Oracle® Fusion Middleware

Release Notes for Oracle Data Integrator

12*c* (12.1.3)

E51096-02

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This document describes known issues associated with Oracle Data Integrator and includes information regarding post-installation patches. It includes the following sections:

- Section 1, "Oracle Data Integrator Console Issues and Workarounds"
- Section 2, "Configuration Issues and Workarounds"
- Section 3, "Design-Time Environment Issues and Workarounds"
- Section 4, "Technologies and Knowledge Module Issues and Workarounds"

1 Oracle Data Integrator Console Issues and Workarounds

This section contains information on the following:

- Section 1.1, "Oracle Data Integrator Console Page Task Flow Resets when Another Tab is Closed"

1.1 Oracle Data Integrator Console Page Task Flow Resets when Another Tab is Closed

When a tab containing a page is closed in Oracle Data Integrator Console, all the tabs after this one reset their task flows (the navigation actions that were made). The pages in these tabs reset to the original object that was opened. [9486792]

2 Configuration Issues and Workarounds

This section contains information on the following issues:

- Section 2.1, "Load Plans with Many Parallel Steps Run Out of Available Database Connections"
- Section 2.2, "After Providing Incorrect Export Key, Cannot Import Master or Work Topology"

2.1 Load Plans with Many Parallel Steps Run Out of Available Database Connections

Load plans with many parallel steps might run out of available database connections, as every parallel step consumes an extra connection. This can be controlled by limiting the 'maximum number of sessions' in the Agent configuration. [17321831]

2.2 After Providing Incorrect Export Key, Cannot Import Master or Work Topology

When importing a master or work repository, the import dialog prompts you to enter the Export Key used when the repository was exported. After entering the incorrect key three times, a dialog is shown which suggests you can import the repository without cipher text. Selecting this option and clicking OK fails with the following error:

```
ODI-3049:exception while importing master_encr.zip.
```

```
Failure reason ODI-14146: Incorrect Export Key
```

[18532487]

3 Design-Time Environment Issues and Workarounds

This section contains information on the following issues:

- Section 3.1, "Generated Templates Including a Datasource With an Oracle RAC URL Fail to Deploy"
- Section 3.2, "Maximum of 1000 Objects in a Folder"
- Section 3.3, "Latest Scenario Behavior Different Depending On Context"
- Section 3.4, "Load Plan Can Hang Under Certain Network Interruption Conditions"
- Section 3.5, "Structure Pane Does Not Display Open Mapping After Selecting Items in Designer Navigator"
- Section 3.6, "Attempting to Run a Design Object on a Down Agent Leaves Session in Wait State"
- Section 3.7, "Mapping Editor Display is Not Arranged Properly when Many Connectors Exist"
- Section 3.8, "Duplicated Model Diagrams Contain Datastores with Parent in Original Model"
- Section 3.9, "Unable to Save a Mapping After Materializing a Datastore Shortcut Referenced in the Mapping"
- Section 3.10, "Groovy Script Editor is Unable to Find JDBC Drivers in the User Classpath"
- Section 3.11, "Multiple Reusable Mappings With Same Name Closed When Closing One"
- Section 3.12, "Test Connection Dialog for Enterprise Scheduler Includes Local Agent"

3.1 Generated Templates Including a Datasource With an Oracle RAC URL Fail to Deploy

Oracle WebLogic Configuration Wizard does not support Oracle RAC URLs for datasources. When a datasource is included in a Java EE Agent template that has been generated using Oracle Data Integrator Studio, this template fails to deploy, and raises the following exception:

```
com.oracle.cie.wizard.WizardController - Uncaught Exception
java.lang.NullPointerException
atcom.oracle.cie.domain.jdbc.DatasourceXBeanAspectHelper.decomposeURL
```

As a workaround, do not include this datasource definition in the generated template and deploy the datasource from Oracle Data Integrator Studio. [9436451, 9457218]

3.2 Maximum of 1000 Objects in a Folder

When more than 1000 objects are in a folder, markers added to any of the objects in the folder will not appear. [10010838, 10060828]

3.3 Latest Scenario Behavior Different Depending On Context

When refreshing a Load Plan to pick the latest Scenario reference in the Load Plan, the latest scenario is determined by the Scenario Creation timestamp. However, during ODI agent execution, the latest scenario is determined by the alphabetical ascending sort order of the Scenario Version string value, selecting the last Scenario in the list. [11731135]

3.4 Load Plan Can Hang Under Certain Network Interruption Conditions

When a load plan is being executed across multiple agents, the agent logic relies on dbms_lock to be released by a database in the event of a client connection disruption. However, if the client connection is disconnected due to a network error which prevents the agent from receiving a database lock release, the load plan execution may be stuck blocked in a lock acquisition request.

