

# Critical Patch Update (CPU) Program Apr 2020 Patch Availability Document (PAD) (Doc ID 2633852.1)

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## APPLIES TO:

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Oracle Database Cloud Service - Version N/A and later  
Gen 1 Exadata Cloud at Customer (Oracle Exadata Database Cloud Machine) - Version N/A and later  
Oracle Database Cloud Exadata Service - Version N/A and later  
Oracle Database - Enterprise Edition - Version 11.2.0.4 and later  
Oracle Fusion Middleware - Version 11.1.1.7.0 and later  
Information in this document applies to any platform.

## PURPOSE

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This document defines the patches and minimum releases for the Database Product Suite, Fusion Middleware Product Suite, Exalogic, and Enterprise Manager Suite Critical Patch Updates and Patch Set Updates released on April 14, 2020.

## SCOPE

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The document is for Database Administrators and/or others tasked with Quarterly Security Patching.

## DETAILS

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# Database, Fusion Middleware, and Enterprise Manager Critical Patch Update April 2020 Patch Availability Document

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My Oracle Support [Note 2633852.1](#)

Released April 14, 2020

This document contains the following sections:

- [Critical Patch Update April 2020 Patch Availability Document \(PAD\)](#)
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## 1 Overview

Oracle provides quarterly cumulative patches to address security vulnerabilities. The patches may include critical fixes in addition to the security fixes. The security vulnerabilities addressed are announced in the Advisory for April 2020, available at:

### [Oracle Technical Network Advisory](#)

This document lists the Oracle Database, Fusion Middleware and Enterprise Manager CPU program cumulative patches for product releases under error correction. The April 2020 release supersedes earlier CPU program cumulative patches for the same product releases. This document is subject to continual update after the initial release, and the changes are listed in "[Modification History](#)." If you print this document, check My Oracle Support to ensure you have the latest version.

This section contains the following:

- [Section 1.1 "How To Use This Document"](#)
- [Section 1.2 "Terminology in the Tables"](#)
- [Section 1.3 "On-Request Patches"](#)
- [Section 1.4 "CPU Program and My Oracle Support Patch Recommendations"](#)
- [Section 1.5 "My Oracle Support \(MOS\) Conflict Checker Tool"](#)

## 1.1 How To Use This Document

The following steps explain how to use this document.

### Step 1 Assess your Environments

Determine the Oracle product suites and products and their release numbers for each of your environments.

### Step 2 Read Important Announcements

Review "[What's New in April 2020](#)," as it lists documentation and packaging changes along with important announcements such as upcoming final CPUs.

### Step 3 Determine Patches to be Applied

For each environment, determine which patches need to be applied by using the tables in "[Patch Availability for Oracle Products](#)." There is one availability table for each product suite release, such as Oracle Database 12.2.0.1, Oracle Identity Access Management 11.1.2.3, and Enterprise Manager Cloud Control 12.1.0.5.

- The table lists the patches to be applied either to the product or to the appropriate product Oracle homes that are associated with the product suite
- The patches are listed in the order released, with newest patches listed first
- For some patches, multiple Oracle homes are listed. Apply the patch to all of the homes indicated that are applicable to your environment and only to the listed Oracle homes
- The table lists only product releases that are under Premier Support or Extended Support and are under error correction as defined in My Oracle Support [Note 209768.1](#), Database, FMW, Enterprise Manager, TimesTen In-Memory Database, and OCS Software Error Correction Support Policy. Patches are provided only for these releases. If you do not see the release that you have installed, then check "[Final CPU History](#)" and contact Oracle Support for further assistance
- Patches that include security vulnerabilities announced in the current quarter's CPU Advisory, list the vulnerability CVE numbers in the Advisory Number column. If you are interested in the risk matrix for the vulnerabilities fixed in the patch, then see the CPU Advisory at <http://www.oracle.com/technetwork/topics/security/alerts-086861.html>. For patches that are listed from previous quarterly releases, or the current one without any security fixes, the column indicates "Released MMM YYYY"
- When a section is referenced in a table, follow the link to determine which patches to install. For example, when "[Oracle Database](#)" is referenced, determine the Oracle Database release that is installed, and find the patches to apply in the table for that Oracle Database release in "[Oracle Database](#)."

### Step 4 Apply the Patches

Download the patches, review the READMEs, and apply the patches according to the instructions.

## Step 5 Planning for Future Critical Patch Updates

To help you plan for future Critical Patch Updates, this document includes Final CPU information based on Oracle's Lifetime Support Policy and error correction policies.

["Final CPU Information \(Error Correction Policies\)"](#) in ["What's New in April 2020,"](#) documents product releases for which final Critical Patch Updates are upcoming or are being announced. In each product section, there is also an Error Correction Information Table that documents the final CPU program patch for the product. Products that have reached the end of error correction are documented in ["Final CPU History."](#)

### 1.2 Terminology in the Tables

The following terminology is used in this patch availability document and in the subsequent tables.

- **Update** - Release Update
- **Revision** -Release Update Revision
- **BP** - Bundle Patch
- **Final CPU** is the last quarter that a product is supported in the CPU program as per the Premier Support and Extended Support policies. <http://www.oracle.com/us/support/lifetime-support/index.html>.
- **NA** Not Applicable.
- **OR** On-Request. The patch is made available through the On-Request program.
- **PSU** - Patch Set Update
- **SPU** - Security Patch Update. An iterative, cumulative patch consisting of security fixes.
- **Overlay SPU** patch provided as an overlay on top of a PSU or BP instead of a base/patch set release.

### 1.3 On-Request Patches

Oracle does not proactively release patches for historically inactive platforms. However, Oracle will deliver these patches when requested.

The following guidelines describe how to initiate an on-request (OR) patch.

A request may be made:

- At any time. However, a patch for a specific quarterly release, such as CPUOct2012, cannot be requested. Depending on when the request is received and processed, either the patch for the current quarterly release or the next quarterly release will be provided. Your Service Request (SR) will provide you the planned availability date for the patch.
- As long as the version is in either Premier Support or Extended Support and error correction support has not expired. For example, if a product release is under Extended Support through the release of CPUJan2013 on January 15, 2013, then you can file a request for the product release through January 29, 2013. For more information, see [Oracle Lifetime Support Policies](#) at <http://www.oracle.com/us/support/lifetime-support/index.html>, and [Note 209768.1](#), Database, FMW, Enterprise Manager, TimesTen In-Memory Database, and OCS Software Error Correction Support Policy.
- For a platform-version combination when a major release or patch set is released on a platform after a quarterly release date. Oracle will provide the next patch for that platform-version combination, however you may request the current patch by following the on-request process. For example, if a patch is released for a platform on August 1, 2012, Oracle will provide the CPUOct2012 patch for that platform. You may request a CPUOct2012 patch for the platform, and Oracle will review the request and determine whether to provide CPUJul2012 or CPUOct2012.

A patch that is marked as on-request (OR) may already have been requested by another customer and be available on My Oracle Support. Before you file a Service Request (SR), check on My Oracle Support to see if the patch is already available for your platform.

### 1.4 CPU Program and My Oracle Support Patch Recommendations

My Oracle Support patch recommendation features are available on the Patches & Update tab. The patches announced in this document as part of the CPU program are classified as "Security" patch recommendations in My Oracle Support. If a new patch is being announced in this document, then the classification on any earlier patch is changed to "General", causing it to be removed from the My Oracle Support patch recommendations. If a patch has a "Security" classification, and a subsequent bundle, SPU, or PSU is released with a recommendation classification, then it will be classified as a "Security" recommendation in My Oracle Support.

Once a product release is no longer in error correction, its CPU patch information is removed from this document, but the last patch recommendation continues to be available in My Oracle Support. Ensure to select each of the products installed in your environment to obtain all patches.

## 1.5 My Oracle Support (MOS) Conflict Checker Tool

The My Oracle Support (MOS) Conflict Checker tool is available as of July 21, 2014.

You can access MOS Conflict Checker at <https://support.oracle.com/epmos/faces/PatchConflictCheck>. This tool is also accessible from the Patch Search results screen ("Analyze with OPatch" button).

The MOS Conflict Checker Tool allows you to upload an OPatch inventory to check for conflicts with patches to apply to your environment. If no conflicts are found, you can download the patches. If conflicts are found, the tool finds an existing resolution to download. If no resolution is found, you can request a solution, and monitor your request in the Plans region.

For more information and a demonstration video, see Knowledge Document [Note 1091294.1](#), How to Use the My Oracle Support Conflict Checker Tool for Patches Installed with OPatch [Video].

## 2 What's New in April 2020

This section describes important changes in April 2020:

- [Section 2.1 "Final CPU Information \(Error Correction Policies\)"](#)
- [Section 2.2 "Post Release Patches"](#)

### 2.1 Final CPU Information (Error Correction Policies)

The final CPU is the last quarter that a product is supported in the CPU program as per the Premier Support and Extended Support policies. Final CPUs for upcoming releases, as well as newly scheduled final CPUs, are listed in the following sections.

#### Final CPUs scheduled for Jul 2020

- Oracle Outside In Technology 8.5.4
- Oracle Tuxedo 12.1.1.0
- Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus) 12.1.1.1

#### Final CPUs scheduled for Apr 2020

- Management Pack For Oracle GoldenGate 11.2.1.0

### 2.2 Post Release Patches

Oracle strives to complete preparations and testing of each Quarterly Security Patch for each platform by the quarterly release date. Occasionally, circumstances beyond our control dictate that a particular patch be delayed and be released a few days after the quarterly release date. The following table lists any current patch delays and the estimated date of availability.

