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Oracle Management Pack for Oracle Data Integrator

Management Pack for Oracle Data Integrator leverages Oracle Enterprise Manager Cloud Control best-in-class application performance management, service level management and configuration management capabilities to provide a centralized management solution for Oracle Data Integrator Enterprise Edition. Oracle Enterprise Manager is Oracle's on-premise management platform, providing a single pane of glass for managing all of a customer's Oracle deployments, whether in their data centers or in the Oracle Cloud. Through deep integration with Oracle's product stack, Enterprise Manager provides market-leading management and automation support for Oracle applications, databases, middleware, hardware and engineered systems.

Enterprise Manager helps increase business agility using application-to-disk automation and maximizes service levels through intelligent management of the Oracle stack. It also enables customers to reduce costs through comprehensive lifecycle automation, combined

ORACLE
Enterprise Manager

KEY FEATURES

Manage and monitor the performance of an entire Oracle Data Integrator infrastructure

End-to-end execution monitoring providing drill-down capabilities into Oracle databases activity

Advanced Service Level Management capabilities

Track and compare configuration changes with out-of-the-box configuration management features

hardware and software management, proactive monitoring and compliance control.

ORACLE DATA INTEGRATOR MANAGEMENT

To help you maximize the value of Oracle Data Integrator, and to deliver a superior ownership experience while minimizing systems management costs, Oracle provides Management Pack for Oracle Data Integrator, which leverages Oracle Enterprise Manager Cloud Control's advanced management capabilities, to provide an integrated and top-down solution for your Oracle Data Integrator environments.

Management Pack for Oracle Data Integrator provides a consolidated view of your entire Oracle Data Integrator infrastructure enabling users to monitor and manage all their components centrally from Oracle Enterprise Manager Cloud Control. Key features of the pack include the following:

- Manage multiple Oracle Data Integrator domains from a single location
- Monitor Oracle Data Integrator components availability and performance out-of-the-box; access historical data, track logs, and receive notifications of potential problems
- Trace end-to-end Oracle Data Integrator Sessions activity, review execution statistics and drill-down from a particular Step or Task into a detailed report of Oracle databases activity
- Control Service Level Agreements (SLA) with robust and scalable alerting capabilities
- Obtain real-time and historical in-depth performance statistics for the Oracle Data Integrator Standalone and JEE Agents
- Discover and model dependencies between Oracle Data Integrator and various components such as databases or other Oracle Fusion Middleware products automatically using the Oracle Enterprise Manager Cloud Control framework
- Capture Oracle Data Integrator components configuration and track changes over time and compare configuration parameters across environments
- Management Pack for Oracle Data Integrator supports both 11g (11.1.1.7.0 and higher) and 12c versions (12.1.2, 12.1.3 and 12.2.1) of Oracle Data Integrator

APPLICATION PERFORMANCE MANAGEMENT

Management Pack for Oracle Data Integrator streamlines the monitoring of the health, performance and availability of every single component of an Oracle Data Integrator environment: Master and Work Repositories, ODI Standalone and JEE agents as well as source and target Data Servers.

In order to be manageable in Oracle Enterprise Manager Cloud Control, ODI Standalone agents must be configured with OPMN (Oracle Process Manager and Notification) for Oracle Data Integrator 11g. ODI Colocated Standalone agents in ODI 12c must be configured with an Administration Server.

Through an easy-to-use graphical interface Management Pack for Oracle Data Integrator offers administrators and operators the ability to quickly assess the status of their Oracle Data Integrator environments. On the Dashboard page users can find a summary of the health of each Oracle Data Integrator component with potential issues clearly highlighted along with links provided to drill-down so users can easily and rapidly access more details and investigate further.

KEY BENEFITS

Provides visibility into complex Oracle Data Integrator deployments across the enterprise

Reduces the costs associated with monitoring the health of the overall Oracle Data Integrator infrastructure

Minimizes troubleshooting and performance tuning effort

Improves the ability to efficiently monitor Service Level Agreement (SLA) compliance using powerful alerting capabilities

The Repositories page provides administrators with clear information to monitor the Master and Work repositories databases. In addition to offering key database statistics and performance metrics such as CPU usage or overall throughput, users can easily track the growth of the repositories tablespace and purge the Oracle Data Integrator logs when needed.

The Load Plan Executions/Sessions page allows developers and operators to gain end-to-end visibility of the entire Oracle Data Integrator Sessions activities and review detailed execution statistics such as the overall duration of processes or the number of inserts, updates and deletes performed. Thanks to the integration with the Oracle database Diagnostics and Tuning Packs it is also possible to drill down even further and analyze the Oracle database activity for SQL statements specifically executed by Oracle Data Integrator: execution plan, cost, CPU usage, IO statistics, etc. (This feature requires licenses of both the Oracle database Enterprise Management Diagnostics and Tuning Packs).

CONFIGURATION MANAGEMENT

With the Management Pack for Oracle Data Integrator, you can perform key configuration management tasks such as keeping track of configuration changes, taking snapshots to store configurations, and comparing component configurations. To ensure that the configurations of all critical Oracle Data Integrator components in your production environment are consistent with your staging or test environments, you can use Configuration Snapshots to save working configurations into the Management Repository or into an external XML file. The snapshots can then be compared with the active configuration in the test or staging environments, or against any historical snapshot. Configuration Comparison helps you ensure the consistency of configurations in your application environment – thus reducing "configuration drift." Configuration comparisons also simplify investigations into why components that are presumed to be identical are behaving differently. To diagnose performance problems that may be related to system configuration changes, you can use the Management Pack for Oracle Data Integrator's Configuration History tool to keep track of all configuration changes to locate the root cause of performance problems.

SERVICE LEVEL MANAGEMENT

With the Oracle Data Integrator Management Pack, you can proactively monitor your Oracle Data Integrator environments at every level. A wide-range of out-of-box metrics are automatically collected for each Oracle Data Integrator targets, such as ODI agents or repositories, allowing users to set up alerts based on critical or warning thresholds. Such alerts can be based on the status of Oracle Data Integrator components, on Load Plan or Scenarios execution statistics or on database metrics. Several notification mechanisms are provided such as emails or Simple Network Management Protocol (SNMP).

Furthermore, Oracle Enterprise Manager Cloud Control allows you to create Services Dashboards which can be used to obtain an overall perspective on the Oracle Data Integrator environments and monitor service level agreements in real-time.

HISTORICAL ANALYSIS AND REPORTING

In addition to real-time monitoring of metrics for Oracle Data Integrator infrastructure targets, Oracle Enterprise Manager Cloud Control stores the collected metric and configuration data in a central repository enabling administrators to analyze metrics through various historical views (such as Last 24 Hours, Last 7 Days, and Last 31 Days) to facilitate strategic trend analysis and reporting. Customizable service and system dashboard functionality allow users to create reports on various services and systems for service level availability, usage, performance, and business indicators.

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