

Oracle® Enterprise Performance Management System

Readme

Release 11.2.25.0.000

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Oracle Enterprise Performance Management System Release 11.2.25.0.000 Readme

Purpose

This document includes important, late-breaking information about this release of Oracle Enterprise Performance Management System. Review this Readme thoroughly before installing EPM System.

Overview

This Quarterly Release Update is distributed as an OPatch containing OPatches for individual EPM system components. Release 11.2.25 is a cumulative update that includes all updates from Release 11.2.15. This update can be applied on top of any release from 11.2.15 onwards.

For a list of OPatches for individual EPM system components, see [OPatch Dependencies and Details](#).

Oracle recommends that you read the 11.2.25 Readme Guide in its entirety before applying the patch to Release 11.2.25.

Release 11.2.25 (Release 11.2, Update 25) includes the following deliverables:

- Oracle Enterprise Performance Management System - 11.2.25.0.000 for Microsoft Windows x64 (64-bit)
- Oracle Enterprise Performance Management System - 11.2.25.0.000 for Linux x86-64
- Oracle Enterprise Performance Management System - Client Installers 11.2.25.0.000 for Microsoft Windows x64 (64-bit)
- Oracle Data Relationship Management 11.2.25.0.000 for Microsoft Windows (64 bit)

Note

Release 11.2.25 will not contain an Installation and Configuration guide. See [Oracle Enterprise Performance Management System Installation and Configuration Guide for Release 11.2.15](#) for more information.

EPM System Update and Upgrade Policies

See [EPM System Update and Upgrade Policies](#) for more information on update and upgrade policies for Oracle Enterprise Performance Management System.

New Features

This section includes new features in this release. To review the list of new features from earlier releases, use the Cumulative Feature Overview tool. This tool enables you to identify the products you own and your current implementation release. With a single click, the tool quickly produces a customized report of new feature descriptions. This tool is available here: <https://apexapps.oracle.com/pls/apex/f?p=20620:1:0>

Release 11.2.25 includes the following new features:

- **Feature Updates**

Table 1-1 New Features

Features	Descriptions
Oracle Linux 9 Support	<p>Oracle Linux 9 is supported for Oracle Enterprise Performance Management (EPM) System Release 11.2.25.</p> <p>For more information, see Oracle Linux 9 (UL0+) and Red Hat Linux 9 (UL0+)</p> <p>NOTE:</p> <p>Oracle HTTP Server (OHS) Prerequisites for Oracle Linux 9 and RHEL 9.</p> <ul style="list-style-type: none">– Install compat-libpthread-nonshared-2.28-251.0.2.e18_10.2.x86_64.rpm– Install libaio-devel-0.3.111-13.e19.x86_64.rpm– Install libclntshcore.so.12.1 (For SSL Enabled Environment), before applying OHS patches
Microsoft Azure Support	<p>Starting from the EPM Release 11.2.24, EPM applications are supported on Microsoft Azure with Oracle Database (see Working with EPM Oracle Databases on Microsoft Azure).</p>

Table 1-1 (Cont.) New Features

Features	Descriptions
Oracle Database 26ai Support	<p>Oracle Database 26ai is officially certified and supported. See Oracle AI Database 26ai.</p> <p>For new installations:</p> <ul style="list-style-type: none"> – Install Oracle EPM System Release 11.2.15 – Apply Update to Release 11.2.25 – Then configure the EPM System with Oracle Database 26ai. <p>For existing deployments upgrading to Oracle Database 26ai, refer to the Oracle AI Database Upgrade Guide 26 documentation</p>
Security Administration User Interface Enhancement	<p>Supports extended characters, enabling unassignment of users, groups, roles with special characters "ó" from native and external directories.</p> <p>For more information, see Using Special Characters</p>
Financial Management Features	<p>This update includes two new features for Financial Management:</p> <ul style="list-style-type: none"> – Audit Feature for Ownership Calculation – Audit Feature in Data Form for Cell Text Entry <p>Review the Financial Management Features.</p>

- **Patches and Updates**

Table 1-2 Bundled Patch Updates

Component	Version
Java	Java 8 Update 481
Essbase	21.8.1
WebLogic	Patch Set Update 12.2.1.4.260106
Application Development Framework (ADF)	<p>Bundle Patch 12.2.1.4.250822</p> <p>Note: Important UI Changes in ADF Patch Update</p> <p>To enhance EPM application accessibility in alignment with the latest Oracle Accessibility Guidelines (OAG).</p> <p>The ADF patch update increases row heights and spacing across various EPM applications, including HFM, FDMEE, Planning, and Reports, to improve usability for users with accessibility needs. While these changes align with accessibility standards, they may result in fewer visible rows per page and increased scrolling.</p>

Table 1-2 (Cont.) Bundled Patch Updates

Component	Version
Oracle HTTP Server (OHS) 19c	<ul style="list-style-type: none"> – Bundle Patch 12.2.1.4.260116 – Bundle Patch 12.2.1.4.251117 – Database Release Update 19.29.0.0.0 For FMW Database Client.
Oracle Data Integrator (ODI)	No patches in this release

- For details on new features introduced in previous versions, see [New Features: 11.2.8 - 11.2.24](#).

Financial Management Features

- **AUDIT FEATURE FOR OWNERSHIP CALCULATION**

In HFM, an entry should be logged in the Task Audit when the Calculate Ownership process starts and another entry when the process completes successfully. This provides a clear audit trail showing when the task was initiated and when it finished, helping administrators monitor execution and troubleshoot issues if needed.

- **AUDIT FEATURE IN DATA FORM FOR CELL TEXT ENTRY**

In HFM, when a user enters or updates cell text in a data cell, the system should log "Cell Text Entry" in the **Task Audit**. This helps track when the action occurred and which user performed it, improving traceability and auditing of user activity.

Financial Management Platform-Independent Release

On **May 22, 2024**, Microsoft announced the **deprecation of VBScript** along with its timeline. See [VBScript deprecation: Timelines and next steps](#) for more details.

To support Financial Management customers in executing business logic natively, **Financial Management Platform Independent Release 11.2.21** was delivered in **April 2025**. This release introduces native script engine support in preparation for upcoming deprecations.

Table 1-3 Key Changes in 11.2.21

Change Area	Details
Server Process	Changed to ofmsvr.exe
Server Log File Name	Format: xfm_odl_srv_<appname>.log
Array Handling	Financial management script engine had inconsistency during the array handling. Array created with two different ways behave differently and returning the lbound value 0 and 1

Table 1-4 Example: Array Handling Differences

Example	Code snippet	lbound Value
Example 1	<pre>Dim A(20) for i = lbound(a) to ubound(a) next Here lbound(a) = 0</pre>	0
Example 2	<pre>myList = HS.Entity.List("", "[Ba se]") for j = lbound(myList) to ubound(myList) next Here lbound(myList) = 1</pre>	1

- As a Financial Platform independent release these inconsistencies have been addressed. The functions which return an array are impacted, for example, List, AttributeList, etc.
- Avoid hardcoding array bounds (0 or 1). Always use lbound() and ubound() as index references.