Patch	Patch Number	Platform	Availability
EM BP Patch Set Update 13.3.0.0.200414	<a href="#">Patch 31035765</a>	All	April-21-2020
Oracle Outside In Technology 8.5.5	Patch TBD	All	30-Apr-2020
Database Release Update 19.7.0.0.200414	<a href="#">Patch 30869156</a>	AIX	Available
Combo OJVM RU 19.7.0.0.200414 and DB RU 19.7.0.0.200414	<a href="#">Patch 30783543</a>	All	Available

Database Release Update Revision 19.6.1.0.200414	<a href="#">Patch 30797938</a>	All except Linux x86-64	21-Apr-2020
Database Release Update Revision 19.5.2.0.200414	<a href="#">Patch 30830913</a>	All except Linux x86-64	21-Apr-2020
GI Release Update 19.7.0.0.200414	<a href="#">Patch 30899722</a>	AIX, HP-UX Itanium	21-Apr-2020
Combo OJVM RU 19.7.0.0.200414 and GI RU 19.7.0.0.200414	<a href="#">Patch 30783556</a>	AIX, HP-UX Itanium	21-Apr-2020
GI Release Update Revision 19.6.1.0.200414	<a href="#">Patch 30923276</a>	All except Linux x86-64	21-Apr-2020
GI Release Update Revision 19.5.2.0.200414	<a href="#">Patch 30923448</a>	All except Linux x86-64	21-Apr-2020
DB Release Update Revision 18.9.1.0.200414	<a href="#">Patch 30798089</a>	AIX, HP-UX Itanium	21-Apr-2020
DB Release Update Revision 18.8.2.0.200414	<a href="#">Patch 30830887</a>	AIX	21-Apr-2020
GI Release Update Revision 18.9.1.0.200414	<a href="#">Patch 30923313</a>	AIX, HP-UX Itanium, Solaris SPARC (64-Bit)	21-Apr-2020
GI Release Update Revision 18.8.2.0.200414	<a href="#">Patch 30923359</a>	AIX	21-Apr-2020
GI Apr 2020 Release Update 12.2.0.1.200414 (& associated COMBO)	<a href="#">Patch 30920127</a> (& <a href="#">Patch 30783652</a> )	HP-UX Itanium	21-Apr-2020
GI Oct 2019 Release Update Revision 12.2.0.1.200414	<a href="#">Patch 30820785</a>	All except Linux x86-64	21-Apr-2020
GI Jan 2020 Release Update Revision 12.2.0.1.200414	<a href="#">Patch 30820944</a>	All except Linux x86-64, AIX	21-Apr-2020
Database PSU 12.1.0.2.200414	<a href="#">Patch 30700212</a>	AIX	Available
Combo OJVM PSU 12.1.0.2.200414 and DB PSU 12.1.0.2.200414	<a href="#">Patch 30783658</a>	All	Available
GI PSU 12.1.0.2.200414	<a href="#">Patch 30805421</a>	AIX	21-Apr-2020
Combo OJVM PSU 12.1.0.2.200414 and GI PSU 12.1.0.2.200414	<a href="#">Patch 30783882</a>	AIX	21-Apr-2020
Database Proactive Bundle Patch 12.1.0.2.200414	<a href="#">Patch 30805478</a>	AIX, HP-UX Itanium	21-Apr-2020
Combo OJVM PSU 12.1.0.2.200414 and DBBP 12.1.0.2.200414	<a href="#">Patch 30783885</a>	All	21-Apr-2020
Combo OJVM PSU 11.2.0.4.200414 and GI PSU 11.2.0.4.200414	<a href="#">Patch 30783890</a>	HP-UX PA-RISC	Available
Microsoft Windows BP 19.7.0.0.200414	<a href="#">Patch 30901317</a>	Windows 64-Bit and 32-Bit	24-Apr-2020
OJVM Component Database RU 19.7.0.0.200414	<a href="#">Patch 30805684</a>	Windows 64-Bit	21-Apr-2020
Microsoft Windows BP 18.10.0.0.200414	<a href="#">Patch 30901451</a>	Windows 64-Bit and 32-Bit	21-Apr-2020
OJVM Component Database RU 18.10.0.0.200414	<a href="#">Patch 30805598</a>	Windows 64-Bit	21-Apr-2020
Microsoft Windows BP 12.2.0.1.200414	<a href="#">Patch 30861472</a>	Windows 64-Bit and 32-Bit	30-Apr-2020
OJVM Microsoft Windows Bundle Patch 12.2.0.1.200414	<a href="#">Patch 31035002</a>	Windows 64-Bit	21-Apr-2020
Microsoft Windows BP 12.1.0.2.200414	<a href="#">Patch 30861721</a>	Windows 64-Bit and 32-Bit	30-Apr-2020

OJVM Microsoft Windows Bundle Patch 12.1.0.2.200414	<a href="#">Patch 31037459</a>	Windows 64-Bit	21-Apr-2020
Microsoft Windows BP 11.2.0.4.200414	<a href="#">Patch 31169916</a>	Windows 64-Bit and 32-Bit	30-Jun-2020
OJVM Component Database PSU 11.2.0.4.200414	<a href="#">Patch 31169933</a>	Windows 64-Bit	30-Jun-2020
Quarterly Full Stack download for Exadata (Apr2020) 19.7.0.0.200414	<a href="#">Patch 30783929</a>	All	21-Apr-2020
Quarterly Full Stack download for Exadata (Apr2020) 18.10.0.0.200414	<a href="#">Patch 30783928</a>	All	21-Apr-2020
Quarterly Full Stack download for Exadata (Apr2020) 12.2.0.1	<a href="#">Patch 30783925</a>	All	21-Apr-2020
Quarterly Full Stack download for Exadata (Apr2020) 12.1.0.2	<a href="#">Patch 30783920</a>	All	21-Apr-2020
Quarterly Full Stack download for Exadata (Apr2020) 11.2.0.4	<a href="#">Patch 30783910</a>	All	21-Apr-2020
Quarterly Full Stack download for SuperCluster (Q2.2020)	<a href="#">Patch 30783930</a>	All	12-May-2020

### 3 Patch Availability for Oracle Products

This section contains the following:

- [Section 3.1 "Oracle Database"](#)
- [Section 3.2 "Oracle Enterprise Manager"](#)
- [Section 3.3 "Oracle Fusion Middleware"](#)
- [Section 3.4 "Oracle Sun Middleware"](#)
- [Section 3.5 "Tools"](#)

#### 3.1 Oracle Database

This section contains the following:

- [Section 3.1.1 "Oracle REST Data Services \(formally called Oracle APEX Listener\)"](#)
- [Section 3.1.2 "Oracle Application Express"](#)
- [Section 3.1.3 "Oracle Big Data Spatial and Graph"](#)
- [Section 3.1.4 "Oracle Database"](#)
- [Section 3.1.5 "Oracle Database Mobile/Lite Server"](#)
- [Section 3.1.6 "Oracle GoldenGate"](#)
- [Section 3.1.7 "Oracle GoldenGate for Big Data \(Formerly known as Oracle GoldenGate Application Adapters\)"](#)
- [Section 3.1.8 "Oracle GoldenGate Veridata"](#)
- [Section 3.1.9 "Oracle Secure Backup"](#)

##### 3.1.1 Oracle REST Data Services (formally called Oracle APEX Listener)

###### Error Correction information for Oracle REST Data Services 3.0

Patch Information	3.0	Comments
Final CPU	-	

###### Minimum Product Requirements for Oracle REST Data Services

Critical Patch Update security vulnerabilities are fixed in the listed releases. For Oracle REST Data Services downloads and installation instructions, see <http://www.oracle.com/technetwork/developer-tools/rest-data-services/overview/index.html>.

Product	Release	Advisory Number	Comments
Oracle REST Data Services	3.0.10.25.02.36	Released July 2017	

### 3.1.2 Oracle Application Express

#### Minimum Product Requirements for Oracle Application Express

Critical Patch Update security vulnerabilities are fixed in the listed releases. For Oracle Application Express downloads and installation instructions, see <http://www.oracle.com/technetwork/developer-tools/apex/downloads/index.html>.

Component	Release	Advisory Number	Comments
Oracle Application Express	19.2.0.00.18	CVE-2015-9251, CVE-2016-7103, CVE-2019-11358, CVE-2020-2514	

### 3.1.3 Oracle Big Data Spatial and Graph

#### Error Correction information for Oracle Big Data Spatial and Graph

Patch Information	2.0	1.2	Comments
Final CPU	-	-	

#### Patch Availability for Oracle Big Data Spatial and Graph

Critical Patch Update security vulnerabilities are fixed in the listed releases. For Oracle Big Data Spatial and Graph downloads and installation instructions, see <http://www.oracle.com/technetwork/database/database-technologies/bigdata-spatialandgraph/downloads/index.html>.

