic list missing Before Sublist Entry from list template
16997171	Error: Parsererror: Json.Parse: Unexpected Character in dynamic action
17024802	Data loading - Transformation rules columns not showing in Shared Components
17028997	P-Track application causes ORA-00933 when running against Oracle Database Release 10.2.0.4
17038694	Feedback flag missing from APEX_APPLICATIONS view
17065043	\$V and \$\$ JavaScript functions do not work on text areas items if Rich Text Editor item exists
17155961	Error handling does not support changing errors raised by interactive report
17173777	Upgrading Oracle Application Express release 4.2.2 to 4.2.3 in Oracle Database 12c CDB does not generate descriptive log file
17182622	Interactive Report - Remove HTML and escape special characters for Column on filter shows corrupted values
17210166	Oracle Application Express drop down not displaying the ampersand in Internet Explorer 8
17250508	APEX_CUSTOM_AUTH.IS_SESSION_VALID does work properly in Oracle Application Express 4.2.2
17256619	Upgrade from Oracle Application Express release 4.0: Create Websheet data grid-copy paste option results in ORA-04098
17267905	Values are cleared if the check box exists in tabular form
17283013	Single space for LDAP pre-authentication procedure name results in ORA-44004
17305899	Incorrect Oracle Application Express version displayed after using apxdvins.sql
17316352	Workspace export using APEXExport results in ORA-06502
17328327	Update Twitter Bootstrap to version 3.0.0
17346477	Oracle Application Express 4.2.2 does not work with Oracle Database Release 11.2.0.3.6, if database NLS_LANG=Estonian
17554487	Calendar with too much data for a single date results in ORA-06512

Bugs Fixed in the 4.2.4.00.08 Patch Set

Table 4 lists bugs fixed in the Oracle Application Express 4.2.4.00.08 patch set.

Table 4 Bugs Fixed in the Oracle Application Express 4.2.4.00.08 Patch Set

Bug Number	Description
17266733	Go Live Check List - Can create the same category and subcategory
17269702	Incident Tracking - Can create the same ticket items
17372766	Survey Builder - Got unexpected error if question ID or answer value is non-numeric
17377640	Community Requests - Time zone select list displays wrong value
17377736	Group Calendar - Tags item is invalid in attachments for event
17380752	Bug Tracking - Clicking on tag in page 7 does not list all that is tagged
17394283	Systems Catalog - Cannot change application
17396984	Systems Catalog - Cannot change server
17407145	Data Reporter - In Internet Explorer 8, add link button while creating interactive report does not work
17412307	Opportunity Tracker - Got unexpected internal error after rename application
17412350	Opportunity Tracker - Should validate in page data load source (page 210)
17412408	Opportunity Tracker - Username format in user access control should validate
17412450	Opportunity Tracker - USERID in territory ACL page should mark asterisk
17412483	Opportunity Tracker - Industry name should validate or will add null industry
17412713	Systems Catalog - Cannot change person
17412740	Opportunity Tracker - Add location need validate if added on page 94
17413703	Customer Tracker - Upgrade from 4.2.0 to 4.2.3 throws ORA-00904 error on clicking Custom
17413978	Opportunity Tracker -Territory field is shown wrong when add account
17414220	Opportunity Tracker - Notification to date should be later or equal to from date
17414397	Opportunity Tracker - Sales Periods: Last day should later or equal first date
17414474	Opportunity Tracker - Should add related verification when add SVP
17414796	Opportunity Tracker - Administration>States: Missing related verification
17415040	Opportunity Tracker - Opportunities: No any message shown after added product
17415079	Opportunity Tracker - Opportunities: Add product UI is shown wrong
17415107	Opportunity Tracker - Opportunities: Can add duplicated product
17415160	Opportunity Tracker - Opportunities: Should show red star for product required
17415200	Opportunity Tracker - Opportunities: Can add duplicated competitor
17415259	Opportunity Tracker- Opportunities: Should show red star for competition required
17415274	Opportunity Tracker - Opportunities: No Any Message shown after added competition
17415305	Opportunity Tracker - Opportunities: Can add duplicated team member