Financial Management Updates on Microsoft Engine Removal

As Microsoft has confirmed the deprecation of the VBScript engine (see [Deprecation details](#)), the Financial Management roadmap provides the plan for its removal and the introduction of an alternative with no significant impact.

Table 1-5 Microsoft Engine Removal Timeline

Release	Timeline	Windows Support	Linux Support
11.2.21	Apr 2025	Microsoft Script Engine (Default)	-
11.2.22	Jul 2025	<ul style="list-style-type: none"> • Microsoft Script Engine (Default) • Native Script Engine (Available) 	-

Table 1-5 (Cont.) Microsoft Engine Removal Timeline

Release	Timeline	Windows Support	Linux Support
11.2.23	October 2025	<ul style="list-style-type: none"> • Microsoft Script Engine (Default) • Native Script Engine (Available) 	Native Script Engine
11.2.31	October 2027	<ul style="list-style-type: none"> • Native Script Engine (Default) • Microsoft Script Engine (Critical fixes only) <p>In this release the Native Script Engine will become the default script engine. Starting from 11.2.22 to 11.2.31 release customers are advised to plan the transition from the Microsoft Script Engine to the Native Script Engine.</p>	Native Script Engine

Table 1-5 (Cont.) Microsoft Engine Removal Timeline

Release	Timeline	Windows Support	Linux Support
11.2.39	October 2029	<ul style="list-style-type: none"> Native Script Engine (Default) Microsoft Script Engine (Removed) <p>Starting from 11.2.22, till 11.2.39, customers must transition from the Microsoft Script Engine to the Native Script Engine. In release 11.2.39, the Microsoft Script Engine is removed, and is no longer an available option.</p> <p>Note: If Microsoft adjusts their timeline for the deprecation of VBScript, Oracle will align its timeline accordingly to ensure continued support for the Microsoft Script Engine, as needed.</p>	Native Script Engine

For more information on the script engine transition updates. See [Procedure to switch from Microsoft Engine to Native Script Engine](#).

Supported Platforms

Information about system requirements, browser support, supported languages and supported platforms for Oracle Enterprise Performance Management System products is available in spreadsheet format in the *Oracle Enterprise Performance Management System Certification Matrix*. This matrix is posted on the Supported Platforms Matrices page on Oracle Technology Network (OTN):

[Oracle Enterprise Performance Management System - Certification Matrix](#).

Supported Paths

Oracle recommends that you apply the set of Oracle Enterprise Performance Management System Release 11.2.25 product Opatches together, using the `ApplyUpdate` script. If you are updating from an earlier release, you must first update to Release 11.2.15.

- EPM System updates are released on a quarterly basis, generally in January, April, July, and October.
- Updates include changes for all embedded components, such as WebLogic and Java, as needed.
- Updates are applied in place.
- Any customer patches that were released are rolled into the next update.
- Updates are expected to be easy to apply and have minimum impact for you to absorb.

Installing EPM for the First Time

Before you install and configure, review the installation prerequisites and requirements listed in [Installation Prerequisites and Requirements](#).

Ensure to have the latest Visual C++ Redistributable for the Hyperion Financial Management (HFM) application. For more information, see [Upgrading VC++ from Versions 11.2.15-11.2.20 to 11.2.24](#).

Table 1-6 Installing EPM for the First Time

Task	Reference
1. <i>Optional:</i> Remove Microsoft Visual C++ 2010 (x86 and x64).	Optional: Removing Microsoft Visual C++ 2010
2. Install Release 11.2.15	Installing EPM System Products
3. Install HFM using the HFM Linux Installer (11.2.23).	Installing and Configuring HFM on Linux
4. Update RCUSchema.properties file	Updating RCU Schema Properties
5. Apply Update to Release 11.2.25	Applying Release 11.2.25
6. Configure Release 11.2.25	Configuring EPM System After Applying an Update

Updating from Release 11.2.x

Before you apply the update to Release 11.2.25, review the prerequisites and requirements listed in [Applying an Update Prerequisite Tasks](#).

Table 1-7 Updating to Release 11.2.25 from 11.2.8

Task	Reference
1. Apply Update from Release 11.2.8 to Release 11.2.12 or 11.2.13 or 11.2.14	Applying an Update to EPM System Products
2. Install Update to Release 11.2.15	Installing EPM System Products Using Apply Update
3. Apply Update to Release 11.2.25	Applying Release 11.2.25

Table 1-7 (Cont.) Updating to Release 11.2.25 from 11.2.8

Task	Reference
4. <i>Optional:</i> Remove Microsoft Visual C++ 2010 (x86 and x64).	Optional: Removing Microsoft Visual C++ 2010 <ol style="list-style-type: none"> 1. Restart your machine. 2. Redeploy all the web applications. (Under HFM, ensure that you check the Configure Application Server option. 3. Start all the services. For information about starting services, see Starting and Stopping EPM System Products in <i>Enterprise Performance Management System Installation and Configuration Guide</i> .
5. Configure Release 11.2.25	Configuring EPM System After Applying an Update

Table 1-8 Updating to Release 11.2.25 from Versions Earlier than 11.2.8

Task	Reference
1. Install Update to Release 11.2.8	Installing EPM System Products Using Apply Update
2. Apply Update from Release 11.2.8 to Release 11.2.12 or 11.2.13 or 11.2.14	Applying an Update to EPM System Products
3. Install Update to Release 11.2.15	Installing EPM System Products Using Apply Update
4. Apply Update to Release 11.2.25	Applying Release 11.2.25
5. <i>Optional:</i> Remove Microsoft Visual C++ 2010 (x86 and x64).	Optional: Removing Microsoft Visual C++ 2010 <ol style="list-style-type: none"> 1. Restart your machine. 2. Redeploy all the web applications. (Under HFM, ensure that you check the Configure Application Server option. 3. Start all the services. For information about starting services, see Starting and Stopping EPM System Products in <i>Enterprise Performance Management System Installation and Configuration Guide</i> .
6. Configure Release 11.2.25	Configuring EPM System After Applying an Update

Upgrading from Release 11.1.2.x

You can upgrade Oracle Enterprise Performance Management System Release 11.1.2.x products to Release 11.2.25.