Product	Patch	Advisory Number	Comments
Oracle Big Data Spatial and Graph 2.0	<a href="#">Patch 28774674</a>	Released October 2018	
Oracle Big Data Spatial and Graph 2.1	<a href="#">Patch 28774701</a>	Released October 2018	
Oracle Big Data Spatial and Graph 2.1	<a href="#">Patch 28774764</a>	Released October 2018	

### 3.1.4 Oracle Database

This section contains the following:

- [Section 3.1.4.1 "Patch Availability for Oracle Database"](#)
- [Section 3.1.4.2 "Oracle Database 19"](#)
- [Section 3.1.4.3 "Oracle Database 18"](#)
- [Section 3.1.4.4 "Oracle Database 12.2.0.1"](#)
- [Section 3.1.4.5 "Oracle Database 12.1.0.2"](#)
- [Section 3.1.4.6 "Oracle Database 11.2.0.4"](#)

#### 3.1.4.1 Patch Availability for Oracle Database

For information regarding the different types of patches for Database, refer to Oracle Database - Overview of Database Patch Delivery Methods - 12.1.0.2 and older, [Note 1962125.1](#) and Oracle Database - Overview of Database Patch Delivery Methods for 12.2.0.1 and greater, [Note 2337415.1](#)

#### 3.1.4.2 Oracle Database 19

Patch Information	19	Comments

Final CPU	See <a href="#">Note 742060.1</a>	
On-Request platforms	32-bit client-only platforms	

## Patch Availability for Oracle Database 19

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	<p>Combo OJVM Release Update 19.7.0.0.200414 and Database Release Update 19.7.0.0.200414 <a href="#">Patch 30783543</a> for UNIX, or</p> <p>Combo OJVM Release Update 19.7.0.0.200414 and GI Release Update 19.7.0.0.200414 <a href="#">Patch 30783556</a>, or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) 19.7.0.0.200414 <a href="#">Patch 30783929</a> for Linux x86-64</p>	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737, CVE-2020-2735	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches.</p>
Oracle Database Server home	<p>Database Release Update 19.7.0.0.200414 <a href="#">Patch 30869156</a> for UNIX, or</p> <p>Database Release Update Revision 19.6.1.0.200414 <a href="#">Patch 30797938</a> for UNIX, or</p> <p>Database Release Update Revision 19.5.2.0.200414 <a href="#">Patch 30830913</a> for UNIX, or</p> <p>GI Release Update 19.7.0.0.200414 <a href="#">Patch 30899722</a>, or</p> <p>GI Release Update Revision 19.6.1.0.200414 <a href="#">Patch 30923276</a>, or</p> <p>GI Release Update Revision 19.5.2.0.200414 <a href="#">Patch 30923448</a>, or</p> <p>Microsoft Windows 32-Bit and x86-64 BP 19.7.0.0.200414 <a href="#">Patch 30901317</a>, or later;</p> <p>Quarterly Full Stack download for Exadata (Apr2020) 19.7.0.0.200414 <a href="#">Patch 30783929</a> for Linux x86-64, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>From Jan2020 onwards the Database and GI Update and Revision patches include the JDK fixes released in the prior cycle. For the most recent JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.</p>



Oracle Database Server home	OJVM Release Update 19.7.0.0.200414 <a href="#">Patch 30805684</a> for all platforms	CVE-2020-2735	See <a href="#">Note 1929745.1</a> , Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server home	JDK8u251 <a href="#">Patch 30980733</a>	CVE-2020-2803, CVE-2020-2805, CVE-2019-18197, CVE-2020-2781, CVE-2020-2830, CVE-2020-2800, CVE-2020-2754, CVE-2020-2755, CVE-2020-2773, CVE-2020-2756, CVE-2020-2757	See <a href="#">Note 2584628.1</a> , "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.
Oracle Database Server home	Perl <a href="#">Patch 29511771</a>	Released April 2019	
Oracle Database Client home	Database Release Update 19.4.0.0.190716 <a href="#">Patch 29834717</a> for UNIX	Released July 2019	The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see <a href="#">Oracle Call Interface Programmer's Guide</a> .

### 3.1.4.3 Oracle Database 18

Patch Information	18	Comments
Final CPU	See <a href="#">Note 742060.1</a>	
On-Request platforms	32-bit client-only platforms	

### Patch Availability for Oracle Database 18

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	<p>Combo OJVM Release Update 18.10.0.0.200414 and Database Release Update 18.10.0.0.200414 <a href="#">Patch 30783603</a> for UNIX, or</p> <p>Combo OJVM Release Update 18.10.0.0.200414 and GI Release Update 18.10.0.0.200414 <a href="#">Patch 30783607</a>, or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) 18.10.0.0.200414 <a href="#">Patch 30783928</a></p>	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737, CVE-2020-2735	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>OJVM Update patches from 18.4 onwards are RAC Rolling installable. Please see <a href="#">Note 2217053.1</a>, RAC Rolling Install Process for the "Oracle JavaVM Component Database PSU/RU" (OJVM PSU/RU) Patches</p>
Oracle Database Server home	<p>Database Release Update 18.10.0.0.200414 <a href="#">Patch 30872794</a>, or</p> <p>Database Release Update Revision 18.9.1.0.200414 <a href="#">Patch 30798089</a>, or</p> <p>Database Release Update Revision 18.8.2.0.200414</p>	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>From Jan2020 onwards the Database and GI Update and Revision patches include the JDK fixes released in the prior cycle. For the most recent JDK fixes a separate patch is available (see below) and needs to be installed in</p>

	<p><a href="#">Patch 30830887</a>, or</p> <p>GI Release Update 18.10.0.0.200414 <a href="#">Patch 30899645</a>, or</p> <p>GI Release Update Revision 18.9.1.0.200414 <a href="#">Patch 30923313</a>, or</p> <p>GI Release Update Revision 18.8.2.0.200414 <a href="#">Patch 30923359</a>, or</p> <p>Microsoft Windows 32-Bit and x86-64 BP 18.10.0.0.200414 <a href="#">Patch 30901451</a>, or later;</p> <p>Quarterly Full Stack download for Exadata (Apr2020) 18.10.0.0.200414 <a href="#">Patch 30783928</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>		<p>addition to the Database and GI patches.</p>
Oracle Database Server home	<p>OJVM Release Update 18.10.0.0.200414 <a href="#">Patch 30805598</a> for all platforms</p>	CVE-2020-2735	<p>OJVM Update patches from 18.4 onwards are RAC Rolling installable. Please see <a href="#">Note 2217053.1</a>, RAC Rolling Install Process for the "Oracle JavaVM Component Database PSU/RU" (OJVM PSU/RU) Patches</p>
Oracle Database Server home	<p>JDK8u251 <a href="#">Patch 31019767</a></p>	<p>CVE-2020-2803, CVE-2020-2805, CVE-2019-18197, CVE-2020-2781, CVE-2020-2830, CVE-2020-2800, CVE-2020-2754, CVE-2020-2755, CVE-2020-2773, CVE-2020-2756, CVE-2020-2757</p>	<p>See <a href="#">Note 2584628.1</a>, "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.</p>
Oracle Database Client home	<p>Database Release Update 18.7.0.0.190716 <a href="#">Patch 29757256</a>, or</p> <p>Database Release Update Revision 18.6.1.0.190716 <a href="#">Patch 29708235</a>, or</p> <p>Database Release Update Revision 18.5.2.0.190716 <a href="#">Patch 29708437</a> or</p> <p>Microsoft Windows 32-Bit and x86-64 BP 18.7.0.0.190716 <a href="#">Patch 29859180</a></p>	Released July 2019	<p>The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see <a href="#">Oracle Call Interface Programmer's Guide</a>.</p>

### 3.1.4.4 Oracle Database 12.2.0.1

Patch Information	12.2.0.1	Comments
Final CPU	See <a href="#">Note 742060.1</a>	

**Patch Availability for Oracle Database 12.2.0.1**

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	<p>Combo OJVM Release Update 12.2.0.1.200414 and Database Release Update 12.2.0.1.200414 <a href="#">Patch 30783641</a> for UNIX, or</p> <p>Combo OJVM Release Update 12.2.0.1.200414 and GI Release Update 12.2.0.1.200414 <a href="#">Patch 30783652</a>, or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) 12.2.0.1 <a href="#">Patch 30783925</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>	<p>CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737, CVE-2020-2735</p>	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>OJVM Update Patches are not RAC Rolling installable. However, <a href="#">NOTE 2217053.1</a> defines a few specific situations where the OJVM PSU patchset can be postinstalled into each database while the database remains in unrestricted "startup" mode. Please refer to the NOTE for more details.</p> <p>Combos are for environments that take a single downtime to apply all patches</p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- "Oracle JavaVM Component Database PSU and Update" (OJVM PSU and OJVM Update) Patches</p>
Oracle Database Server home	<p>Database Apr 2020 Release Update 12.2.0.1.200414 <a href="#">Patch 30886680</a> for UNIX, or</p> <p>Database Oct 2019 Release Update Revision 12.2.0.1.200414 <a href="#">Patch 30831066</a>, or</p> <p>Database Jan 2020 Release Update Revision 12.2.0.1.200414 <a href="#">Patch 30799484</a>, or</p> <p>GI Apr 2020 Release Update 12.2.0.1.200414 <a href="#">Patch 30920127</a>, or</p> <p>GI Oct 2019 Release Update Revision 12.2.0.1.200414 <a href="#">Patch 30820785</a>, or</p> <p>GI Jan2020 Release Update Revision 12.2.0.1.200414 <a href="#">Patch 30820944</a>, or</p> <p>BS2000 Database BP 12.2.0.1.200414 <a href="#">Patch 31001150</a></p> <p>Microsoft Windows 32-Bit and x86-64 BP 12.2.0.1.200414 <a href="#">Patch 30861472</a>, or later;</p>	<p>CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2019-12418, CVE-2019-17563, CVE-2020-2734, CVE-2020-2737</p>	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>From Jan2020 onwards the Database and GI Update and Revision patches include the JDK fixes released in the prior cycle. For the most recent JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.</p>