As a workaround, configure the database level property `sqlnet.expire` in the sqlnet.ora file to 1 minute, or some other relatively short period. This setting forces the database to check for client connection validity periodically, so that in the event of a disconnection the dbms_lock can be released within a few minutes rather than hours. Releasing the dbms_lock allows the load plan to complete or fail in a timely manner rather than hanging. [12662135]

3.5 Structure Pane Does Not Display Open Mapping After Selecting Items in Designer Navigator

While a mapping is displayed in the structure pane, clicking on other items in the Designer Navigator tree causes the display to go blank, as expected (because these items have not been loaded). However, selecting the open mapping in the tree does not cause the display in the structure pane to re-draw the open mapping.

To view the open mapping in the structure pane after it has been blanked, select the open mapping tab. [15832607]

3.6 Attempting to Run a Design Object on a Down Agent Leaves Session in Wait State

When a design time object is directly executed on a remote agent from ODI studio, if the remote agent is down at that moment, then the session is left in waiting state and the Physical Agent will be set as Local (No Agent). The session will be marked as stale session when the remote agent comes up.

You can safely delete this stale session and try again with an agent that is up and running. [15941929]

3.7 Mapping Editor Display is Not Arranged Properly when Many Connectors Exist

Tracked variables are not displayed in the Variables node in the Session List in the Operator Navigator. However, the variables can be viewed in the Variable and Sequence Values section of the Session Step or Session Task Editor. [16876559]

3.8 Duplicated Model Diagrams Contain Datastores with Parent in Original Model

After creating a diagram for a model containing one or more datastores, if the model is duplicated using a shortcut, the new duplicated model contains the diagram with the datastores. Selecting a datastore causes it to be opened in the original model, rather than in the duplicated model. [16903455]

3.9 Unable to Save a Mapping After Materializing a Datastore Shortcut Referenced in the Mapping

After materializing a shortcut for a datastore, open mappings using this datastore fail while saving and the following error is displayed:

```
ODI-26182: Object was modified by another user and cannot be saved.
```

As a workaround, close and reopen the mapping and repeat changes. [17337669]

3.10 Groovy Script Editor is Unable to Find JDBC Drivers in the User Classpath

A Groovy script, depending on external JDBC drivers, may fail with a `ClassNotFoundException` as the JDBC drivers in the user classpath are not found.

As a workaround, edit `odi.conf` and add the JDBC driver jar using `AddJavaLibFile`. For example, `AddJavaLibFile./mysql-connector-java-5.1.26-bin.jar`. [17361339]

3.11 Multiple Reusable Mappings With Same Name Closed When Closing One

If two or more unsaved reusable mappings with the same name (such as the default name, "New Reusable Mapping") are open in ODI Studio, and one is closed using the **File** -> **Close** menu item, all of the reusable mappings with that name are closed, even if one or more have unsaved changes.

Closing a reusable mapping using the **X** icon on the editor does not cause this issue. [18047491]

3.12 Test Connection Dialog for Enterprise Scheduler Includes Local Agent

When using the **Test Connection** button for the Enterprise Scheduler, the test connection dialog is opened with a drop down list to pick the agent where the connection test should be performed. Local agent is incorrectly included in the drop down list even though a local agent cannot be used for an ESS-ODI asynchronous invocation communication channel. [18515215]

4 Technologies and Knowledge Module Issues and Workarounds

This section contains information on the following issues:

- Section 4.1, "KMs replaced during repository upgrade"
- Section 4.2, "IKM SQL Incremental Update (Row by Row) Cannot Target Japanese Tables"
- Section 4.3, "Cannot Edit or Delete MSSQL Data from MSSQL Model"
- Section 4.4, "IKM SQL Incremental Update (Row by Row) Fails with Single Backslashes in File Path"
- Section 4.5, "Non-ASCII Data in an Exception Thrown by a Jython Script is Incorrectly Converted"
- Section 4.6, "Error While Creating Tables in Teradata"
- Section 4.7, "Must Replace IKM Oracle Control Append When Upgrading to ODI 12.1.3 Or Later"
- Section 4.8, "MySQL ENUM Type Column Limitation"
- Section 4.9, "MySQL Database Cannot Be Used as an External Database Store"
- Section 4.10, "Error Displayed When Selecting HBase"
- Section 4.11, "RKM SQL (JYTHON) Fails if JDBC Driver Doesn't Support REMARKS Columns"

4.1 KMs replaced during repository upgrade

By default, all loaded KMs in the repository are replaced during repository upgrade, irrespective of whether they are modified or not. Do not upgrade the KMs during repository upgrade.