Table 4 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.4.00.08 Patch Set

Bug Number	Description
17415345	Opportunity Tracker - Opportunities: Should show red star for team required
17415360	Opportunity Tracker - Opportunities: No any message shown after added team
17415406	Opportunity Tracker - Opportunities: Can add link when not input any value
17415428	Opportunity Tracker - Opportunities: Can add duplicated link
17415465	Opportunity Tracker - Opportunities: Can add attachment when not input any value
17415493	Opportunity Tracker - Opportunities: No Any Message shown after added attachment
17416289	Opportunity Tracker - Can create duplicated territories
17416298	Opportunity Tracker - Can create duplicated account
17416318	Opportunity Tracker - Can create duplicated opportunity
17416330	Opportunity Tracker - Can create duplicated contact
17440893	Invalid (redundant) HTML tags in interactive report pagination
17469441	Links and branches with request BRANCH_TO_PAGE_ACCEPT do not set session state
17490077	APEX_UTIL.EXPIRE_END_USER_ACCOUNT does not expire passwords
17496428	LOV Hangs after some invocations due to call to APEX_PLUGIN_UTIL.GET_DATA2
17587129	HTTP-404 when trying to test RESTful service URL in Application Express with bind variable
17593502	APEX_AUTHENTICATION.IS_AUTHENTICATED returns true if Application Express user is NULL
17648313	Bookmark checksums different between translated applications
17731951	Inefficient query on GV\$INSTANCE to determine RAC nodes
17751343	Accept Page request does not perform initialization PL/SQL code
17756484	Bug Tracker - Bug attachment overlaps bug details in the breadcrumb in Internet Explorer 8
17757002	Bug Tracker - Load bugs from spreadsheet - data not shown in Home page - recent bugs
17757412	Bug Tracker - Delete bug - still in blank Bug Details page
17757519	Bug Tracker - Unable to edit Submitted by and Submitted on, which is always blank
17757622	Bug Tracker - Search in Home page does not work for bug number
17759386	Customer Tracker - Tag report does not show the tag for attachment
17759446	Customer Tracker - No validation for not selecting any file for attachment
17764983	Issue Tracker - Failed to run after installed successfully
17765032	Customer Tracker - Reports>Activity Calendar>User Activity click does work
17781714	APEX_INSTANCE_ADMIN.ADD/REMOVE_WORKSPACE is not re-runnable

Table 4 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.4.00.08 Patch Set

Bug Number	Description
17790178	Interactive report single row view errors if lower case SINCE format mask used
17796199	DAD ("No Authentication") should not redirect on initial request to public page

Bugs Fixed in the 4.2.5.00.08 Patch Set

[Table 5](#) lists bugs fixed in the Oracle Application Express 4.2.5.00.08 patch set.

Table 5 Bugs Fixed in the Oracle Application Express 4.2.5.00.08 Patch Set

Bug Number	Description
13997447	APEX_MAIL should support RFC 821-compliant email addresses
17815332	Interactive report single report view does not show correct information with large number of columns
17824102	Javascript:Void(0) thrown if answer value is character and confirm validation
18016349	reset_image_prefix.sql script cannot parse image alias argument
18050100	Imported translations overwritten when seeding again
18068631	Upgrade AnyChart Charts to 6.2.0
18145806	Print Mode Websheet in Oracle Application Express release 4.2.X gives listview of "navigation" in output
18148782	Ora-00600: [723] when archiving applications and PGA memory limit is set
18188142	Apex_Web_Service.Blob2clobbase64 And Clobbase642blob converts incorrectly
18223737	Interactive Report Date Column Filter Escapes Filter Value
18229917	Interactive subscription sends email every 30 minutes if it errors out
18282188	Creating PDF report from report queries does not show the special character properly when printing through Oracle REST Data Services (formerly named Oracle Application Express Listener)

Bugs Fixed in the 4.2.6.00.03 Patch Set

[Table 6](#) lists bugs fixed in the Oracle Application Express 4.2.6.00.03 patch set.