	<p>Quarterly Full Stack download for Exadata (Apr2020) 12.2.0.1 <a href="#">Patch 30783925</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>		
Oracle Database Server home	<p>OJVM Release Update 12.2.0.1.200414 <a href="#">Patch 30805580</a> for UNIX, or</p> <p>OJVM Microsoft Windows Bundle Patch 12.2.0.1.200414 <a href="#">Patch 31035002</a></p>	CVE-2020-2735	<p>OJVM Update Patches are not RAC Rolling installable. However, <a href="#">NOTE 2217053.1</a> defines a few specific situations where the OJVM PSU patchset can be postinstalled into each database while the database remains in unrestricted "startup" mode. Please refer to the NOTE for more details.</p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches</p>
Oracle Database Server home	JDK8u251 <a href="#">Patch 30980615</a>	CVE-2020-2803, CVE-2020-2805, CVE-2019-18197, CVE-2020-2781, CVE-2020-2830, CVE-2020-2800, CVE-2020-2754, CVE-2020-2755, CVE-2020-2773, CVE-2020-2756, CVE-2020-2757	See <a href="#">Note 2584628.1</a> , "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.
Oracle Database Client home	<p>Database Jul 2019 Release Update 12.2.0.1.190716 <a href="#">Patch 29757449</a> for UNIX, or</p> <p>Database Jan 2019 Release Update Revision 12.2.0.1.190716 <a href="#">Patch 29708478</a>, or</p> <p>Database Apr 2019 Release Update Revision 12.2.0.1.190716 <a href="#">Patch 29708381</a>, or</p> <p>Microsoft Windows 32-Bit and x86-64 RU 12.2.0.1.190716 <a href="#">Patch 29832062</a>, or later</p>	Released July 2019	The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see <a href="#">Oracle Call Interface Programmer's Guide</a> .

### 3.1.4.5 Oracle Database 12.1.0.2

#### Error Correction information for Oracle Database 12.1.0.2

Patch Information	12.1.0.2	Comments
Final CPU	See <a href="#">Note 742060.1</a>	
On-Request platforms	32-bit client-only platforms	

#### Patch Availability for Oracle Database 12.1.0.2

If the Combo patches that are listed in the first row are applied, then the patches listed in Rows 2 and 3 do not need to be applied.

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	<p>Combo OJVM PSU 12.1.0.2.200414 and Database PSU 12.1.0.2.200414 <a href="#">Patch 30783658</a> for UNIX, or</p> <p>Combo OJVM PSU 12.1.0.2.200414 and GI PSU 12.1.0.2.200414 <a href="#">Patch 30783882</a>, or</p> <p>Combo OJVM PSU 12.1.0.2.200414 and Database Proactive BP 12.1.0.2.200414 <a href="#">Patch 30783885</a> for UNIX, or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) BP 12.1.0.2 <a href="#">Patch 30783920</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>	<p>CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2020-2734, CVE-2020-2737, CVE-2016-10251, CVE-2020-2735</p>	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>OJVM PSU Patches are not RAC Rolling installable. However, <a href="#">NOTE 2217053.1</a> defines a few specific situations where the OJVM PSU patchset can be postinstalled into each database while the database remains in unrestricted "startup" mode. Please refer to the NOTE for more details.</p> <p>Combos are for environments that take a single downtime to apply all patches</p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches</p>
Oracle Database Server home	<p>Database PSU 12.1.0.2.200414 <a href="#">Patch 30700212</a> for UNIX, or</p> <p>GI PSU 12.1.0.2.200414 <a href="#">Patch 30805421</a>, or</p> <p>Microsoft Windows 32-Bit and x86-64 BP 12.1.0.2.200414 <a href="#">Patch 30861721</a>, or later;</p> <p>Database Proactive Bundle Patch 12.1.0.2.200414 <a href="#">Patch 30805478</a> or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) BP 12.1.0.2 <a href="#">Patch 30783920</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>	<p>CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2020-2734, CVE-2020-2737, CVE-2016-10251</p>	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>For JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.</p>
Oracle Database Server home	<p>Oracle JavaVM Component Database PSU 12.1.0.2.200414 <a href="#">Patch 30805558</a> for UNIX, or</p> <p>Oracle JavaVM Component Microsoft Windows Bundle Patch 12.1.0.2.200414 <a href="#">Patch 31037459</a></p>	<p>CVE-2020-2735</p>	<p>OJVM PSU Patches are not RAC Rolling installable. However, <a href="#">NOTE 2217053.1</a> defines a few specific situations where the OJVM PSU patchset can be postinstalled into each database while the database remains in unrestricted "startup" mode. Please refer to the NOTE for more details.</p>

			All OJVM PSU since 12.1.0.2.161018 includes Generic JDBC <a href="#">Patch 23727148</a>  See <a href="#">Note 1929745.1</a> , Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server home	JDK7u261 <a href="#">Patch 30942294</a>	CVE-2020-2803, CVE-2020-2805, CVE-2020-2781, CVE-2020-2830, CVE-2020-2800, CVE-2020-2773, CVE-2020-2756, CVE-2020-2757	See <a href="#">Note 2584628.1</a> , "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.
Oracle Database Server home	Oracle JavaVM Component Database PSU - Generic JDBC 12.1.0.2.160719 <a href="#">Patch 23727148</a>	Released July 2016	
Oracle Database Client home	Database PSU 12.1.0.2.190716 <a href="#">Patch 29494060</a> for UNIX, or  Microsoft Windows 32-Bit and x86-64 BP 12.1.0.2.190716 <a href="#">Patch 29831650</a>	Released July 2019	The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see <a href="#">Oracle Call Interface Programmer's Guide</a> .

### 3.1.4.6 Oracle Database 11.2.0.4

#### Error Correction information for Oracle Database 11.2.0.4

Patch Information	11.2.0.4	Comments
Final CPU	See <a href="#">Note 742060.1</a>	
On-Request platforms	HP-UX PA-RISC  IBM: Linux on System Z  32-bit client-only platforms except Linux x86	
On-Request platforms	32-bit client-only platforms except Linux x86	

#### Patch Availability for Oracle Database 11.2.0.4

If the Combo patches that are listed in the first row are applied, then the patches listed in Rows 2 and 3 do not need to be applied.

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	Combo OJVM PSU 11.2.0.4.200414 and Database SPU 11.2.0.4.200414 <a href="#">Patch 30783899</a> for UNIX, or  Combo OJVM PSU 11.2.0.4.200414 and Database PSU 11.2.0.4.200414 <a href="#">Patch 30783889</a> for UNIX, or  Combo OJVM PSU 11.2.0.4.200414 and GI PSU	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2020-2734, CVE-2020-2737, CVE-2020-2735	For patch availability, see section <a href="#">2.2 Post Release Patches</a>  From Jan2019 onwards the OJVM now only supports JDK7 for security compliance. Please ensure that if there are applications with an OJVM dependency that they are compatible with JDK7.  OJVM PSU Patches are not RAC Rolling installable. However, <a href="#">NOTE</a>

	<p>11.2.0.4.200414 <a href="#">Patch 30783890</a> for UNIX, or</p> <p>Combo OJVM PSU 11.2.0.4.200414 and Exadata BP 11.2.0.4.200414 <a href="#">Patch 30783893</a></p>		<p><a href="#">2217053.1</a> defines a few specific situations where the OJVM PSU patchset can be postinstalled into each database while the database remains in unrestricted "startup" mode. Please refer to the NOTE for more details.</p> <p>Combos are for environments that take a single downtime to apply all patches</p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches</p>
Oracle Database Server home	<p>Database PSU 11.2.0.4.200414 <a href="#">Patch 30670774</a> for UNIX, or</p> <p>GI PSU 11.2.0.4.200414 <a href="#">Patch 30805461</a> for UNIX, or</p> <p>Database SPU 11.2.0.4.200414 <a href="#">Patch 31010960</a> for UNIX, or</p> <p>Microsoft Windows (32-Bit) and x64 (64-Bit) BP 11.2.0.4.200414 <a href="#">Patch 31169916</a>, or later;</p> <p>Quarterly Database Patch for Exadata BP 11.2.0.4.200414 <a href="#">Patch 30805507</a> for UNIX, or</p> <p>Quarterly Full Stack download for Exadata (Apr2020) BP 11.2.0.4 <a href="#">Patch 30783910</a>, or</p> <p>Quarterly Full Stack download for SuperCluster (Q2.2020) <a href="#">Patch 30783930</a> for Solaris SPARC 64-Bit</p>	CVE-2019-2756, CVE-2019-2759, CVE-2019-2852, CVE-2019-2853, CVE-2020-2734, CVE-2020-2737	<p>For patch availability, see section <a href="#">2.2 Post Release Patches</a></p> <p>For JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.</p>
Oracle Database Server home	<p>Oracle JavaVM (OJVM) Component Database PSU 11.2.0.4.200414 <a href="#">Patch 30805543</a> for UNIX, or</p> <p>Oracle JavaVM (OJVM) Component Database PSU 11.2.0.4.200414 <a href="#">Patch 31169933</a> for Microsoft Windows</p>	CVE-2020-2735	<p>From Jan2019 onwards the OJVM now only supports JDK7 for security compliance. Please ensure that if there are applications with an OJVM dependency that they are compatible with JDK7.</p> <p>OJVM PSU 11.2.0.4.161018 and greater includes Generic JDBC <a href="#">Patch 23727132</a></p> <p>See <a href="#">Note 1929745.1</a>, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches</p>
Oracle Database Server home	JDK7u261 <a href="#">Patch 30980574</a>	CVE-2020-2803, CVE-2020-2805, CVE-2020-2781, CVE-2020-2830, CVE-2020-2800, CVE-2020-2773, CVE-2020-2756, CVE-2020-2757	See <a href="#">Note 2584628.1</a> , "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.