Table 1-9 Upgrading from Release 11.1.2.x

Task	Reference
1. Upgrade from 11.1.2.x to Release 11.2.8	Upgrading EPM System
2. Apply Update from Release 11.2.8 to Release 11.2.12 or 11.2.13 or 11.2.14	Applying an Update to EPM System Products
3. Install Update to Release 11.2.15	Installing EPM System Products Using Apply Update
4. Apply Update to Release 11.2.25	Applying Release 11.2.25
5. <i>Optional:</i> Remove Microsoft Visual C++ 2010 (x86 and x64).	Optional: Removing Microsoft Visual C++ 2010 <ol style="list-style-type: none">1. Restart your machine.2. Redeploy all the web applications. (Under HFM, ensure that you check the Configure Application Server option.3. Start all the services. For information about starting services, see Starting and Stopping EPM System Products in <i>Enterprise Performance Management System Installation and Configuration Guide</i> .
6. Configure Release 11.2.25	Configuring EPM System After Applying an Update

Applying and Rolling Back Release 11.2.25

Related Topics

- [Prerequisites](#)
- [Applying Release 11.2.25](#)
- [Rolling Back Release 11.2.25](#)
- [Verifying Status](#)
- [Optional: Applying Individual OPatches](#)

Prerequisites

Table 1-10 Prerequisites for Applying Release 11.2.25

Step	Description
Disable Anti-Virus	Disable the anti-virus software before you apply Release 11.2.25 to your environment and ensure it remains disabled throughout the update process. You may re-enable it after the update is complete.
Check for Patch Conflicts	To identify any EPM patch conflicts before applying the quarterly update, enter the following command: 1. On Windows: Note: The following script must only be run with Administrator privileges. <pre>.\ApplyUpdate.ps1 <MIDDLEWARE_HOME> -verify</pre> 2. On Linux: <pre>./ApplyUpdate.sh <MIDDLEWARE_HOME> -verify</pre>
Stop Services	Stop services: <ul style="list-style-type: none">• Oracle Enterprise Performance Management System services• Node Manager Windows Service and Oracle HTTP Server, if you are using Oracle HTTP Server as your web server• WebLogic Administration Server• If Essbase is running, stop the servers. For information about stopping services, see Starting and Stopping EPM System Products in <i>Enterprise Performance Management System Installation and Configuration Guide</i> .
Back Up Folders	Back up the following folders before applying the update: <ul style="list-style-type: none">• EPM Oracle Home. The default EPM Oracle home location is <code>MIDDLEWARE_HOME/EPMSys11R1</code>.• EPM Oracle Instance. The default location for the EPM Oracle Instance is <code>MIDDLEWARE_HOME/user_projects/epmsystem1</code>. You can delete these folders after you apply the update and validate the installation.

Table 1-10 (Cont.) Prerequisites for Applying Release 11.2.25

Step	Description
Back Up Keystores	<p>Back up the keystores from:</p> <ul style="list-style-type: none"> • MIDDLEWARE_HOME\jdk\jre\lib\security\cacerts • MIDDLEWARE_HOME\EPMSysstem11R1\common\JRE\Sun\1.8.0\lib\security\cacerts <p>Note: A new version of JDK is included with every 11.2.x Release update. During this update process, existing JDK folders are removed and replaced with newer versions. After applying the Release update, you must restore the backed up keystores (cacerts).</p> <p>To import the keystores, run the following command: Once the keystores are imported, restart all the EPM services for the changes to take effect.</p> <pre>keytool -import -alias alias_name -keystore <path_to_keystore_file> -file <path_to_certificate_file> -storepass keystore_password -trustcacerts</pre> <p>See Configuring SSL-Enabled External User Directories for more information.</p>
TEMP Directory	<p>Redirecting the TEMP directory (/tmp) is not supported or feasible during the Apply Update procedure. Ensure the /tmp directory has sufficient space and the necessary permissions. Additionally, confirm that the noexec option is not set on the /tmp directory and remove it if it is enabled.</p>
Back Up Essbase ODBC Driver Configurations	<p>Essbase 21.8.1 deployment includes updated DataDirect ODBC drivers (version 8.0.2).</p> <p>You need to manually update your ODBC configuration (applies on Linux and Windows).</p> <p>For more information, see Pre-Applying Release Steps.</p>

Applying Release 11.2.25

Release 11.2.25 applies a set of OPatches for all EPM system components on your environment. Oracle recommends that you apply the entire set using the `ApplyUpdate` utility.

Ensure that you meet all the prerequisites before you apply Oracle Enterprise Performance Management System Release 11.2.25 to your environment. See [Prerequisites](#) for more details.

From the [Oracle Software Delivery Cloud \(http://edelivery.oracle.com/\)](http://edelivery.oracle.com/), select the products that you licensed and add them to the cart. All required zip files are included. Select your platform, and download the files into `/download_location`.

For the list of deliverables in Release 11.2.25 (Release 11.2, Update 25), see [Overview](#):

Unzip the files into /download_location.

- Use a zip file extraction program that can handle long path names, such as 7-Zip.
- If you are prompted that any files or common components already exist, click **Yes** to overwrite the files.
- Unzip to a directory with no spaces in the name.

Note

Essbase Manual ODBC Configurations Steps are required when configured with **SQL Server** database only.

1. To perform the **Pre-Applying Patch** Release 11.2.25:

NOTE:

The following steps are only required on the specific host where **Essbase** is installed.

You must manually back up the legacy 7.1.6 ODBC configurations to preserve them in case an Essbase version rollback is required.

- a. Locate ODBC Driver configuration files here:
 - **odbc.ini**: <Domain Root>/<Domain Name>/config/fmwconfig/essconfig/core
 - **odbcinst.ini**: <Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/7.1.6/odbcinst.ini
 - **ODBC driver libraries**: <Essbase Product Home>/modules/
 - b. Back up your existing **ODBC Driver 7.1.6** configuration files: `odbc.ini`, and `odbcinst.ini`.
2. To **Apply Patch** Release 11.2.25:
 - a. On **Windows**: Launch **Windows PowerShell** as an Administrator from the **Start** menu. Navigate to the directory where you extracted the ZIP files and run the following script. For example, navigate to 11.2.25.0-Update-Win directory and run the following script.

