

Oracle® Enterprise Manager

Enterprise Manager for Oracle Utilities

Release Notes

F70361-01

January 2023

Enterprise Manager for Oracle Utilities 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 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.

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.

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-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/>).

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" (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. 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.

Target monitoring can be performed via JMX or REST API. You can prefer to use REST API if you have any firewall restrictions. JMX over REST support is enabled in FW. Details, to enable "JMX over REST" feature, are available in Installation documentation.

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 4.4.0.3.* to 4.5.0.1.0-based Products

This release adds support for Oracle Utilities Application Framework release 4.4.0.3.* to 4.5.0.1.0-based products. And also JMX over REST support is included in all these supported framework versions. Use the below bug numbers and apply the corresponding patches in the corresponding framework version.

Please apply the below patch to enable "JMX over REST":

Framework Version	Bug/Patch #
4.4.0.3.0	34829572, 34892677
4.5.0.0.0	34829604, 34892681

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

NOTE: The Clone feature is not available with native installations.

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

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

Module	Bug/Issue	Description
Batch Home Page	23146097 - COLUMN "MAX EXECUTION ERROR" IN BATCH HOMEPAGE IS OUT OF PLACE WHEN VIEWED IN IE	The Column mentioned is out of alignment when the accessibility tool is turned on.
Target availability	Bug 22918639 - NATIVE ENV TARGETS UNAVAILABLE AFTER TARGET REMOVAL THEN DISCOVERY/ PROMOTION	A native or clustered OUAF environment's web and service target availability cannot be determined by the plug-in.
Target promotion	Bug 22611107 - UNABLE TO START/STOP IN DISTRIBUTE INSTALL TARGET ENVIRONMENT	When distributed targets are promoted from a specified agent (e.g., Agent A), OEM does not honor the association with any other agent/host other than that agent. Bug 22741274 - target with remote agent using setAgent api.
Environment Home Page	IE :SYSTEM PROPERTIES TEXT IN THE ORACLE UTILITIES ENV TARGET ARE CUT OFF ACC	System properties in the home page is not visible when viewed in IE with accessibility mode turned on.
Target Home Page for native install	Monitoring issues exist in environments using localhost as the hostname.	If an environment is configured with localhost as the hostname, the following issues can occur: <ul style="list-style-type: none">• Metrics such as healthcheck are not accessible• Anything related to JMX, such as web, service, and batch target type homepages, are not available for monitoring in this release.
Cloning	Unable to Clone	Due to ADF user interface bug, we face a null pointer issue on the screen. As a workaround, you could navigate forward and backward, after which - this screen/functionality works.
Upgrade	Target Availability issues after migration to latest version	Due to OEM upgrade issue, we run into this issue. As a workaround, check the installation documentation

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.

Required Patches for OUAF

- FW V4.0.3.0 34829572,
- FW V4.5.0.0.0 34829604, 34892681 34892677

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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