Oracle® Hyperion Data Relationship Management, Fusion Edition

Release 11.1.1.4

Readme

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Purpose

This document includes important, late-breaking information about this release of Oracle® Hyperion Data Relationship Management. Review this information thoroughly before installing Data Relationship Management.

This release is a maintenance update for the 11.1.1.2 release and includes updated platform certifications.

New Features

Information about system requirements for EPM System products is now available in a spreadsheet format in the Oracle Hyperion Enterprise Performance Management System Certification Matrix. This matrix is posted at http://www.oracle.com/technology/products/bi/hyperion-supported-platforms.html. System requirements are no longer part of the Oracle Hyperion Enterprise Performance Management System Installation Start Here.

Previous releases on this codeline contained the following new features and enhancements.

Synchronize By Property

The Synchronize feature has been extended to enable easy searching across multiple hierarchies simultaneously based on any common property value. Relationships between nodes using a property value can be discovered and navigated without creation of a query resulting in higher productivity when browsing mapped nodes across multiple hierarchies. Flexible configuration options by hierarchy and by user allow for synchronization of different types within and across hierarchies.

Migration Reports

Reports can be generated from the Migration Utility to provide offline HTML documentation for metadata extract files that are used for migration or archival. These reports provide users the ease of reference to information stored in the XML file and allow additional user notation to be included in the report to capture the intended purpose and usage of the file. System architects can also leverage migration reports to auto-create documentation for best-practice templates that can be reused for different Data Relationship Management implementations for commonly supported applications.

For a complete overview of the Migration Utility, refer to the *Oracle Hyperion Data Relationship Management Administrator's Guide*.

Implicit Shared Node Export Option

The Hierarchy and Generation exports have the option to output the implicitly shared hierarchical structure below shared limb nodes (displayed in italics when browsing a hierarchy that has been enabled for shared node maintenance). When the option is selected, all implicit shared nodes in the hierarchy are included in the export by default. Implicit shared nodes can then be individually excluded from the export output using a property query or verification filter. Since implicit shared nodes have the same property values as their primary nodes, an export filter will exclude both the primary and implicitly shared instances of a node.

For more information on shared node functionality, see the *Oracle Hyperion Data Relationship Management Administrator's Guide*.

System Property Category Security

Access rights to node-level properties on the System property category can be further restricted to allow users to update properties for their area of responsibility without allowing them to modify these common properties that may be used across multiple business functions. Users have write access to the System property category by default for backward compatibility purposes and read-only access can be assigned on a user-by-user basis.

Difference Filters in Migration Utility

Filters can now be applied to the results of a Difference operation in the Migration Utility. The Difference results can be filtered by metadata object type or source to allow a user to easily view and select particular objects of interest. The filters are useful in situations where two vastly different sources are being compared or one source is a small subset of another much larger source. The Select All and Deselect buttons can be used in conjunction with the filters to include or exclude multiple objects at the same time.

Select List for Setting WebBook System Preference

Previously, setting a value for the WebBook system preference required the user to enter a text string with a valid book name. Now a select list has been implemented which allows the user to pick from the list of available books.

Supported Paths to this Release

Release 11.1.1.4 is a maintenance release for Release 11.1.1.0, 11.1.1.1, or 11.1.1.2. If you are starting from an earlier release, you must first upgrade to an 11.1.1.x release. This may require upgrading to an interim release first, and then upgrading to 11.1.1.x.

Release 11.1.1.4 also provides a complete installation if you are not already starting from Release 11.1.1.x.

Supported Platforms

Applies to all supported platforms. See the *Oracle Hyperion Enterprise Performance Management System Certification Matrix* for more information:

http://www.oracle.com/technology/products/bi/hyperion-supported-platforms.html

Supported Languages

This release supports English only. The list of supported languages for all EPM System products is included in the *Oracle Hyperion Enterprise Performance Management System Certification Matrix*, posted at http://www.oracle.com/technology/products/bi/hyperion-supported-platforms.html.

Installation Updates

This section includes important information about installing this release of Data Relationship Management.

Release Components

The release package includes the following files:

- mdm_client_setup.exe – installs Data Relationship Management client and Batch Client utility

- mdm_server_setup.exe – installs Data Relationship Management server components

- mdm_web_pub_server_setup.exe – installs Web Publishing module

- mdm_migration_setup.exe – installs Migration Utility

DSQUERY Database Server Option

When installing Data Relationship Management and selecting Microsoft SQL Server, the Database Server drop-down list may contain the option DSQUERY. This is not a valid option and will generate an error if selected. Only valid database servers should be selected from the list.

Microsoft ASP.NET

This release of Data Relationship Management requires Microsoft ASP.NET 2.0 SP2 for the Web server and Batch Client. The Data Relationship Management server and client installers automatically install the .NET framework if it is not already present.