The following are the workarounds to upgrade the KMs:

- If you have SAP KMs, you must not upgrade the KMs during repository upgrade. The new SAP KMs require new ODI SAP components. Using new SAP KMs with old ODI SAP components causes any SAP mappings to fail.

  As a workaround, uncheck **Replace KMs with Mandatory Updates** when upgrading the ODI repositories. To upgrade SAP KMs, follow the upgrade instructions given in the *Application Adapters Guide for Oracle Data Integrator* for the respective ODI SAP adapter.

- If you have any custom KMs, the customizations are lost if you upgrade the KMs during repository upgrade.

As a workaround, uncheck Replace **KMs with Mandatory Updates** when upgrading the ODI repositories. After you upgrade the repositories, manually replace only those KMs that you want to upgrade.

[19931579]

4.2 IKM SQL Incremental Update (Row by Row) Cannot Target Japanese Tables

"IKM SQL Incremental Update (Row by Row)" fails on task *Flag rows for update* if the target table name contains Japanese characters. In the generated code, the integration table name appears as `I$_??????` where `?` characters replace Japanese characters.

As a workaround, replace this IKM with another IKM suitable for the technology. For example, "IKM Oracle Incremental Update" for Oracle. [7602615]

4.3 Cannot Edit or Delete MSSQL Data from MSSQL Model

When attempting to save edits or deletes of data from an MSSQL model, an error similar to the following may be displayed:

```
java.sql.SQLSyntaxErrorException: [OWLS][SQLServer JDBC
Driver][SQLServer]Invalid object name 'dbo.SRC_CUSTOMER'.
```

SQL generated by the internal Jbuilder library uses only the SCHEMA and TABLE names, but not the CATALOG field, which prevents a connection for edit/update from being made with the target MSSQL dataserver. [9463126]

4.4 IKM SQL Incremental Update (Row by Row) Fails with Single Backslashes in File Path

"IKM SQL Incremental Update (Row by Row)" fails if the KM option **LOG_FILE_NAME** is set to a Windows path containing backslashes, for example `LOG_FILE_NAME=C:\user\joe\odi_load.log`. This worked in 11*g* releases.

As a workaround, use a double backslash in the path, for example `C:\\user\\joe\\odi_load.log`. [13354200]

4.5 Non-ASCII Data in an Exception Thrown by a Jython Script is Incorrectly Converted

When an exception thrown by a Jython script contains Non-ASCII data, the Non-ASCII data might be replaced with `???`. However, this does not mean that business data is affected, and more information can be obtained in the exception stack. [15846609]

4.6 Error While Creating Tables in Teradata

While creating a table on Teradata, the Teradata JDBC driver version prior to 13.10.3.8 may throw the exception `Cannot create nonfallback table <table> with AMP down`. This is due to a bug in the Teradata driver while getting the FetchRowCount after executing the table creation SQL.

To resolve the issue, contact Teradata to get a fix for the Teradata JDBC driver. [17168993]

4.7 Must Replace IKM Oracle Control Append When Upgrading to ODI 12.1.3 Or Later

The integration knowledge module IKM Oracle Control Append must be replaced with the 12.1.3 version when upgrading to ODI 12.1.3 or later, from earlier versions of ODI. [18048454]

4.8 MySQL ENUM Type Column Limitation

ODI 12.1.2 and 12.1.3 allows the use of the MySQL ENUM datatype in mappings, with the following restrictions:

- FLOW and STATIC control must be disabled
- Create target table must be disabled

[18056120]

4.9 MySQL Database Cannot Be Used as an External Database Store

The MySQL database cannot be used as an external database store. The generated SQL for the database can cause syntax exceptions.

The external database store is used for XML, Complex File, or LDAP drivers, as described in "Part IV, Appendixes" of *Connectivity and Knowledge Modules Guide for Oracle Data Integrator*. [18308108]

4.10 Error Displayed When Selecting HBase

When selecting the technology HBase and a logical schema inside a model, the following error is displayed:

```
ODI-20754: Driver name cannot be empty
```

The error message is incorrect, as an HBase data server cannot have a driver name configured. The error won't be displayed after customized reverse engineering is selected for the model. [18369023]

4.11 RKM SQL (JYTHON) Fails if JDBC Driver Doesn't Support REMARKS Columns

The RKM SQL (JYTHON) fails if JDBC driver doesn't support REMARKS columns. [18601821]

5 Documentation Accessibility

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