Oracle Database Server home	Oracle JavaVM Component Database PSU - Generic JDBC 11.2.0.4.160719 <a href="#">Patch 23727132</a>	Released July 2016	For RAC deployments, this patch should be applied to Grid Infrastructure Home instead of OJVM PSU 11.2.0.4.4, or higher  See <a href="#">Note 1929745.1</a> , Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Client home	Database PSU 11.2.0.4.190716 <a href="#">Patch 29497421</a> for UNIX, or Microsoft Windows (32-Bit) and x64 (64-Bit) BP 11.2.0.4.190716 <a href="#">Patch 29596609</a> , or later	Released July 2019	The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see <a href="#">Oracle Call Interface Programmer's Guide</a> .

### 3.1.5 Oracle Database Mobile/Lite Server

#### Error Correction Information for Oracle Database Mobile Server

Patch Information	12.1 (Mobile Server)	11.3 (Mobile Server)	Comments
Final CPU	-	October 2021	

#### Patch Availability for Oracle Database Mobile Server 12.1.x

Product Home	Patch	Advisory Number	Comments
12.1	12.1.0.0 BP <a href="#">Patch 21974980</a>	Released October 2015	

#### Patch Availability for Oracle Database Mobile Server 11.3.x

Product Home	Patch	Advisory Number	Comments
11.3	11.3.0.2 BP <a href="#">Patch 21950285</a>	Released October 2015	

### 3.1.6 Oracle GoldenGate

#### Error Correction information for Oracle GoldenGate

Component	12.3.0.1	12.2.0.2	12.1.2.1	Comments
Final CPU	July 2025	October 2023	October 2021	

#### Patch Availability for Oracle GoldenGate

Product Home	Patch	Advisory Number	Comments
12.3.0.1	Install 12.3.0.1.4 Path Set (Available on edelivery/OTN)	Released October 2018	Refer to <a href="#">Note 1645495.1</a> for the latest release and additional platforms.
12.2.0.2	Oracle GoldenGate 12.2.0.2.181009 for Oracle 12c, <a href="#">Patch 28651610</a> Oracle GoldenGate 12.2.0.2.181009 for Oracle 11g, <a href="#">Patch 28651607</a>	Released October 2018	Refer to <a href="#">Note 1645495.1</a> for the latest release and additional platforms.



Product Home	Patch	Advisory Number	Comments
12.1.2.1	Oracle GoldenGate 12.1.2.1.181016 for Oracle 12c, <a href="#">Patch 28696813</a> Oracle GoldenGate 12.1.2.1.181016 for Oracle 11g, <a href="#">Patch 28696808</a>	Released October 2018	Refer to <a href="#">Note 1645495.1</a> for the latest release and additional platforms.

### 3.1.7 Oracle GoldenGate for Big Data (Formerly known as Oracle GoldenGate Application Adapters)

#### Error Correction information for Oracle GoldenGate for Big Data

Component	12.3.2.1.0	Comments
Final CPU	-	

#### Patch Availability for Oracle GoldenGate for Big Data

Product Home	Patch	Advisory Number	Comments
12.3.2.1	Oracle GoldenGate for Big Data 12.3.2.1.5 <a href="#">Patch 30207616</a>	Released October 2019	Download the release from OTN

### 3.1.8 Oracle GoldenGate Veridata

#### Error Correction information for Oracle GoldenGate Veridata

Component	11.2.1.0	Comments
Final CPU	October 2020	

#### Patch Availability for Oracle GoldenGate Veridata

Product Home	Patch	Advisory Number	Comments
11.2.1.0	oracle goldengate veridata v11.2.1.0.2 java agent - <a href="#">Patch 27425665</a>  oracle goldengate veridata v11.2.1.0.2 server - <a href="#">Patch 27425668</a>	Released April 2018	Golden Gate Veridata Patch

### 3.1.9 Oracle Secure Backup

#### Error Correction information for Oracle Secure Backup

Patch Information	18.1	Comments
Final CPU	January 2024	

#### Minimum Product Requirements for Oracle Secure Backup

Critical Patch Update security vulnerabilities are fixed in the listed releases. The Oracle Secure Backup downloads and installation instructions can be found at <http://www.oracle.com/technetwork/database/database-technologies/secure-backup/overview/index.html>

Product	Release	Advisory Number	Comments
Oracle Secure Backup	18.1	CVE-2018-5712, CVE-2018-5711	

## 3.2 Oracle Enterprise Manager

This section contains the following:

- [Section 3.2.1 "Oracle Real User Experience Insight"](#)
- [Section 3.2.2 "Oracle Application Testing Suite"](#)
- [Section 3.2.3 "Oracle Business Transaction Management"](#)
- [Section 3.2.4 "Oracle Enterprise Manager Cloud Control"](#)
- [Section 3.2.5 "Oracle Enterprise Manager Ops Center"](#)
- [Section 3.2.6 "OSS Support Tools"](#)
- [Section 3.2.7 "Oracle Configuration Manager"](#)

### 3.2.1 Oracle Real User Experience Insight

#### Error Correction information for Oracle Real User Experience Insight

Patch Information	13.3.1.0	13.2.3.1	13.1.2.1	Comments
Final CPU	October 2023	October 2023	October 2023	
On-Request platforms	-	-	-	

#### Minimum Product Requirements for Oracle Real User Experience Insight

Critical Patch Update security vulnerabilities are fixed in the listed releases. For more information on Oracle Real User Experience Insight, see <http://www.oracle.com/technetwork/oem/app-performance-mgmt/index.html>.

Product Version	Patch	Advisory Number	Comments
13.1.2.1 13.2.3.1 13.3.1.0	See <a href="#">Note 2652917.1</a> for details	CVE-2018-11058	Real User Experience Insight (RUEI)

### 3.2.2 Oracle Application Testing Suite

#### Error Correction information for Oracle Application Testing Suite

Patch Information	13.3.0.1	13.2.0.1	Comments
Final CPU	June 2025	June 2025	

#### Patch Availability for Oracle Application Testing Suite

These patches contain Critical Patch Update security vulnerabilities fixes for this release. All previous versions will need to be upgraded to the minimum version. Then, apply the following patches to fix the announced security vulnerabilities. For Oracle Application Testing Suite downloads and installation instructions, see <http://www.oracle.com/technetwork/oem/downloads/index-084446.html>.

Product Home	UNIX	Advisory Number	Comments
Base Platform Fusion Middleware home	See "Oracle WebLogic Server" (Version 12.2.1.4)	Released January 2019	See "Oracle WebLogic Server" (Version 12.2.1.4)
13.3.0.1	EM BP Application Testing Suite CPU January 2020 <a href="#">Patch 30733044</a>	CVE-2019-0227	Jan 2020 Patch includes this CVE fix
13.3.0.1	EM BP Application Testing Suite OFB CPU January 2020 <a href="#">Patch 30733056</a>	CVE-2019-0227	OFB is Oracle Flow Builder. Jan 2020 Patch includes this CVE fix
13.2.0.1	EM BP Application Testing Suite CPU January 2020. 13.2.0.1 customers must upgrade to 13.3.0.1.	CVE-2019-0227	Jan 2020 Patch includes this CVE fix
13.2.0.1	EM BP Application Testing Suite OFB CPU January 2020. 13.2.0.1 customers must upgrade to 13.3.0.1.	CVE-2019-0227	Jan 2020 Patch includes this CVE fix

### 3.2.3 Oracle Business Transaction Management

#### Error Correction Information for Oracle Business Transaction Management

Component	12.1.0.7	Comments
Final CPU	-	

#### Patch Availability for Oracle Business Transaction Management

Product Home	Patch	Advisory Number	Comment
BTM Home	BTM Patch 12.1.0.7.15 <a href="#">Patch 29135901</a>	Released April 2019	

### 3.2.4 Oracle Enterprise Manager Cloud Control

If your plans include updating the JDK version, please be sure that the JDK version that you choose is certified with your OEM Cloud Control Component. Please refer to [Note 2241358.1](#) for upgrading the JDK Component related to OEM Cloud Control Component.