Note

- The following script must only be run with Administrator privileges.
- Before running the following script, ensure that you do not extract any additional OPatch ZIP folders or OPatch ZIP files under 11.2.25.0-Update-Win directory (which contains the ApplyUpdate.ps1 script) in addition to the ZIP files/folders that are already present.

```
.\ApplyUpdate.ps1 <MIDDLEWARE_HOME>
```

- b.** On **Linux**: Navigate to the directory where you extracted the ZIP files. Run the following script from the directory where you extracted the ZIP file. For example, navigate to 11.2.25.0-Update-Linux folder and run the following script:

Note

Before running the following script, ensure that you do not extract any additional OPatch ZIP folders or OPatch ZIP files under 11.2.25.0-Update-Linux directory (which contains the ApplyUpdate.sh script) in addition to the ZIP files/folders that are already present.

```
./ApplyUpdate.sh <MIDDLEWARE_HOME>
```

- 3.** To perform the **Post-Applying Patch Release 11.2.25**:
- a.** After applying Release 11.2.25, redeploy the following services:
 - **Oracle Hyperion Foundation.**
 - **Profitability and Cost Management.**
 - b.** Configure the **Web Server** including the LWA (Logical Address for Web Applications) if required.
 - c.** Manually update the Essbase ODBC Configuration for **SQL Server** database only:

Note

The following steps are only required on the specific host where **Essbase** is installed.

Essbase ODBC Configurations steps are required when configured with **SQL Server** database only.

- **Linux:**

- Open `odbc.ini` for editing.
- Replace the old driver names with new ones, providing the absolute library path in the Driver name entry.

For example, (replace *Oracle_HOME* with your system's **Oracle_HOME** path):

- * **From:** `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/7.1.6/lib/ARsqls27.so`
To: `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/8.0.2/lib/ARsqls28.so`
- * **From:** `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/7.1.6/lib/ARdb227.so`
To: `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/8.0.2/lib/ARdb228.so`
- * **From:** `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/7.1.6/lib/ARmysql27.so`
To: `Driver=<Oracle_HOME>/essbase/modules/oracle.essbase.datadirect.odbc/8.0.2/lib/ARmysql28.so`

- (Optional) replace the old driver descriptions with new ones.

From: Oracle 7.1 SQL Server Wire Protocol

To: Oracle 8.0 SQL Server Wire Protocol

- Save `odbc.ini`.
- Edit the `odbcinst.ini` file.

```
<Oracle_HOME>/essbase/modules/
oracle.essbase.datadirect.odbc/8.0.2/odbcinst.ini.
```

Example for Oracle

Where *Oracle_HOME* is your system specific installation path.

```
Driver=<Oracle_HOME>/essbase/modules/
oracle.essbase.datadirect.odbc/8.0.2/lib/Ardb228.so
```

- Save `odbcinst.ini`.

- **Windows:**

- On the Essbase Windows server, open the Windows Registry Editor (from **Start** menu, run **regedit**).
- Navigate to
`Computer\HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBC.INI.`
- Right click `ODBC.INI` and select **Export**. Save it as a backup, in case you need to roll back the OPatch. For example, save the configuration as `odbc.orig.reg`.
- Navigate to
`Computer\HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBCINST.INI.`

- Right click ODBCINST.INI and select **Export**. Save it as a backup, in case you need to roll back the OPatch. For example, save the configuration as `odbcini.orig.reg`.
- Navigate into ODBC.INI and select **essbase_datasource**
- For the entries named Driver and Description, right click and select **Modify** to update the information for all data sources.
 - * **From:** Oracle 7.1 SQL Server Wire Protocol
 - * **To:** Oracle 8.0 SQL Server Wire Protocol
- Navigate to
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\ODBC\ODBC.INI\ODBC Data Sources.
- For the entry named `essbase_datasource`.
 - * **From:** Oracle 7.1 SQL Server Wire Protocol
 - * **To:** Oracle 8.0 SQL Server Wire Protocol
- On the Essbase Windows Server, navigate to
<ESSBASE_PRODUCT_HOME>\modules\oracle.essbase.datadirect.odbc\8.0.2.
- Make a backup copy of ODBC802.reg (for example, `ODBC802_orig.reg`).
- Edit ODBC802.reg, replacing all occurrences of `$ODBC_PATH` with the absolute path of the ODBC drivers. For example:


```
<Local Drive>:\Oracle\Middleware\Oracle_Home\essbase\
modules\oracle.essbase.datadirect.odbc\
```
- Double click the edited ODBC802.reg file. This will edit the Windows registry to have entries for the DataDirect 8.0.2 drivers bundled with Essbase 21.8.1.

d. Start all services now.

For information about starting services, see Starting and Stopping EPM System Products in *Enterprise Performance Management System Installation and Configuration Guide*.

Rolling Back Release 11.2.25

Ensure that you meet all the prerequisites before you proceed with the rollback feature.

The rollback feature allows you to rollback all the OPatches except the following:

- JDK OPatches
- Weblogic CPU OPatches
- Oracle Virtual Directory (OVD) OPatch
- Oracle HTTP Server (OHS) OPatch

- Fusion Middleware (FMW) OPatches
 - FMW.ADF
 - FMW.EM
- ODBC OPatch
- Oracle Hyperion Shared Services OPatch
- Oracle Hyperion Infrastructure OPatch

To **Rollback** the update:

1. On Windows:

Launch **Windows PowerShell** from the **Start** menu as an Administrator and run the following script from the directory where you extracted the ZIP file. For example, navigate to 11.2.25.0-Update-Win directory and run the following script:

```
.\RollbackUpdate.ps1 <MIDDLEWARE_HOME>
```

Ensure that the Essbase Rollback steps are only required on the specific host where Essbase is installed.

2. On Linux:

Navigate to the directory where you extracted the ZIP files. Run the following script from the directory where you extracted the ZIP file. For example, navigate to 11.2.25.0-Update-Linux folder and run the following script:

```
./RollbackUpdate.sh <MIDDLEWARE_HOME>
```

To perform the **Post-Rollback** update:

1. After applying Release 11.2.25, redeploy the following services:
 - **Oracle Hyperion Foundation.**
 - **Profitability and Cost Management.**
2. To Rollback the Essbase version, perform these steps:

Note

Ensure that the **Essbase** Rollback steps are only required on the specific host where **Essbase** is installed.

- **To Rollback Essbase on Windows:**
 - a. Delete the ODBC.INI registry entry.
 - b. Double click odbc.orig.reg and previous entries will be restored.
Alternatively, you can import or merge the registry entries.
 - c. Delete ODBCINST.INI registry entry.

- d. Double click the `odbcinst.orig.reg` and previous entries will be restored. Alternatively, you can import or merge the registry entries.

- **To Rollback Essbase on Linux:**

- a. Restore the `ODBC.INI` configuration.

From:

```
cd <Domain Root>/<Domain Name>/config/fmwconfig/essconfig/core
--odbc_ini_orig
```

To:

```
cd <Domain Root>/<Domain Name>/config/fmwconfig/essconfig/core
--odbc_ini
```

- b. Restore `ODBCINST.INI` configuration.

