

Oracle® Enterprise Manager

Enterprise Manager for Oracle Utilities Application

Release Notes

E27033-04

December 2014

Enterprise Manager for Oracle Utilities Application extends Oracle Enterprise Manager Cloud Control to allow monitoring and management of Oracle Utilities Application Framework-based products on remote servers.

When Enterprise Manager for Oracle Utilities Application is deployed, the following features and capabilities are available:

- Product discovery
- Target monitoring
- Environment assessment
- Environment cloning
- Patch identification and installation
- Patch migration from one environment to another
- View product configuration files

This document describes new features and known issues in this release of Enterprise Manager for Oracle Utilities Application.

NOTE: Prior versions of this product were released as Application Management Pack for Oracle Utilities. Please note that any references to Application Management Pack for Oracle Utilities that may occur within this document or in images within this document refer instead to the product's new name, Enterprise Manager for Oracle Utilities Application.

Preface

Related Documentation and Resources

The **Help** menu provides links to **Enterprise Manager Help**, **Oracle Online Documentation**, **Oracle Online Forums**, and the **Oracle Technology Network (OTN)**, where the complete documentation for Oracle Enterprise Manager 12c is available.

This document and other Enterprise Manager for Oracle Utilities Application-specific documentation is available on the *Oracle Utilities* section of the **Oracle Technology Network (OTN)** documentation site.

Additional information on Oracle Enterprise Manager-specific features and functionality relating to this product is available in the [Enterprise Manager Cloud Control Documentation](http://docs.oracle.com/en/enterprise-manager/) (<http://docs.oracle.com/en/enterprise-manager/>).

NOTE: The documentation that accompanies this product is subject to revision and updating. Additional information that may relate to the functionality and features in this product may be found on My Oracle Support (MOS) at <https://support.oracle.com> (sign-in required). To find all articles relating to this product, enter the search term "Enterprise Manager for Oracle Utilities Application" (or for related articles, search on the product's previous name, "Application Management Pack for Oracle Utilities").

New Features and Functionality

Important Information Regarding OMS/Agent Deployment and Previous Versions of the Plug-in

If previous versions of the plug-in have been deployed to OMS or the agent, they must be undeployed before installing this release. Undeploy is required even if the intention is to upgrade the plug-in along with the Enterprise Manager upgrade. There will be no warning issued during the EM upgrade process that older versions of the plug-in need to be undeployed from OMS or the agent.

The following new features and functionality are available in this release of Enterprise Manager for Oracle Utilities Application. Please refer to the product installation and administration documentation for more information about these features.

New Target Model and Custom Discovery

This version of the plugin now models the following target types:

- Web Application
- Web Service
- Batch Server
- Oracle Utilities Home

During custom discovery, these targets become members of an environment system target.

IMPORTANT: It is important to note that due to major differences in the target model in this release of the plug-in, the metrics collected previously do not translate to the new model. Thus, deploying this plug-in results in loss of historical data collected by the previous plugin releases.

Fusion Middleware Integration

The Web Application and Web Service targets are discovered and integrated with the WebLogic domain/Fusion middleware using the target guided discovery process.

JMX Based Discovery and Monitoring Credentials

Information about Web Application, Web Service and Batch Server targets are also obtained via JMX.

Monitoring credentials must therefore be configured for these targets.

Performance Monitoring

The target home pages for Web Application, Web Service and Batch Server targets contain monitoring information.

Personalizing Pages Using a Metrics Region

A metrics region may be added and specific metrics displayed for frequently viewed metrics.

Deployment Procedure Based Patching

Patching is now performed using deployment procedures.

Storing of Database Credentials

Database credentials and associated roles must be stored in a named credential. This is then referenced during patch installation/migration.

Database Connectivity Status

This has been removed. The database status should be checked using the database plugin.

Support for OUAF 4.3.0.*-based Products

This release adds support for Oracle Utilities Application Framework release 4.3.0.*-based products.

Support for these products includes, but is not limited to, the ability to perform the following for OUAF 4.3.0.*-based environments:

- Discovery and promotion.
- Start and stop.
- View configuration and log files.
- Clone.
- Patch import, install, and migrate.

Support of Patches Containing the FW4.* Service Packs

In FW 4.*, service packs packaged according to the new service pack model and bundled with a Metadata.xml file can be installed. For additional information, see "SP Installation" in the known issues section.

