

Oracle® Enterprise Manager

Enterprise Manager for Oracle Utilities

Release Notes

F27809-01

February 2020

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.

This document and other Enterprise Manager for Oracle Utilities-specific documentation is available on the [Oracle Public Sector Revenue Management](#) 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" (or for related articles, search on the product's previous name, "Application Management Pack for Oracle Utilities").

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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.

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

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.
View Config	23059015 - VIEW CONFIG FILE:FILE OUTPUT EDIT FIELD DISABLED WHEN ACCESSIBILITY IS ENABLED	A refresh issue occurs in OEM when accessibility is turned on. Base bug: 21118929-UI giving error "ID: emT:ch_aot1 was not registered for Active Data.
Log Viewer	22348087 - NON RESPONSIVE DOWNLOAD BUTTON	Buttons on the log viewer landing page are not supported by the plug-in. Base bug: 22368749-Can't disable unused buttons on the main page of log viewer
Log Viewer	22339446 - DISTORTED DISPLAY WHEN CLICK EXPORT MESSAGES TO FILE	Buttons on the log viewer landing page are not supported by the plug-in. Base bug: 22368749-Can't disable unused buttons on the main page of log viewer
Batch	Batch Server JMX authentication has issues.	Apply the appropriate FW bugs to resolve the batch JMX authentication issues: <ul style="list-style-type: none"> 4.2.0.2.0: 22690624 4.2.0.3.0: 23017951 4.3.0.0.1: 23017931 4.3.0.1.0: 22937552 4.3.0.2.0: 22997949
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.

Module	Bug/Issue	Description
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.
Start / Stop	Batch mode is missing	In Target properties batch mode is blank, it can be manually entered and saved.

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 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, 22384170, 22690624
- FW V4.3.0.1.0 22384155, 22937552

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]

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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