From:

```
cd <Oracle_HOME>/essbase/modules/
oracle.essbase.datadirect.odbc/7.1.6/odbcinst.ini
```

To:

```
cd <Oracle_HOME>/essbase/modules/
oracle.essbase.datadirect.odbc/8.0.2/odbcinst.ini
```

Note

See [ODBC Configuration File Path Details](#).

- 3. **Start** all services now.

For information about starting services, see Starting and Stopping EPM System Products in *Enterprise Performance Management System Installation and Configuration Guide* .

Verifying Status

You can check the status of the ApplyUpdate or Rollback script by following one of the steps below:

- 1. Open Oracle Enterprise Management System Workspace, click **Help > About Oracle Enterprise Performance Management System Workspace, Fusion Edition > Show Details**.

- 2. Check the inventory for Oracle Enterprise Performance Management (EPM) OPatches. To check the inventory for EPM OPatches, enter the following command in one line:

Before running this command, ensure that you change the directory from the command line to : `<MIDDLEWARE_HOME>\EPMSysystem11R1\OPatch`

- **On Windows:** `opatch lsinventory -oh <MIDDLEWARE_HOME>\EPMSysystem11R1 | findstr /i /L /c:"Patch"`

- **On Linux:** `opatch lsinventory -oh <MIDDLEWARE_HOME>\EPMSys11R1 | grep "Patch[][]"`

Sample Output:

```
D:\Oracle\Middleware\EPMSys11R1\OPatch lsinventory -oh
D:\Oracle\Middleware\EPMSys11R1\OPatch | findstr /i /L /c:"Patch"
Patch 33727616      : applied on Sun Feb 20 23:39:56 PST 2024
Patch 33678607      : applied on Sun Feb 20 23:36:01 PST 2024
Patch 33093748      : applied on Sun Feb 20 23:35:18 PST 2024
Patch 32720458      : applied on Sun Feb 20 23:34:51 PST 2024
```

3. Check the inventory for Oracle Fusion Middleware (FMW) OPatches. To check the inventory for FMW OPatches, enter the following command in one line: Before running this command, ensure that you change the directory from the command line to : `<MIDDLEWARE_HOME>\OPatch`

- **On Windows:** `opatch lsinventory -oh <MIDDLEWARE_HOME> | findstr /i /L /c:"Patch"`
- **On Linux:** `opatch lsinventory -oh <MIDDLEWARE_HOME> | grep "Patch[][]"`

Sample Output:

```
Oracle Interim Patch Installer version 13.9.4.2.7
OPatch version      : 13.9.4.2.7
OPatch detects the Middleware Home as "D:\Oracle\Middleware"
Patch 33727616      : applied on Tue Apr 12 19:02:01 EDT 2024
Unique Patch ID:    24578917
Patch description:  "WLS PATCH SET UPDATE 12.2.1.4.220105"
Patch 33678607      : applied on Tue Apr 12 18:59:04 EDT 2024
Unique Patch ID:    24558585
Patch description:  "RDA release 20.4-20211126 for OFM SPB"
Patch 33093748      : applied on Tue Apr 12 18:58:36 EDT 2024
Unique Patch ID:    24325771
Patch description:  "One-off"
Patch 32720458      : applied on Tue Apr 12 18:58:19 EDT 2024
Unique Patch ID:    24558359
Patch description:  "JDBC 19.3.0.0 FOR CPUJAN2022 (WLS 12.2.1.4, WLS 14.1.1)"
Patch 1221412       : applied on Tue Apr 12 18:57:54 EDT 2024
Unique Patch ID:    24516660
Patch description:  "Bundle patch for Oracle Coherence Version 12.2.1.4.12"
Patch 33697227      : applied on Tue Apr 12 18:54:58 EDT 2024
Unique Patch ID:    24560598
OPatch succeeded.
```

4. Check the inventory for Oracle HTTP Server (OHS) OPatches. To check the inventory for OHS OPatches, enter the following command in one line:

```
C:\Oracle\Middleware\ohs\OPatch>opatch.bat lsinventory -oh
C:\Oracle\Middleware\ohs | findstr /i /L /c:"Patch"
```

The log file details and location of the files are described in the table below:

Table 1-11 Log Names and Location

Script	Summary Log File Name	Detail Log File Name	Location
ApplyUpdate	ApplyUpdateSummary.log	ApplyUpdateDetail- <Day>.<DD>.<MM>.<YYYY>- <HH>.<MI>.<SS>.log	<EPM_ORACLE_HOME>/diagnostics/ logs/install/
RollbackUpdate	RollbackUpdateSummary.log	RollbackUpdateDetail- <Day>.<DD>.<MM>.<YYYY>- <HH>.<MI>.<SS>.log	<EPM_ORACLE_HOME>/diagnostics/ logs/install/

Summary log contains the status of each product OPatch and detail log contains the detailed information about the status of each OPatch applied along with the OPatch output. For more details on OPatches Common Error Messages, tips and troubleshooting, see [Tips and Troubleshooting](#).

Optional: Applying Individual OPatches

Oracle recommends that you apply the set of Oracle Enterprise Performance Management System Release 11.2.25 product OPatches together, using the ApplyUpdate script. See [Applying Release 11.2.25](#) for more details.

However, you can also apply selected OPatches based on your operating system environment:

Note

It is recommended to take a back up of the original `configure<OS>.properties` file before you edit the properties file for the desired OPatches.

1. From the directory where you downloaded and extracted the 11.2.25.0-Update-<OS> folder, open `configureWindows.properties` or `configureLinux.properties` file based on your operating system.
2. In the `configure<OS>.properties` file, include only those products that you want to apply. For example, if you want to apply Oracle Hyperion Calculation Manager OPatch, ensure that the entry `CALC=38935980` is present in the `configure<OS>.properties` file. The list of individual products and their OPatch IDs in the `configure<OS>.properties` file are listed below:
 - `CALC=38935980`

- FCM=38844120
- FDMEE=38933615
- FR=38916337
- HFM=38893212
- HP=38925602
- HPCM=38824504
- HSS=38880066
- Infra=38880070
- InfraCommon=38996464
- TAXPROV=38917269
- Workspace=38866449

For more details on individual EPM system products, OPatch ZIP file names and OPatch IDs, see [OPatch Dependencies and Details](#).

3. Run the `ApplyUpdate` Script to apply the individual OPatch:
 - On **Windows**:

Note

The following script must only be run with Administrator privileges.

```
ApplyUpdate.ps1 <MIDDLEWARE_HOME>
```

- On **Linux**:

```
ApplyUpdate.sh <MIDDLEWARE_HOME>
```

Note

For additional information, refer to your individual OPatch Readme Guide.