#### Error Correction information for Oracle Enterprise Manager Cloud Control

Patch Information	13.4.0.0	13.3.0.0	13.2.0.0	12.1.0.5	Comments
Final CPU	-	January 2021	April 2020	October 2020	
On-Request platforms	-	-	-	-	

#### Patch Availability for Oracle Enterprise Manager Cloud Control 13c Release 2 (13.4.0.0)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See <a href="#">"Oracle Database"</a>		
Oracle Java SE home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2241358.1</a> , or upgrading the JDK Component related to OEM Cloud Control Component.
Base Platform Fusion Middleware home	See <a href="#">"Oracle WebLogic Server"</a> (Version 12.2.1.3.0)	See <a href="#">"Oracle WebLogic Server"</a> (Version 12.2.1.3.0)	
Base Platform OMS home	Base Release 13.4	CVE-2018-18311, CVE-2019-11358	CVE fixes in 13.4 Base Released in Jan 2020
Base Platform Fusion Middleware home	ADF BUNDLE PATCH 12.2.1.3.0 (ID:190924.2139.S) <a href="#">Patch 30347629</a>	Released October 2019	Apply to all Oracle homes installed with an FMW Infrastructure
Base Platform Fusion Middleware home	OHS (NATIVE) BUNDLE PATCH 12.2.1.3.0 (ID:191219.2319) <a href="#">Patch 30687404</a>	Released January 2020	<a href="#">Note 2568225.1</a> Cumulative README Post-Install Steps for Oracle HTTP Server 12.2.1.3 Bundle Patches
Base Platform Fusion Middleware home	OSS BUNDLE PATCH 12.2.1.3.200114 <a href="#">Patch 30146266</a> or later	Released January 2020	Oracle Security Service (SSL/Network) Patch for Oracle HTTP server (OHS)

#### Patch Availability for Oracle Enterprise Manager Cloud Control 13c Release 2 (13.3.0.0)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See <a href="#">"Oracle Database"</a>		

Base Platform Fusion Middleware home	See " <a href="#">Oracle WebLogic Server</a> " (Version 12.1.3.0)		
Base Platform OMS home	Base Release 13.3	Released April 2019	
Base Platform OMS home	EM BP Patch Set Update 13.3.0.0.200414 <a href="#">Patch 31035765</a>	CVE-2019-1543, CVE-2018-18311, CVE-2019-11358	For CVE-2018-18311 and CVE-2019-11358 Upgrade to 13.4 Release  For patch availability, see section <a href="#">2.2 Post Release Patches</a>
Base Platform OMS home	OSS SECURITY PATCH UPDATE 12.1.3.0.0 (CPUJAN2020) <a href="#">Patch 30692958</a>	Released January 2020	Oracle Security Service (SSL/Network) Patch for Oracle HTTP server (OHS)
Base Platform OMS home	OHS 12.1.3 for EM APR 2020 SPU <a href="#">Patch 31046788</a>	CVE-2020-2961	<a href="#">Note 2572758.1</a> Cumulative README Post-Install Steps for Oracle HTTP Server 12.1.3 Critical Patch Update
Base Platform Agent home	EM-AGENT Bundle Patch 13.3.0.0.191015 <a href="#">Patch 30206738</a>	Released October 2019	
EM Cloud Control Connectors	See <a href="#">Announcement on MOSC</a>	Released April 2019	
EM for Fusion Middleware	EM for OMS plugin 13.3.2.0.191231 <a href="#">Patch 30666123</a>  EM for OMS plugin 13.3.1.0.200331 <a href="#">Patch 31058360</a>	CVE-2020-2946	
Base Platform OMS home	SPU <a href="#">Patch 25322055</a>	Released in January 2017	Oracle ADF Patch 12.1.3.0, This patch is necessary for any co-located installations where ADF exists.

### Patch Availability for Oracle Enterprise Manager Cloud Control 13c Release 1 (13.2.0.0)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See " <a href="#">Oracle Database</a> "	See " <a href="#">Oracle Database</a> "	
Base Platform Fusion Middleware home	See " <a href="#">Oracle WebLogic Server</a> " (Version 12.1.3.0)	See " <a href="#">Oracle WebLogic Server</a> " (Version 12.1.3.0.0)	
Base Platform OMS home	Base Release 13.2	Released April 2019	
Base Platform OMS home	EM BP Patch Set Update 13.2.0.0.200414 <a href="#">Patch 30990499</a>	CVE-2019-1543, CVE-2018-18311, CVE-2019-11358	For CVE-2018-18311 and CVE-2019-11358 Upgrade to 13.4 Release
Base Platform OMS Home	EM for OMS plugin 13.2.3.0.200331 <a href="#">Patch 31142429</a>	CVE-2020-2946	

	EM for OMS plugin 13.2.2.0.200331 <a href="#">Patch 31142373</a>		
EM Cloud Control Connectors	See <a href="#">Announcement on MOSC</a>	Released April 2019	
Base Platform OMS home	EM for OMS Plugins 13.2.3.0.180630 <a href="#">Patch 28170938</a> or later EM for OMS Plugins 13.2.2.0.180630 <a href="#">Patch 28170918</a> or later	Released July 2018	
Base Platform Agent home	EM VT Plugin Bundle Patch 13.2.3.0.181231 (Agent Monitoring) <a href="#">Patch 29047624</a> <a href="#">Patch 28195767</a>	Released January 2019	
Base Platform Agent home	EM-AGENT Bundle Patch 13.2.0.0.190930 <a href="#">Patch 30206958</a>	Released October 2019	
Base Platform Agent home	EM VT Plugin Bundle Patch 13.2.2.0.190630 (Agent Monitoring) <a href="#">Patch 29893650</a>	Released July 2019	
Base Platform Agent home	EM for PeopleSoft 13.2.1.1.0 <a href="#">Patch 28243206</a> or EM for PeopleSoft 13.1.1.1.0 <a href="#">Patch 28243212</a>	Released July 2018	
Base Platform Agent home	EM for MYSQL Database 13.2.4.0.0 <a href="#">Patch 28788540</a>	Released October 2018	
Base Platform OMS home	OSS SECURITY PATCH UPDATE 12.1.3.0.0 (CPUJAN2020) <a href="#">Patch 30692958</a>	Released January 2020	Oracle Security Service (SSL/Network) Patch for Oracle HTTP server (OHS)  CVE-2018-11058 announced in July 2019, Patch is released Jan 2020.
Base Platform OMS home	OHS 12.1.3 for EM APR 2020 SPU <a href="#">Patch 31046788</a>	CVE-2020-2961	<a href="#">Note 2572758.1</a> Cumulative README Post-Install Steps for Oracle HTTP Server 12.1.3 Critical Patch Update
Base Platform OMS home	SPU <a href="#">Patch 25322055</a>	Released in January 2017	Oracle ADF Patch 12.1.3.0 This patch is necessary for any co-located installations where ADF exists.

### Patch Availability for Oracle Enterprise Manager Cloud Control 12c Release 5 (12.1.0.5)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	
Base Platform Fusion Middleware home	See <a href="#">"Oracle WebLogic Server"</a> (Version 10.3.6.0)	See <a href="#">"Oracle WebLogic Server"</a> (Version 10.3.6.0)	
Base Platform Fusion Middleware home	CPU <a href="#">Patch 23703041</a>	Released July 2016	Oracle Business Intelligence Publisher BP 11.1.1.7.160719 patch for BIP home in Enterprise Manager
Base Platform Agent home	EM for OMS plugin 12.1.0.5.200331 <a href="#">Patch 31129450</a>	CVE-2020-2946	

Base Platform OMS home	EM BP Patch Set Update 12.1.0.5.200414 <a href="#">Patch 31035728</a>		
Base Platform Fusion Middleware home	JSP 11.1.1.7.0 SPU for EM 12.1.0.5 (CPUAPR2018) <a href="#">Patch 27872862</a>	Released April 2018	JSP 11.1.1.7.0 SPU patch
Base Platform Agent home	BP <a href="#">Patch 22317311</a>	Released January 2016	Apply to Agent core Oracle Home, after applying agent patch 25456449, 22342358
Base Platform Agent home	BP <a href="#">Patch 22342358</a>	Released January 2016	Apply 22342358 to Agent sbin Oracle Home after applying agent Patch 28193486. Then apply Patch 22317311. If patches 22342358 and 22317311 were applied earlier, no need to reapply.
Base Platform Fusion Middleware home	SPU <a href="#">Patch 22013598</a>	Released January 2016	Web Cache Patch  Apply to Oracle_WT  Post installation steps are not applicable for Enterprise Manager
Plugin home	BP <a href="#">Patch 28347732</a>	Released July 2018	
Base Platform Agent home	BP <a href="#">Patch 28193486</a>	Released July 2018	
Base Platform Fusion Middleware home	OHS 11.1.1.7.0 SPU for cpujan2018 <a href="#">Patch 27197885</a>	Released January 2018	<a href="#">Note 2314658.1</a> SSL Configuration Required to Secure Oracle HTTP Server After Applying Security Patch Updates  <a href="#">Note 2350321.1</a> Preventing Slow HTTP DoS Attacks on Oracle HTTP Server After Applying Security Patch Updates  See <a href="#">Note 2400141.1</a> before applying this patch  Oracle HTTP Server 11.1.1.7 Patch for Oracle_WT OH
Base Platform Fusion Middleware home	CPU <a href="#">Patch 19345576</a>	Released January 2015	Oracle Process Management and Notification (OPMN) Patch for Oracle_WT OH  See <a href="#">Note 1905314.1</a> , New SSL Protocol and Cipher Options for Oracle Fusion Middleware 11g OPMN/ONS
Base Platform Fusion Middleware home	SPU <a href="#">Patch 17337741</a>	Released October 2013	Oracle Security Service (SSL/Network) Patch for Oracle_WT OH
Base Platform Fusion Middleware home	SPU <a href="#">Patch 25297048</a>	Released January 2017	Oracle ADF Patch 11.1.1.7.1. This patch is necessary for any co-located installations where ADF exists

### 3.2.5 Oracle Enterprise Manager Ops Center

#### Error Correction information for Oracle Enterprise Manager Ops Center

Patch Information	12.4.x	12.3.x	Comments
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Final CPU	-	Jun 2020	
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### Patch Availability for Oracle Enterprise Manager Ops Center

These patches contain Critical Patch Update security vulnerabilities fixes for this release. All previous versions will need to be upgraded to the minimum version. Then, apply the following patches to fix the announced security vulnerabilities. For Oracle Enterprise Manager Ops Center downloads and installation instructions, see <http://www.oracle.com/technetwork/oem/ops-center/oem-ops-center-188778.html>.