Table 6 Bugs Fixed in the Oracle Application Express 4.2.6.00.03 Patch Set

Bug Number	Description
18393429	Importing pre-4.2 application with data loading results in runtime error
18609856	APEX_WEB_SERVICE.CLOBBASE642BLOB converts incorrectly
18658967	Corrupted HTML mail messages are created from APEX_MAIL.SEND
18719750	ORA-01858 during application import
18733989	Errors picking up session with cookie when TOP CALL is not F, SHOW, or ACCEPT

Table 6 (Cont.) Bugs Fixed in the Oracle Application Express 4.2.6.00.03 Patch Set

Bug Number	Description
19021052	Oracle Application Express 4.2.4 throwing error while generating check boxes
19313700	Check box fails with ORA-06502 after upgrade from release 4.0 to 4.2.4
19482775	ORA-06502 when importing application containing translations

Other Issues and Changes

This section describes other issues and changes first introduced in the Oracle Application Express 4.2.5.00.08 patch set and included in the Oracle Application Express 4.2.6.00.03 patch set.

- [Packaged Applications](#)
- [Modifications to jQuery Mobile Smartphone Theme \(Theme 50\)](#)
- [Modifications to Blue Responsive Theme \(Theme 25\)](#)
- [Updating the Modal Region Template When Importing an Application Installed from Release 4.2.1 or Earlier](#)
- [Deprecation of Logout URLs that use APEX_CUSTOM_AUTH and WWV_FLOW_CUSTOM_AUTH_STD](#)
- [Changes in How Oracle Application Express Populates CLIENT_INFO in V\\$SESSION and GV\\$SESSION](#)
- [Application Express No Longer Supports Reading Session Cookie Values from within an Application](#)
- [Deprecation of Flash 3 Charts](#)

Packaged Applications

This section describes changes to packaged applications in Oracle Application Express release 4.2.5.

- [New Packaged Applications](#)
- [Updates to Existing Packaged Application](#)

New Packaged Applications

Oracle Application Express release 4.2.5 includes the following new packaged applications.

- [Sample Geolocation Showcase](#)
- [Live Poll](#)

Sample Geolocation Showcase Sample Geolocation Showcase demonstrates Spatial capabilities of the Oracle database. This application features three main areas:

- **Addresses** - Add postal addresses which can be geocoded (converted to a coordinate) and then be displayed on the map.
- **Images** - Upload images. If an image (for example, a smartphone image) contains a location, it is automatically extracted and stored in the database.

- Areas Of Interest - Areas Of Interest are polygons which can be drawn on the map and then be stored into the database.

Based on this data, the application offers three kinds of spatial analysis:

- Within Distance Search - After clicking a position on the map and adjusting the distance slider, the application returns all images and addresses, which are located within that area.
- Nearest Neighbor Search - After selecting an address, a maximum distance and the maximum number of results, the application shows *N* images which are closest to the selected address.
- Area Of Interest Search - Enables you to choose one of the previously created Areas Of Interest - the application returns all images and addresses within that area.

Live Poll Live Poll enables you to conduct a simple poll or quiz. Results of the poll or quiz can be displayed in real time. You can use live poll during meetings or presentations to get instant feedback and to facilitate discussions.

Updates to Existing Packaged Application

Oracle Application Express release 4.2.5 includes the following major enhancements to existing packaged applications.

- [P-Track and Customer Tracker](#)
- [Application Standards Tracker](#)

P-Track and Customer Tracker P-Track and Customer Tracker include flex columns. These new fields enable application administrators to define additional columns against selected tables without needing to unlock and customize the application. Flex columns display throughout the application and from an end user's perspective appear the same as standard items.