OPatch Dependencies and Details

The following table lists the set of OPatches and dependencies for individual EPM system components:

Table 1-12 OPatch Details

Product	Product OPatch ID	OPatch Dependency - Component	OPatch Dependency - ID
Oracle Hyperion Calculation Manager (CALC)	38935980	NA	NA
Oracle Hyperion Financial Data Quality Management Enterprise Edition (FDMEE)	38933615	NA	NA
Oracle Hyperion Financial Close Management (FCM) Note: Oracle Hyperion Tax Governance is included in this OPatch.	38844120	NA	NA
Oracle Hyperion Financial Management (HFM)	38893212	ADF	38348152
		WebLogic	38820898
Oracle Hyperion Financial Reporting (FR)	38916337	NA	NA
Oracle Hyperion Planning (HP)	38925602	NA	NA
Oracle Hyperion Profitability and Cost Management (HPCM)	38824504	NA	NA
Oracle Hyperion Shared Services (HSS)	38880066	Oracle Hyperion Infrastructure (Infra)	38880070
Oracle Hyperion Infrastructure (Infra)	38880070	Oracle Hyperion Shared Services (HSS)	38880066
Oracle Hyperion Infrastructure (Infra) Commons	38996464	NA	
Oracle Hyperion Tax Provision (TAXPROV)	38917269	NA	NA
Oracle Hyperion Enterprise Performance Management Workspace (Workspace)	38866449	NA	NA

Error Correction Policy

This topic outlines the error correction policies for Oracle Enterprise Performance Management (EPM) Release 11.2.x.

For information on the **Oracle Enterprise Performance Management Error Correction Policy**, visit these My Oracle Support articles:

- Oracle Enterprise Performance Management (EPM) 11.2 Software Error Correction Policy [[Doc ID 2749950.1](#)]
- Oracle Enterprise Performance Management (EPM) Release 11.2 Grace Periods for Error Correction [[Doc ID 2627593.1](#)]
- Oracle Hyperion Financial Management Error Correction will be OPatch based.

Defects Fixed

Release 11.2.25 resolves the following defects:

Table 1-13 Defects Fixed in 11.2.25

Defect Number	Description
Oracle Hyperion Financial Management	
38545881	HFM CONSOLIDATIONS SLOWER AFTER UPGRADE TO 11.2.22
39010556	HFM CONSOLIDATIONS NOT RUNNING IN THE ORDER SUBMITTED
38775985	CONSOLIDATION PERFORMANCE DECREASED BY 10% AFTER UPGRADE TO 11.2.21 FROM 11.2.10
38027773	HFM 11.2.20, APPLICATION IS NOT SHUTTING DOWN WHEN CLUSTER CONTROLLER CONNECTION(S) ARE DROPPED AS EXPECTED
38987298	HFM 11.2.24, ALIGNMENT OF MEMBERS IN DATA GRIDS HAVE CHANGED FROM TOP TO CENTERED IN HEIGHT
38493354	HFM 11.2.21 SLOWER COMPARED TO 11.2.19
28297648	DATA EXTRACT IS EXTRACTING OTHER LINE ITEMS OUT OF POV
38986657	DIFFERENCE BETWEEN BSL AND MS VBSCRIPT RULES, NATIVE SCRIPT BSL - ASSIGNING VALUES TO ARRAY WITH PARENTHESIS - RULES ERROR
38950578	HFM 11.2.24 WEBFORM AUTO REFRESH NOT WORKING WHEN USER RUNS CALCULATE IN FORM USING THE CONTEXT MENU
38916926	UNABLE TO EDIT CELL LINE ITEM DETAIL IF DESCRIPTION WAS SAVED WITH A TAB KEY CHARACTER AT THE END
38672832	HFM NOINPUT RULES MUCH SLOWER AFTER UPGRADE TO 11.2.21+
38732925	HFM 11.2.22 SMARTVIEW REFRESH ERROR: EPMHFM-7338: AN INVALID PARAMETER WAS PASSED TO A FUNCTION
37573317	CHINESE CHARACTERS IN APPLICATION DESCRIPTION APPEAR AS GARBLED TEXT
38794470	HFM 11.2.21: AFTER UPGRADE FROM 11.1.2.3, UNABLE TO PROMOTE PRIOR PERIODS, ERROR "EPMHFM-65716: THE SYSTEM WAS UNABLE TO PERFORM THE REQUESTED TASK"

Table 1-13 (Cont.) Defects Fixed in 11.2.25

Defect Number	Description
38545806	SMARTVIEW IN 11.2.21 WHEN SESSION TIMEOUTS ERRORS OUT ""USER AUTHENTICATION NEEDED. SIGN ON"
39019689	BLANK REPORT OUTPUT ISSUE AFTER IN PLACE UPGRADE FROM 11.2.20 TO 11.2.23
38127032	ADD JOURNAL LABEL OR DESCRIPTION OF JOURNAL VOUCHER IN DATA AUDIT
Oracle Hyperion Financial Reporting	
38732331	Issue with file export failing to download Excel when using related content and default output is set to PDF.
Oracle Hyperion Financial Data Quality Management	
39088802	UNABLE TO EXPORT DATA TO HFM APPLICATION REGISTERED WITH PREFIX IN FDMEE
Oracle Hyperion Financial Close Management	
38899135	ARM Allow downloading files with no content
39069377	ARM Allow drilling to balance detail when the account segments contain special characters
39028674	FCM Support both single sign-on and native logins at the same time
Oracle Hyperion Planning	
37753524	User may get an error when the approvals feature is accessed from SmartView.
38712289	User may get an error when pasting blank/null values for smartlist cells in Planning data form
33206035	When a business rule attached to Planning data form is invoked from 'Calculate Rules on Form' in SmartView, incorrect Runtime Prompt values may be used.
36018913, 36082904	Accessibility issues in Planning.
Oracle Hyperion Enterprise Performance Management Workspace	
38894114	Unable to use space bar while entering filter criteria to filter groups or users as space bar treated like enter key.
37551252	Explore module loses focus when arrow navigating folders while jaws running.
36534763	Server error messaging is not announced by screen reader or not focused.

See [Defects Fixed: 11.2.0 - 11.2.24](#) for the list of cumulative defects fixed starting from Release 11.2.0.

Known Issues

Release 11.2.25 includes the following known issues.