Product Home	UNIX	Advisory Number	Comments
12.4.0	OpsCenter UCE patches for CPU Jan 2020 <a href="#">Patch 30670627</a>	Released January 2020	
12.4.0	OpsCenter UI and other patches for CPU October 2019 <a href="#">Patch 30295450</a>	Released October 2019	
12.3.3	OpsCenter UI and other patches for CPU October 2019 <a href="#">Patch 30295446</a>	Released October 2019	
12.3.3	OpsCenter UCE patches for CPU Jan 2020 <a href="#">Patch 30670631</a>	Released January 2020	

### 3.2.6 OSS Support Tools

#### Error Correction information for OSS Support Tools

Patch Information	8.11.x	Comments
Final CPU	-	

### Patch Availability for OSS Support Tools

Product Home	Solaris	Advisory Number	Comments
8.11.16.3.8	BP <a href="#">Patch 22783063</a>	March 2016	See My Oracle Support <a href="#">Note 1153444.1</a> , Oracle Services Tools Bundle (STB) - RDA/Explorer, SNEEP, ACT

### 3.2.7 Oracle Configuration Manager

#### Minimum Product Requirements for Oracle Configuration Manager

Critical Patch Update security vulnerabilities are fixed in the listed releases. Oracle Configuration Manager can be downloaded from MOS ([support.oracle.com](http://support.oracle.com)). Customer can use collector tab to down the Oracle Configuration Manager Collector.

Component	Release	Advisory Number	Comments
Oracle Configuration Manager	12.1.2.0.6	Released October 2018	

### 3.3 Oracle Fusion Middleware

This section contains the following:

- [Section 3.3.1 "Management Pack For Oracle GoldenGate"](#)
- [Section 3.3.2 "NetBeans IDE"](#)
- [Section 3.3.3 "Oracle API Gateway"](#)
- [Section 3.3.4 "Oracle Big Data Discovery"](#)
- [Section 3.3.5 "Oracle Business Intelligence Enterprise Edition"](#)
- [Section 3.3.6 "Oracle Business Intelligence Publisher"](#)
- [Section 3.3.7 "Oracle Complex Event Processing"](#)
- [Section 3.3.8 "Oracle Data Quality for Oracle Data Integrator"](#)
- [Section 3.3.9 "Oracle Data Visualization Desktop"](#)
- [Section 3.3.10 "Oracle Endeca Server"](#)
- [Section 3.3.11 "Oracle Endeca Information Discovery Integrator"](#)
- [Section 3.3.12 "Oracle Endeca Information Discovery Studio"](#)
- [Section 3.3.13 "Oracle Enterprise Data Quality"](#)
- [Section 3.3.14 "Reserved for Future Use"](#)
- [Section 3.3.15 "Oracle Exalogic Patch Set Update \(PSU\)"](#)
- [Section 3.3.16 "Oracle Fusion Middleware"](#)
- [Section 3.3.17 "Oracle Hyperion Analytic Provider Services"](#)
- [Section 3.3.18 "Oracle Hyperion Data Relationship Management"](#)
- [Section 3.3.19 "Oracle Hyperion Enterprise Performance Management Architect"](#)
- [Section 3.3.20 "Oracle Hyperion Essbase"](#)
- [Section 3.3.21 "Oracle Hyperion Financial Close Management"](#)
- [Section 3.3.22 "Oracle Hyperion Financial Management"](#)
- [Section 3.3.23 "Oracle Hyperion Financial Reporting"](#)
- [Section 3.3.24 "Oracle Hyperion Planning"](#)
- [Section 3.3.25 "Oracle Hyperion Profitability and Cost Management"](#)
- [Section 3.3.26 "Oracle Hyperion Strategic Finance"](#)
- [Section 3.3.27 "Oracle Hyperion Workspace"](#)
- [Section 3.3.28 "Oracle Identity and Access Management"](#)
- [Section 3.3.29 "Oracle Identity Management Connector"](#)
- [Section 3.3.30 "Oracle JDeveloper and Oracle ADF"](#)
- [Section 3.3.31 "Oracle Map Viewer"](#)
- [Section 3.3.32 "Oracle Outside In Technology"](#)
- [Section 3.3.33 "Oracle Real Time Decisions Platform"](#)
- [Section 3.3.34 "Oracle Service Architecture Leveraging Tuxedo \(SALT\)"](#)
- [Section 3.3.35 "Oracle SOA Suite"](#)
- [Section 3.3.36 "Oracle Traffic Director"](#)



- [Section 3.3.37 "Oracle Tuxedo"](#)
- [Section 3.3.38 "Oracle Tuxedo System and Applications Monitor Plus \(TSAM Plus\)"](#)
- [Section 3.3.39 "Oracle Web-Tier 11g Utilities"](#)
- [Section 3.3.40 "Oracle WebCenter"](#)
- [Section 3.3.41 "Oracle WebCenter Content \(Formerly Oracle Universal Content Management\)"](#)
- [Section 3.3.42 "Oracle WebCenter Portal"](#)
- [Section 3.3.43 "Oracle WebCenter Sites \(Formerly FatWire Content Server\)"](#)
- [Section 3.3.44 "Oracle WebCenter Sites Community"](#)
- [Section 3.3.45 "Oracle WebCenter Suite"](#)
- [Section 3.3.46 "Oracle WebLogic Portal"](#)
- [Section 3.3.47 "Oracle WebLogic Server"](#)

### 3.3.1 Management Pack For Oracle GoldenGate

#### Error Correction information for Management Pack For Oracle GoldenGate

Patch Information	12.1.3.x	11.2.1.0	Comments
Final CPU	July 2022	April 2020	

#### Patch Availability for Management Pack For Oracle GoldenGate

Product Home	Patch	Advisory Number	Comments
11.2.1.0	Oracle Goldengate Monitor v11.2.1.0.13 or later <a href="#">Patch 27221310</a>	Released April 2018	Oracle GoldenGate Monitor patch

### 3.3.2 NetBeans IDE

#### Minimum Product Requirements for NetBeans IDE

Critical Patch Update security vulnerabilities are fixed in the listed releases. For NetBeans IDE downloads, see <https://netbeans.org/downloads/>

Product Home	Release	Advisory Number	Comments
NetBeans IDE	8.2	Released October 2016	

### 3.3.3 Oracle API Gateway

#### Error Correction information for Oracle API Gateway

Patch Information	11.1.2.4.0	Comments
Final CPU	March 2021	

#### Patch Availability for Oracle API Gateway

Product Home	Patch	Advisory Number	Comments
11.1.2.4.0	OAG 11.1.2.4.0 SPU FOR APRCPU2020 <a href="#">Patch 30901960</a>	CVE-2019-1547	

### 3.3.4 Oracle Big Data Discovery

Minimum Product Requirements for Oracle Big Data Discovery

Critical Patch Update security vulnerabilities are fixed in the listed release only and installations with any prior versions will need to move to the listed version. For Oracle Big Data Discovery downloads, see <https://edelivery.oracle.com> and search for "Oracle Big Data Discovery".

Product	Release	Advisory Number	Comments
Oracle Big Data Discovery	ORACLE BIG DATA DISCOVERY 1.6 SPU FOR APR2020 BP <a href="#">Patch 31136945</a>	CVE-2019-11358, CVE-2019-12415	

### 3.3.5 Oracle Business Intelligence Enterprise Edition

#### Error Correction information for Oracle Business Intelligence Enterprise Edition

Patch Information	12.2.1.4.0	12.2.1.3	11.1.1.9	Comments
Final CPU	-	July 2020	October 2021	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

#### Patch Availability for Oracle Business Intelligence Enterprise Edition 12c

Product Home	Patch	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">Note 1306505.1</a> , Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
12.2.1.4 Oracle Business Intelligence Enterprise Edition and 12.2.1.3 Oracle Business Intelligence Enterprise Edition	See <a href="#">"Oracle Fusion Middleware 12c"</a>	See <a href="#">"Oracle Fusion Middleware 12c"</a>	Apply all 12.2.1.3 patches listed for "Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)"
12.2.1.4 Oracle Business Intelligence Enterprise Edition and 12.2.1.3 Oracle Business Intelligence Enterprise Edition	OSS BUNDLE PATCH 12.2.1.3.200114 <a href="#">Patch 30146266</a>	Released January 2020	Oracle Security Service (SSL/Network) Patch
OAS 5.5.0.0.0	OAS 5.5.0.0.0 SPU FOR APR 2020 <a href="#">Patch 31137429</a>	CVE-2020-2950	Oracle Business Intelligence is rebranded as Oracle Analytics Server