NOTE: If you are installing Web Publishing on a server with IIS7, be sure that the IIS ASP component is installed (Control Panel -> Programs & Features -> Turn Windows Features on or off -> Roles Summary -> Web Server (IIS)). If it is not installed, the following error is displayed when invoking mdm_web URL:

```
HTTP Error 404.3 – Not Found\
```

```
The page you are requesting cannot be served because of the extension configuration. If
the page is a script, add a handler. If the file should be downloaded, add a MIME map.
```

NOTE: When using a 64-bit operating system (such as Windows Server 2003 Enterprise x64 Edition,) it is necessary to first install the 64-bit version of the .NET 2.0 SP2 framework before installing Data Relationship Management.

If a previous version of ASP.NET is present on the Web server, it may be necessary to perform the following steps after installing Data Relationship Management server components:

1. Open the Internet Information Services (IIS) Manager.

2. Expand to the node for the **mdm_ntier** virtual directory and select it.

3. Right-click the node and select **Properties**.

4. Select the **ASP.NET** tab.

5. For ASP.NET version, ensure that the selection is 2.0.xxx.

6. Repeat steps 2 through 5 for the other Data Relationship Management virtual directories as applicable: **mdm_migration, mdm_web**.

7. For IIS 6 and higher, select Web Service Extensions.

8. Ensure that the entry for ASP.NET v2.0.xxxxx is set to **Allowed**.

9. Click **OK** to save and close.

This completes the configuration for ASP.NET 2.0 SP2.

AJAX Extensions

In addition to ASP.NET 2.0, the Migration Utility requires ASP AJAX Extensions. The Migration Utility installer automatically installs AJAX Extensions if they are not already present.

User Rights on Client Machine

For successful connectivity to the Data Relationship Management Web gateway, each user must have write access to the Windows\Temp directory on the machine where the client application is running.

If a user does not have the appropriate level of access, an error message similar to the following is displayed:

Server was unable to process request. --> File or assembly name edf6fos5.dll, or one of its dependencies, was not found.

Migration Considerations

Data Relationship Management Web Services WS-I Compliant

In release 11.1.1, the Data Relationship Management Web service API is compliant with WS-I Basic Profile 1.1. This change allows the API to be compatible with more third-party tools for interacting with the web services. As a result, any systems using the Data Relationship Management API in previous releases need to be modified to conform to WS-I standards. The two parameters that need to be changed are:

- Binding Style is changed from RPC to Document

- Use is changed from Encoded to Literal

For more information on API usage, see the *Oracle Hyperion Data Relationship Management API Guide*.

Uninstalling Prior Releases as a Different User

In prior releases of Data Relationship Management (9.3.1 and earlier), it was necessary to uninstall the product with the same Windows user account that originally installed it. When attempting to uninstall or upgrade while logged in as a different user, the existing installed product will not be recognized and the process will fail. Thus, the same user account should be used whenever possible. In cases where the original account is unknown or no longer available, it will be necessary to manually remove the product components from the previous release.

Scope Enforcement for Property Dependencies

When properties are setup to reference other properties, such as in a property formula, it is not valid for a global property to reference a local property. While this situation has never been supported in the product, this release includes additional safeguards to warn the user about such conflicts. When opening a given hierarchy, selecting a node, and viewing the property editor grid, an error will be displayed if any scope conflicts exist. The error will include warnings such as "Error calculating property…" and "Cannot fill a local NodeProp."

There are various ways to resolve such conflicts, such as converting the global property to be local or converting the local property to be global. The best approach will depend on the specific properties and their existing data. During the early stages of implementation, this could be done by deleting the given property and recreating it with the proper scope. However, in order to preserve existing data and minimize disruptions to mature implementations, the property conversion could be done via database scripts. This approach should only be attempted after careful review of the data and consultation with an Oracle representative.

Web Publishing Export Results

When an export is run from the Web Publishing client, the result file is saved on the server machine in the directory specified by the *WebExDir* system preference. The result file can then be downloaded to any client machine. In this release, the naming convention for the result file subdirectories has changed slightly. As a result, any export files already existing on the server will no longer be downloadable. To make an existing export result file downloadable, simply run it again from the Web Publishing client.

Known Issues

Special Characters in Metadata Names

Data Relationship Management currently allows metadata objects (for example, properties, exports, queries, etc.) to be created using special characters. Some of these characters will cause issues when using the system.
Examples are:

- , (comma) - Causes issues with comma-delimited lists

- <>"'=^ - Can cause issues with the Migration utility

- (), - Can cause issues with the Formula parser

Administrators should avoid creating object names that contain these characters.

Node Names with Commas when using Shared Nodes

When both Shared Node Maintenance and Change Tracking are enabled, errors can occur when importing nodes with commas in the node name. Note that the System Preference "InvName" can be used to restrict the use of commas in node names if desired.