Table 1-14 Known Issues in 11.2.25

Defect Number	Description
Oracle Hyperion Infrastructure Technology	
39186085	<p>In EPM 11.2.20 and later, Oracle HTTP Server (OHS) may purge previously rotated OHS access and admin logs from httpConfig\ohs\servers\ohs_component\logs during OHS startup, which can cause archived logs required for auditing to be missing.</p> <p>Workaround: To set the retention value to 0 in both httpd.conf and admin.conf to disable log purging.</p> <p>For example:</p> <ul style="list-style-type: none"> • CustomLog " \${PRODUCT_HOME}/bin/odl_rotatelogs \${ORACLE_INSTANCE}/servers/\${COMPONENT_NAME}/logs/access_log 43200 0" common • CustomLog " \${PRODUCT_HOME}/bin/odl_rotatelogs \${ORACLE_INSTANCE}/servers/\${COMPONENT_NAME}/logs/admin_log 43200 0" common <p>For more information, see Unexpected Purging of Older Oracle HTTP Server (OHS) Logs at Startup in <i>Installation and Configuration Troubleshooting Guide</i></p>
39007726	<p>After applying Essbase 21.8.1 and then rolling back (downgrading) to an Essbase version earlier than 21.8, applications that were created or last updated on 21.8.1 may not be displayed in the EAS Console. This happens because pre-21.8 Essbase versions cannot interpret the encrypted metadata introduced in 21.8.x, which can cause the application's EAS Managed setting to be cleared during the rollback. After re-enabling EAS management, the applications correctly reappear and can be administered in EAS as expected.</p> <p>Workaround: In the Essbase Web User Interface (or using the Essbase REST APIs), re-enable the EAS Managed flag for the affected application. For more information, see Manage Applications Using EAS Lite</p>
39039397	<p>After upgrading to Essbase 21.8.1 (for example, via EPM 11.2.25 update), the required SQL/ODBC configuration is not automatically applied, which can cause issues in EPM products that rely on Essbase connectivity.</p> <p>Workaround: Perform the manual ODBC configuration steps documented for Essbase 21.8.1 upgrades. The specific steps vary depending on your operating system. See Upgrade to Essbase 21.8 Requires Manual ODBC Configuration</p>

Table 1-14 (Cont.) Known Issues in 11.2.25

Defect Number	Description
38442505	<p>In distributed EPM deployments where Foundation is installed on one machine (hostname1) and other components (Planning/CalcManager, and so on) are installed on a different machine (hostname2), the generated <code>startManagedWebLogic.sh</code> script may contain an incorrect WebLogic Server URL that points to hostname2 instead of the Foundation (AdminServer) host (hostname1).</p> <p>Workaround: Edit <code><EPM_ORACLE_INSTANCE>/user_projects/domains/EPMSysstem/bin/startManagedWebLogic.sh</code> and update <code>ADMIN_URL</code> to use the correct AdminServer host/port (for example, change <code>http://<hostname2>:7001</code> to <code>http://<hostname1>:7001</code>)</p>
39084422	<p>During database re-hosting on single and distributed Windows deployments, the Essbase CHGHOST utility on the Essbase Virtual Machine (VM) may report an ODI T2P plugin error. This message is ODI related and does not impact Essbase re-hosting when ODI is not used.</p> <p>Workaround: If you are not using ODI, ignore the ODI error and continue the re-hosting procedure.</p>
38584088	<p>Creating a new Taskflow with the browser language set to French Canadian results in an error due to missing variables. The Taskflow works as expected when the browser language is set to English, but it fails in other languages.</p>
38257991	<p>In HFM environments upgraded to 11.2.19 or later, users with their browser language set to Italian experienced errors when editing task flow start dates. The system displayed dates in DD/MM/YYYY format, but saving triggered an Invalid start date format.</p> <p>Workaround: Ensure to use DD/MM/YYYY format to avoid "Invalid month value" error.</p>
Oracle Hyperion Planning	
39010704	<p>Creating the Planning Application such as Sample Vision could fail on Microsoft SQL Server due to an Essbase SQL Server ODBC driver configuration issue, which caused Essbase errors during artifact import and resulted in incomplete application creation.</p> <p>Workaround: You must ensure to manually configure Essbase ODBC driver so that Planning application is created successfully with all data. See Upgrade to Essbase 21.8 Requires Manual ODBC Configuration</p>
Oracle Hyperion Financial Reporting	
NA	<ul style="list-style-type: none"> • Prepositions used in search strings are not working. For example, when you search: <ul style="list-style-type: none"> – "StockAgeing_analysis by BS", if you remove "by" it works. – "PL by entities", search string "PL entities" works fine • When using the search feature, ensure the search text field on Workspace's top right side has the intended search string, or if using Advanced Search this top right search field is empty; otherwise, it will append the previous search text and the new search text.
Oracle Hyperion Profitability and Cost Management	

Table 1-14 (Cont.) Known Issues in 11.2.25

Defect Number	Description
38966131	<p>When importing an application template, the Import Template dialog allows you to select from the Essbase clusters that are defined for the environment. However, the selected cluster value doesn't always get saved as it should, and is then treated as NULL during the import. This results in failure to create the Essbase cube during template import, and hence failure to load the input data if present. The Template Import job will show Success status, even though the cube and the input data weren't imported. Note that this problem only occurs with Template Import. The Essbase Cluster is correctly saved when creating a new application from scratch.</p> <p>Workaround: If you experience this issue, you can follow these steps:</p> <ol style="list-style-type: none"> 1. Open the application and in Model Summary, Model Level Preferences, select the appropriate Essbase Cluster value and save the change. 2. Go to Manage Database > Essbase Deploy and deploy the cube. 3. Extract the InputData text file from the template, then import it using Manage Database > Data Load.
35715398	<p>Because of an Essbase Error (1290010) in Essbase 21c, calculations for one or more POVs are unsuccessful. This is caused when an allocation or other calculation script runs longer than the time allowed by the current Essbase configuration. Workaround: Add the following lines to the essbase.properties file to prevent the timeout:</p> <ul style="list-style-type: none"> • olap.server.netSocketTryInfinite=false • olap.server.netRetryCount=144000 (144000 is equivalent to 8 hours) <p>For more details, see the Provider Services Configuration chapter in Configuration Reference for Oracle Essbase.</p>
35743432	<p>Member formulas requiring double quotes in their syntax can be imported in Update Dimension by using double double quotes around the formula. However, if that dimension is later exported using Export Dimension, those formulas will each be exported with only a single set of double quotes. To re-import that dimension using the exported the file, the file must be edited to re-add the extra set of double quotes for each formula that requires double quotes in its syntax.</p>
38412133	<p>Occasionally, a deploy cube failure occurs when using an APS Essbase connection in a Windows distributed environment configured for SSL. As a workaround, use an embedded Essbase connection to complete the deploy operation successfully.</p>