Application Standards Tracker Application Standards Tracker has been expanded to include integration with Application Builder when a user has an active Application Express developer session. When reviewing the results of an automated test, the results now include links directly to the corresponding component within the Application Builder. This change enables the developer to quickly review the components where issues are reported.

Modifications to jQuery Mobile Smartphone Theme (Theme 50)

During the patch set installation, several modifications are automatically applied to all applications using theme jQuery Mobile Smartphone (Theme 50).

If you import an application from Oracle Application Express release 4.2 to Oracle Application Express release 4.2.5, those modifications are not automatically performed.

To pick up these modifications after import, perform the following steps to re-apply the theme:

1. On the Workspace home page, click the **Application Builder** icon.
2. Select the application using theme 50.
3. Click **Shared Components**.

4. Under User Interface, select **Themes**.
5. Rename the existing theme 50 to another number:
 - a. On the Tasks list, click **Change Identification Number**.
 - b. For Theme Number:
 - a. Identify Theme - Select **50. jQuery Mobile Smartphone**.
 - b. Theme Identification Number - Enter a number greater than 100.
 - c. Click **Next**.
 - c. Click **Change Theme ID**.
6. Create a new theme from the repository:
 - a. Click **Create**.
 - b. For Method, select **From the Repository** and click **Next**.
 - c. For User Interface, select **jQuery Mobile Smartphone** and click **Next**.
 - d. For Identify Theme, select **jQuery Mobile Smartphone (Theme 50)** and click **Next**.
 - e. Click **Create**.
7. Make the newly created theme 50 the active theme:
 - a. Click **Switch Theme**.
 - b. For Currently Active Theme, select the theme number you created in step 5.
 - c. For Switch to Theme, select **50. jQuery Mobile Smartphone** and click **Next**.
 - d. For Verify Compatibility, accept the defaults and click **Next**.
 - e. Click **Switch Theme**.
8. Delete the old theme 50.
 - a. From the Tasks list, click **Delete Theme**.
 - b. For Delete Theme, select the theme number you created in step 5 and click **Next**.
 - c. Click **Delete Theme**.

Modifications to Blue Responsive Theme (Theme 25)

During the patch set installation, several modifications are automatically applied to all applications using Blue Responsive (Theme 25).

If you import an application from Oracle Application Express release 4.2 to Oracle Application Express release 4.2.5, those modifications are not automatically performed.

To pick up these modifications after import, perform the following steps to re-apply the theme:

1. On the Workspace home page, click the **Application Builder** icon.
2. Select the application using theme 25.
3. Click **Shared Components**.
4. Under User Interface, select **Themes**.

5. Rename the existing theme 25 to another number:
 - a. On the Tasks list, click **Change Identification Number**.
 - b. For Theme Number:
 - Identify Theme - Select **25. Blue Responsive**.
 - Theme Identification Number - Enter a number greater than 100.
 - Click **Next**.
 - c. Click **Change Theme ID**.
6. Create a new theme from the repository:
 - a. Click **Create**.
 - b. For Method, select **From the Repository** and click **Next**.
 - c. For User Interface, select **Desktop** and click **Next**.
 - d. For Identify Theme, select **Blue Responsive (Theme 25)** and click **Next**.
 - e. Click **Create**.
7. Make the newly created theme 25 the active theme:
 - a. Click **Switch Theme**.
 - b. For Currently Active Theme, select the theme number you created in step 5.
 - c. For Switch to Theme, select **25. Blue Responsive** and click **Next**.
 - d. For Verify Compatibility, accept the defaults and click **Next**.
 - e. Click **Switch Theme**.
8. Delete the old theme 25.
 - a. From the Tasks list, click **Delete Theme**.
 - b. For Delete Theme, select the theme number you created in step 5 and click **Next**.
 - c. Click **Delete Theme**.