Web Publishing May Get Access Denied Error After Upgrade

When attempting to start Web Publishing after installation, a "Catastrophic error" or "Access is denied" message from the Web Publishing engine has been observed in some environments. These errors can be resolved by one or more of the following suggestions. Make sure to restart Web Publishing after making any changes.

- In DCOM (dcomcnfg.exe), set the *MDM_Web_Pub_Engine Object* Identity to 'This User' and specify the same administrator user that is used for the DRM Server COM objects. Ensure that the authentication domain name precedes the user name, for example, *OracleDomain\DRMAdmin*.

- In DCOM, verify the *MDM_Web_Pub_Engine Object* properties in Security > Launch and Activation Permissions.

- In DCOM, verify the *MDM_Web_Pub_Engine Object* properties in Security > Access Permissions.

- In IIS Manager, disable Anonymous Access for the mdm_web virtual directory.

- Reset the password for the Internet Guest Account (IUSR) in Windows and then for the same user in the mdm_web virtual directory's Directory Security > Authentication and Access Control anonymous access.

- Set the mdm_web virtual directory's Directory Security > Authentication and Access Control anonymous access user to the same administrator user that is used for the DRM Server COM objects.

Retrieval Performance for Large Child Lists

Users may experience a noticeable delay when attempting to retrieve a large list of children for a parent node during navigation in the hierarchy or node selector windows. Users can avoid this constraint by adding intermediate limb nodes in between the parent and the child nodes to reduce the number of children for any given parent node.

Memory Limits of 32-bit Application

As a 32-bit application, Data Relationship Management is constrained by the operating system to support no more than 2 GB of memory per engine. In some scenarios, this can present a limitation to the size of the data sets that the product can support. Although the memory optimization offered initially in the 9.3.2 release should provide significant reduction in memory used when compared to previous releases, some customers with very large data sets may still experience this limitation. Versions that are not in use should be closed or deleted regularly to control engine memory usage on the application server.

Defects Fixed in this Release

If you are coming from Release 11.1.1.0, 11.1.1.1, or 11.1.1.2, use the Defects Fixed Finder tool to review the list of defects fixed between those releases. This tool is available here:

https://support.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=1292603.1

The following issues were resolved in this release:

Defect Number	Defect Fixed
• 12717238	The order of property queries randomly changes.

Documentation Updates

Corrections to User's Guide

In the *Data Relationship Management User's Guide*, note the following changes:

- On page 115, the text in the first bullet should be replaced with this:

  Repeat Num Property defines a local-level integer property that repeats a node within an export structure. For example, given an A-B-C parent-child hierarchy, if a Repeat Num Property has a value of 2 for node B and a value of 1 for nodes A and C, then the export looks like A,B,B,C (node B is repeated twice.). Note when using a Repeat Num Property, the value must be set to at least 1 for nodes to be included in the export results. Setting the Repeat Num Property's Default Value to 1 is recommended.

- On page 115, the text in the second bullet should be replaced with this:

  The Bottom Level Property and the Bottom Level Value determine the maximum depth of the export structure. This value can be defined as a hierarchy-level integer property (Bottom Level Property) or as an absolute value (Bottom Level Value.)

- On pages 114 and 119, the last bullet on each page is no longer valid.
- On pages 115 and 120, the text in the second bullet should be replaced with this:

  For the implicitly shared node, the Parent properties will reflect the values of the actual node, i.e. the primary node. For example, if your export includes the Parent Node property for an implicitly shared node, it will show the parent as the primary node, not the shared node.

Accessing Hyperion Product Documentation

The most recent version of each Hyperion product guide is available for download from the Documentation area of the Oracle Technology Network (OTN) Web site (http://www.oracle.com/technetwork/index.html). Deployment-related documentation is also available from the Oracle E-Delivery Web site (https://edelivery.oracle.com/). Individual product guides are available for download on the Oracle Technology Network (OTN) Web site only.

Note: Not all of the documentation for this product has been updated from Release 11.1.1.1 or 11.1.1.2. Similarly, the product UI may not have been updated since these releases.

Documentation for Other Hyperion Products

If you are installing Hyperion products other than Oracle® Hyperion Data Relationship Management, the following documentation may be helpful. Individual product installation guides are replaced by the following guides:

- *Oracle Hyperion Enterprise Performance Management System Installation Start Here*

- *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Guide*

- *Oracle Hyperion Enterprise Performance Management System Security Administration Guide*

- *Oracle Hyperion Enterprise Performance Management System High Availability Guide*

You might also need one or more of the following guides:

- *Oracle Hyperion Enterprise Performance Management System Manual Deployment Guide*

- *Oracle Hyperion Enterprise Performance Management System Installation and Configuration Troubleshooting Guide*

- *Oracle Hyperion Enterprise Performance Management System Backup and Recovery Guide*

- *Oracle Hyperion Enterprise Performance Management System Lifecycle Management Guide*

- *Oracle Hyperion Enterprise Performance Management System SSL Configuration Guide*

Accessibility Considerations

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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