Table 1-14 (Cont.) Known Issues in 11.2.25

Defect Number	Description
36888486	<p>By default, Profitability and Cost Management supports up to 15 Management Ledger applications. This limit is in place because Management Ledger applications use a dimension cache to accelerate UI interactions and improve the performance of batch jobs. During the startup of the Profitability service, the cache for all existing Management Ledger applications is loaded. The limit prevents out-of-memory errors during service startup, and long service startup times. Starting in Release 11.2.19, the applications limit is controlled by a user-configurable governor which allows you to increase this limit, provided the server is configured with sufficient memory. Contact Oracle Support if you need access to this governor.</p>
35889576	<p>When you install Profitability and Cost Management on Linux using a language other than English, only that language will be functional for end users in the UI, even after you select a different language in the browser settings.</p> <p>When you install on Linux using English, all supported languages will be available for end users, by changing the language in the browser settings. This problem is not known to affect Windows installations.</p>
36198484	<p>For clustered environments where there are more than one managed Profitability instance, e.g. Profitability0 and Profitability1, there is an installation preference that must be set in order to fully enable the communication between the clustered nodes. Execute the following SQL in a tool like Oracle SQL Developer, while logged in as the Profitabilty product schema owner. Be sure to commit the change, and then restart the Profitability service.</p> <pre data-bbox="651 1146 1435 1367"> INSERT INTO HPM_INSTALLATION_PREFERENCE (ID,NAME,VALUE,HPM_INSTALLATION_ID,CREATED_TIMESTAMP,CREATED_USERID,MODIFIED_TIMESTAMP,MODIFIED_USERID,DISPLAY_ORDER) VALUES (46, 'dimension.cache.cluster.refresh.enabled', 'Y', 1, SYSDATE, 'INIT', SYSDATE, 'INIT', 46); </pre> <p>This will ensure that dimension updates will be visible in both nodes. If you revert to non-clustered mode, you should delete this row and restart the Profitability service, to disable the dimension cache cluster refresh.</p>
36353159	<p>When a Profitability application template exported from a Windows instance is successfully imported into Linux instance, a rare failure to create the Essbase cube from the InputData content in the template may occur. This rare situation is generally discovered when accessing the missing cube. To resolve the issue, follow these steps:</p> <ol data-bbox="651 1709 1448 1841" style="list-style-type: none"> 1. Use Manage Database > Essbase Deploy to create the calculation cube. 2. Use Manage Database Data Load to load the text file found within the template's InputData folder.

Table 1-14 (Cont.) Known Issues in 11.2.25

Defect Number	Description
35659280	<p>Standard Profitability Applications are no longer supported, and will not be accessible in this patch.</p> <p>If you installed this patch but are still using Standard applications, you should roll back this patch. Your standard applications will become accessible again after rolling back this patch and then reregistering each application. To reregister:</p> <ol style="list-style-type: none"> 1. In the Profitability Applications console, select the Standard application that you want to continue using, then select Re-Register from the Actions menu. 2. In the Workspace Navigator, select Applications and then, click Refresh. You will now see the reregistered application in the Applications > Profitability list.
36124578	<p>Starting with the 11.2.16 release, the REST Sample Client can only be run on the server where Profitability and Cost Management is installed. See the Oracle Hyperion Profitability and Cost Management REST API Developer's Guide for details.</p>

See [Known Issues: 11.2.0 - 11.2.24](#) for the list of cumulative known issues starting from Release 11.2.0.

Tips and Troubleshooting

Tips and troubleshooting topics are listed in the [Installation and Configuration Troubleshooting Guide](#).

All Oracle Enterprise Performance Management System guides are available in the library on the Oracle Help Center: <https://docs.oracle.com/en/applications/?tab=8>.

Documentation Updates

Accessing EPM System Product Documentation

Find the latest Oracle Enterprise Performance Management System product guides in the Oracle Help Center (<https://docs.oracle.com/en/>). To access documents to view or download, click the Applications icon. In the Applications Documentation window, select the Enterprise Performance Management tab, and then look for your release in the Enterprise Performance Management list.

You can also find deployment-related documentation on the Oracle Technology Network (<http://www.oracle.com/technetwork/index.html>) and on the Oracle Software Delivery Cloud website (http://edelivery.oracle.com/EPD/WelcomePage/get_form).

Appendix

New Features: 11.2.8 - 11.2.24

This section includes the list of cumulative new features starting from Release 11.2.8. You can also review the list of new features from previous releases by using the Cumulative Feature Overview (CFO) tool. This tool enables you to identify the products you own and your current implementation release. With a single click, the tool quickly produces a customized report of new feature descriptions. This CFO tool is available here: <https://apexapps.oracle.com/pls/apex/f?p=20620:1:0>

Table 1-15 New Features: 11.2.0 - 11.2.24

Release	Link to New Features
New Features: 11.2.18 - 11.2.24	11.2.18 11.2.19 11.2.20 11.2.21 11.2.22 11.2.23 11.2.24
New Features: 11.2.13 - 11.2.17	11.2.13 11.2.14 11.2.15 11.2.16 11.2.17
New Features: 11.2.8 - 11.2.12	11.2.8 11.2.9 11.2.10 11.2.11 11.2.12

Defects Fixed: 11.2.0 - 11.2.24

This section includes the list of cumulative defects fixed starting from Release 11.2.0.

Table 1-16 Defects Fixed: 11.2.0 - 11.2.24

Release	Link to Defects Fixed
Defects Fixed: 11.2.21 - 11.2.24	11.2.21 11.2.22 11.2.23 11.2.24
Defects Fixed: 11.2.16 - 11.2.20	11.2.16 11.2.17 11.2.18 11.2.19 11.2.20
Defects Fixed: 11.2.11 - 11.2.15	11.2.11 11.2.12 11.2.13 11.2.14 11.2.15
Defects Fixed: 11.2.6 - 11.2.10	11.2.6 11.2.7 11.2.8 11.2.9 11.2.10
Defects Fixed: 11.2.0 - 11.2.5	11.2.0 (NA) 11.2.1 11.2.2 11.2.3 11.2.4 11.2.5

Known Issues: 11.2.0 - 11.2.24

This section includes the list of cumulative known issues starting from Release 11.2.0.

Table 1-17 Known Issues: 11.2.0 - 11.2.24

Release	Link to Known Issues
Known Issues: 11.2.21 - 11.2.24	11.2.21 11.2.22 11.2.23 11.2.24
Known Issues: 11.2.16 - 11.2.20	11.2.16 11.2.17 11.2.18 11.2.19 11.2.20
Known Issues: 11.2.11 - 11.2.15	11.2.11 11.2.12 11.2.13 11.2.14 11.2.15
Known Issues: 11.2.6 - 11.2.10	11.2.6 11.2.7 11.2.8 11.2.9 (NA) 11.2.10

Table 1-17 (Cont.) Known Issues: 11.2.0 - 11.2.24

Release	Link to Known Issues
Known Issues: 11.2.0 through 11.2.5	11.2.0 11.2.1 11.2.2 11.2.3 11.2.4 11.2.5

Oracle Enterprise Performance Management System Readme

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