Updating the Modal Region Template When Importing an Application Installed from Release 4.2.1 or Earlier

If you are importing an unlocked packaged application from Oracle Application Express release 4.2.1 or earlier instance, you need to update the Modal Region template.

To update the Modal Region template in an imported, unlocked packaged application:

1. Import the unlocked packaged application.
2. Access the Template page:
 - a. Select the application to be updated.
 - b. Click **Shared Components**.
 - c. Under User Interface, select **Templates**.The Templates page appears.
3. Under Regions, locate and select **Modal Region**.

4. Scroll down to Definition and update the template definition by surrounding the template HTML with `<div id="#REGION_STATIC_ID#_parent">` and `</div>`. For example:

```
<div id="#REGION_STATIC_ID#_parent">
<section class="uRegion uWhiteRegion uModalRegion uAlertRegion clearfix"
id="#REGION_STATIC_ID#" #REGION_ATTRIBUTES#>
  <div class="uRegionHeading">
    <h1 class="modal_title">#TITLE#</h1>
  </div>
  <div class="uRegionContent clearfix">
    #BODY#
  </div>
  <span class="uButtonContainer">
#CLOSE##PREVIOUS##NEXT##DELETE##EDIT##CHANGE##CREATE##CREATE2##EXPAND##COPY##HE
LP#
  </span>
</section>
</div>
```

5. Click **Apply Changes**.

Deprecation of Logout URLs that use APEX_CUSTOM_AUTH and WWV_FLOW_CUSTOM_AUTH_STD

The following logout procedures have been deprecated in the Oracle Application Express 4.2.2.00.11 patch set:

- APEX_CUSTOM_AUTH.LOGOUT
- APEX_CUSTOM_AUTH.LOGOUT_THEN_GO_TO_PAGE
- APEX_CUSTOM_AUTH.LOGOUT_THEN_GO_TO_URL
- WWV_FLOW_CUSTOM_AUTH_STD.LOGOUT
- WWV_FLOW_CUSTOM_AUTH_STD.LOGOUT_THEN_GO_TO_PAGE
- WWV_FLOW_CUSTOM_AUTH_STD.LOGOUT_THEN_GO_TO_URL

Oracle recommends users switch to the new logout procedure APEX_AUTHENTICATION.LOGOUT.

Changes in How Oracle Application Express Populates CLIENT_INFO in V\$SESSION and GV\$SESSION

The Oracle Application Express 4.2.2.00.11 patch set changes how Application Express populates the CLIENT_INFO value in V\$SESSION and GV\$SESSION. The new information in this field is workspace ID, followed by colon (:), followed by the authenticated username.

Tip: You may have to adapt database instance monitoring scripts which interpret CLIENT_INFO and expect the previous content for Oracle Application Express sessions (*username ':' workspace id*).

Application Express No Longer Supports Reading Session Cookie Values from within an Application

Oracle Application Express session cookie values now start with the identifier ORA_WWV-. These cookies are removed from the CGI environment variables before the Application Express engine calls application specific code. Oracle Application Express no longer supports the ability to read session cookie values from within Application Express applications.

Deprecation of Flash 3 Charts

Flash 3 Charts have been deprecated in this release and will be removed in Oracle Application Express release 5.0. Because of this change, you should upgrade all existing Flash 3 charts in your application to the latest AnyChart 6 version.

To perform a bulk upgrade of Flash 3 charts in an application, to either AnyChart Flash 6 or AnyChart HTML5:

1. Navigate to the Workspace home page.
2. Click the **Application Builder** icon.
3. Select an application.
The Application home page appears.
4. Click **Utilities**.
5. Click **Upgrade Application**.
6. Follow the on-screen instructions.

To upgrade a single chart region, edit the region and select the upgrade option available in the Tasks region.

Changed Behavior

This section describes changed behavior in the Oracle Application Express 4.2.1.00.08, 4.2.2.00.11, 4.2.3.00.08, 4.2.4.00.08, 4.2.5.00.08, and 4.2.6.00.03 patch sets.