Known Issues

Known Issues: Enterprise Manager for Oracle Utilities Application

The following are known issues in this release of Enterprise Manager for Oracle Utilities Application.

Missing Source Targets in Patch Migration

In earlier releases, a delay in the gathering of configuration metrics results in an incomplete list of products installed. This can result in missing source targets in such as patch migration. To immediately load the product information, go to **Oracle Utilities Home > Configuration > Last Collected** , and press the **Refresh** button.

Permissions on Agent Installation

Permission issues occur if the agent installation user does not have the proper privileges. It is recommended that the agent be deployed using the same user name as the OUAF admin user. Alternatively, use the privilege delegation setting during agent installation and configuration of the host. Please refer to the EM agent documentation.

Authentication

This version of Enterprise Manager for Oracle Utilities Application supports form-based authentication only.

SP Installation

Service pack zip files that contain bundled single fixes cannot be installed by the application management pack SP installer. [bug 17052564]

Error If Content Exceeds 1MB In View Log

When a file that exceeds 1MB is being viewed, an error occurs. This will be fixed in the next release. [bug 20270591]

Unrelated/Incorrect Targets are Promoted When Desired Targets are Promoted

This issue results when cloning/copying a database and there are invalid entries in the F1_TSPACE_ENTRY table. To fix this, follow the procedure below to delete the specified old entries in the F1_TSPACE_ENTRY table:

1. Shut down the environment.
2. Connect to the database with sqlplus or similar utility and run the following SQL statement:

```
delete * from F1_TSPACE_ENTRY where TSPACE_ENTRY_TY='OEM_
TARGET'
```

3. Restart the environment.

Rediscover whenever a new server is added to the system.

Target Promotion Fails with 'Promotion failed. Unable to locate associated managed server.'

This occurs when the WebLogic domain/Fusion middleware target is not discovered correctly. The admin credentials may be incorrect. In addition, some hosts may have an IPV6 configuration that is interfering with proper promotion. In this situation, ensure that "Use Host Name in Service URL" is checked in the advanced options when discovering a WebLogic domain/Fusion middleware target.

Unable To Discover and Monitor Environment When ouaf.jmx.password.file is Encrypted

During discovery, if the password of the `$SPLBASE/scripts/ouaf.jmx.password.file` is encrypted, the environment is not discovered.

Workaround: Back up the file, replace the encrypted password with the decrypted password, and save. [bug 20295753]

WebSphere Support

WebSphere is currently not supported in this release. WebSphere support will be added in the next release.

Accessibility

No critical issues were found during accessibility testing with OGHAG and JAWS. Other issues found are documented in bug 19934027.

Known Issues: Related Products

The following are known issues in Oracle Utilities Application Framework (OUAF) that impact this release of Enterprise Manager for Oracle Utilities Application.

Required Patches for OUAF

- FW V2.2.0 19144700, 20191989
- FW V4.0.2 19144677, 20191982
- FW V4.1.0.1.0 19144669, 20193293
- FW V4.1.0.2.0 19144615, 20193266
- FW V4.2.0.0.0 19144604
- FW V4.2.0.1.0 19144583, 20193167
- FW V4.2.0.2.0 19136986, 20191973

SP Remains In the Patch List After a Successful Install

After service pack installation, the bug number of the service pack still appears after a successful installation. Even if the service pack is installed again, it will not cause any issues; on the application server side, the service pack is not reinstalled, and on the database side, re-running the scripts will have the same results. [bug 20282920]

OUAF Group Fix 1

After installing OUAF 4.1.0 Group Fix 1 (12831936), the patch still appears in the list of patches to install or migrate, since the patch does not add its own patch number to the installed fixes file. Workaround is to ignore this patch number after it has been installed. [bug 13695040]

Start Batch

For targets on OUAF 4.1.0, the Start batch job issues a "Remote operation finished but process did not close its stdout/stderr" error message, although it does in fact start up properly. [bug 3573509, OUAF copy bug 13745207]

Start/Stop Batch

For targets on OUAF 2.2.0, the Start/Stop batch jobs hangs and continues to be in the "Running" status although the job actually does start and stop properly. The job can be stopped without causing any issue. [bug 14022099, OUAF copy bug 14034334]

SSL Support

The OUAF environment cannot be discovered with SSL. This will be fixed in the next release. [bug 20290613]

Missing JVM Info on Monitoring Pages for FW2.2 Targets

JVM information does not display on monitoring pages because the system MBean is missing. [bug 20290753]

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