- [Maximum Width for Text Areas](#)
- [Enhanced Security for Report Links](#)
- [jQuery Mobile](#)
- [AnyChart 5](#)
- [AnyChart 6](#)
- [Resizing of Charts on Mobile Page](#)
- [AnyGantt 4](#)

Tip: This section is current as of the writing of this document. To view the most current listing of changed behavior, go to the Known Issues page available off the Downloads page. See:

<http://www.oracle.com/technetwork/developer-tools/apex/downloads/index.html>

Maximum Width for Text Areas

In Oracle Application Express release 4.2.0.00.27, text areas were changed to always use the Maximum Width attribute to restrict text input. Because of issues with existing applications where the Maximum Width attribute contained wrong values, this has been changed to only enforce the length restriction if the application Compatibility Mode attribute is 4.2 or later.

Enhanced Security for Report Links

Oracle Application Express includes enhanced security for report column links, where the link contains both JavaScript and references to other report column substitutions. For example:

```
javascript:alert( 'Delete #NAME#' );
```

In the previous example, *NAME* is a column name in the report.

Prior to Oracle Application Express release 4.2.1, in order to protect against possible cross-site scripting vulnerabilities you would have had to explicitly escape any column values in the report source, so that they could safely be used in JavaScript links. In release 4.2.1 when running in Compatibility Mode 4.2, Oracle Application Express automatically JavaScript escapes column name substitutions referenced in JavaScript links if the column is defined to escape special characters.

Existing applications with a Compatibility Mode of less than 4.2 will not be affected. However, if you have an existing application using Compatibility Mode 4.2 and you have manually JavaScript escaped any column values that were referenced in report column links, this will now result in double escaping. To fix this, Oracle recommends that you remove the manual JavaScript escaping from your report source and use of the native escaping.

jQuery Mobile

The jQuery Mobile JavaScript library used by Oracle Application Express has been updated to version 1.2.1.

AnyChart 5

The AnyChart 5 libraries used in earlier versions of Oracle Application Express have been removed from the `/images/flashchart` folder, as they are no longer used for the rendering of Flash charts. With Oracle Application Express release 4.2, AnyChart 6 is now used to render Flash charts, and any existing AnyChart 5 Flash charts are automatically upgraded to AnyChart 6.

AnyChart 6

The AnyChart libraries used by Oracle Application Express have been updated to version 6.2.0. AnyChart 6.2.0 includes rendering performance improvement for HTML5 engine in Internet Explorer 6.x, 7.x, 8.x. Support for the AnyChart Flash parameter XMLFile has been removed, and the AnyChart JavaScript `setXMLFile()` method should now be used instead. For example:

```
var chart = new AnyChart('#IMAGE_PREFIX#flashchart/anychart_6/swf/OracleAnyChart.swf');
    chart.width = 700;
    chart.height = 300;
```

```
chart.setXMLFile('#IMAGE_PREFIX#flashchart/anychart_6/swf/anychart.xml');  
chart.write();
```

Resizing of Charts on Mobile Page

In Oracle Application Express release 4.2.0.00.27, charts generated on an application page with a jQuery Mobile Smartphone user interface were created with fixed width and height region settings in pixels. This meant that the chart region did not resize correctly according to the mobile device being used to render it.

With Oracle Application Express release 4.2.1 or later, when a chart is created on a page using the jQuery Mobile Smartphone user interface, it correctly resizes to fit the device it is being rendered on. The width is automatically set to 100% of the chart region, and the height is based upon the height of the browser. This automatic resizing only occurs when the values for chart height and width on the Chart Attributes page are set to NULL. To define a fixed width and height for your chart region, you should specify values for width and height on the Chart Attributes page in pixels.

AnyGantt 4

The AnyGantt libraries used by Oracle Application Express have been updated to AnyGantt release 4.3.0. For further information, see:

<http://www.anychart.com/products/anygantt/history/>

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