Product Home	Patch	Advisory Number	Comments
12.2.1.4 Oracle Business Intelligence Enterprise Edition	OBI Bundle Patch 12.2.1.4.200414 <a href="#">Patch 30768593</a>	CVE-2015-7940, CVE-2016-1000031, CVE-2020-2950	
12.2.1.3 Oracle Business Intelligence Enterprise Edition	OBI Bundle Patch 12.2.1.3.200414 <a href="#">Patch 30768584</a>	CVE-2015-7940, CVE-2016-1000031, CVE-2020-2950	

### Patch Availability for Oracle Business Intelligence Enterprise Edition 11.1.1.9

Product Home	Patch	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">Note 1306505.1</a> , Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
11.1.1.9	OSS BUNDLE PATCH 11.1.1.9.200114 <a href="#">Patch 30332467</a>	Released January 2020	<a href="#">Note 2572809.1</a> Steps to Evaluate and Update SSL Wallet
11.1.1.9	OPMN <a href="#">Patch 23716938</a>	Released October 2017	
11.1.1.9	BI Suite Bundle Patch 11.1.1.9.200414 <a href="#">Patch 31094216</a>	CVE-2015-7940, CVE-2016-1000031, CVE-2020-2950	
DAC 11.1.1.6.4 home	<a href="#">Patch 27825965</a> - DAC 11.1.1.6.4 / OBI application 7.9.6.4 SPU for apr2018cpu	Released April 2018	Patch can be installed in any home

### 3.3.6 Oracle Business Intelligence Publisher

#### Error Correction information for Oracle Business Intelligence Publisher

Patch Information	12.2.1.4	12.2.1.3	11.1.1.9	Comments
Final CPU	-	July 2020	October 2021	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

#### Patch Availability for Oracle Business Intelligence Publisher

Product Home	Patch	Advisory Number	Comments
OAS 5.5.0.0.0, 12.2.1.3 and 12.2.1.4 Business Intelligence Publisher	See <a href="#">"Oracle Business Intelligence Enterprise Edition"</a>	See <a href="#">"Oracle Business Intelligence Enterprise Edition"</a>	BIP is part of OBI Patch in 12c

Product Home	Patch	Advisory Number	Comments
11.1.1.9	BI Suite Bundle Patch 11.1.1.9.200114 <a href="#">Patch 30677050</a>	Released October 2019	
11.1.1.9	BP <a href="#">Patch 24580895</a>	Released October 2016	Webservice BP
11.1.1.9	11.1.1.9 Interim <a href="#">Patch 17081528</a>	Released October 2016	XDK Interim Patch

### 3.3.7 Oracle Complex Event Processing

#### Error Correction information for Oracle Complex Event Processing

Patch Information	CEP 12.1.3	Comments
Final CPU	October 2020	

#### Patch Availability for Oracle Complex Event Processing

See also the underlying product stack tables (JRockit and WLS) for any applicable patches.

Product Home	Patch	Advisory Number	Comments
12.1.3.0	SPU <a href="#">Patch 21071699</a>	Released July 2015	

### 3.3.8 Oracle Data Quality for Oracle Data Integrator

#### Error Correction information for Oracle Data Quality for Oracle Data Integrator

Patch Information	ODIDQ 11.1.x	Comments
Final CPU	-	

#### Patch Availability for Oracle Data Quality for Oracle Data Integrator

Product Home	Patch	Advisory Number	Comments
11.1.1.3.0	CPU <a href="#">Patch 21418574</a>	Released July 2015	

### 3.3.9 Oracle Data Visualization Desktop

#### Error Correction information for Oracle Data Visualization Desktop

Patch Information	12.2.4.1.1	Comments
Final CPU	-	

#### Patch availability for Oracle Data Visualization Desktop

Product Home	Patch	Advisory Number	Comments
Oracle Data Visualization Desktop 12.2.4.1.1	Patch is available on <a href="http://www.oracle.com/technetwork/middleware/oracle-data-visualization/index.html">http://www.oracle.com/technetwork/middleware/oracle-data-visualization/index.html</a>	Released April 2018	

### 3.3.10 Oracle Endeca Server

### Error Correction information for Oracle Endeca Server

Patch Information	7.7	Comments
Final CPU	January 2021	

### Patch availability for Oracle Endeca Server

Product Home	Patch	Advisory Number	Comments
Oracle Endeca Server 7.7 home	ORACLE ENDECA SERVER 7.7 SPU APRIL 2020 <a href="#">Patch 30507959</a>	CVE-2019-1547	

### 3.3.11 Oracle Endeca Information Discovery Integrator

#### Error Correction information for Oracle Endeca Information Discovery Studio Integrator

Patch Information	3.2	Comments
Final CPU	January 2021	

### Patch availability for Oracle Endeca Information Discovery Studio Integrator

Product Home	Patch	Advisory Number	Comments
Oracle Endeca Information Discovery Integrator 3.2 home	ORACLE ENDECA INFORMATION DISCOVERY INTEGRATOR 3.2 CPU APRIL 2020 <a href="#">Patch 30696395</a>	CVE-2017-12626, CVE-2019-10247	All Patches are cumulative of prior fixes
Oracle Endeca Information Discovery Integrator 3.2 home	ORACLE ENDECA INFORMATION DISCOVERY INTEGRATOR AQUISITION SYSTEM 3.2 SPU JAN 2020 <a href="#">Patch 30472013</a>	Released in January 2020	

### 3.3.12 Oracle Endeca Information Discovery Studio

#### Error Correction information for Oracle Endeca Information Discovery Studio

Patch Information	3.2	Comments
Final CPU	January 2021	

### Patch availability for Oracle Endeca Information Discovery Studio

Product Home	Patch	Advisory Number	Comments
Oracle Endeca Information Discovery Studio 3.2 home	Endeca Information Discovery Studio 3.2 SPU for JANCPU2020 <a href="#">Patch 30758934</a>	Released January 2020	

### 3.3.13 Oracle Enterprise Data Quality

#### Error Correction information for Oracle Enterprise Data Quality

Patch Information	11.1.1.x	Comments
Final CPU	October 2021	

## Patch Availability for Oracle Enterprise Data Quality

Product Home	Patch	Advisory Number	Comments
12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
11.1.1.9	<a href="#">Patch 25084186</a> <a href="#">Patch 25534288</a> (EDQ-CDS)	Released April 2017	Install prior to Java CPUApr2017 JDK/JRE or later version

### 3.3.14 Reserved for Future Use

### 3.3.15 Oracle Exalogic Patch Set Update (PSU)

#### Error Correction information for Oracle Exalogic Patch Set Update (PSU)

Patch Information	2.x	1.x	Comments
Final CPU	-	-	

#### Patch Set Update Availability for Oracle Exalogic

Oracle Exalogic	Patch	Advisory Number	Comments
2.x Physical	2.0.6.3.200414 Physical Linux (for all X2-2, X3-2, X4-2, X5-2, and X6-2) <a href="#">Patch 30888005</a>  2.0.6.3.200414 Physical Solaris (for all X2-2, X3-2, X4-2, X5-2, and X6-2) <a href="#">Patch 30888005</a>	Released in April 2020  Released in April 2020	See <a href="#">Note 1314535.1</a> , Announcing Exalogic PSUs (Patch Set Updates)
2.x Virtual	2.0.6.3.200414 Virtual (for all X2-2, X3-2, X4-2, X5-2, and X6-2) <a href="#">Patch 30888006</a>	Released in April 2020	See <a href="#">Note 1314535.1</a> , Announcing Exalogic PSUs (Patch Set Updates)
1.x	Upgrade to 2.x based on information in the Comments column. Then apply the patches listed above.	Released March 2012 (13795376)  Released February 2013 (15931901)	See <a href="#">Patch 13795376</a> EECS 2.0 PHYSICAL INFRASTRUCTURE UPGRADE KIT (V1.0.0.X.X -> EECS 2.0.0.0.0)  See <a href="#">Patch 15931901</a> Oracle Exalogic 2.0.4.0.0 Upgrade Kit for Exalogic Solaris x86-64 (64 bit)  See <a href="#">Note 1314535.1</a> , Announcing Exalogic PSUs (Patch Set Updates)

### 3.3.16 Oracle Fusion Middleware

For more information on how to identify the components in an Oracle home, see [Note 1591483.1](#), What is Installed in My Middleware or Oracle home?.

This section contains the following:

- [Section 3.3.16.1 "Oracle Fusion Middleware 12c"](#)
  - [Section 3.3.16.1.1 "Oracle Fusion Middleware 12.2.1.4"](#)
  - [Section 3.3.16.1.2 "Oracle Fusion Middleware 12.2.1.3"](#)
- [Section 3.3.16.2 "Oracle Fusion Middleware 11.1.1.9"](#)
- [Section 3.3.16.3 "Oracle Identity Access Management 11.1.2.3"](#)

### 3.3.16.1 Oracle Fusion Middleware 12c

The sections below cover Oracle Fusion Middleware version 12.2.x and 12.1.x

- [Section 3.3.16.1.1 "Oracle Fusion Middleware 12.2.1.4"](#)
- [Section 3.3.16.1.2 "Oracle Fusion Middleware 12.2.1.3"](#)

#### 3.3.16.1.1 Oracle Fusion Middleware 12.2.1.4

##### Error Correction information for Oracle Fusion Middleware 12.2.1.4

Patch Information	12.2.1.4	Comments
Final CPU	Dec 2025	See <a href="#">Note 1933372.1</a> , Error Correction Support Dates for Oracle Fusion Middleware 12c - FMW/WLS
On-Request platforms	-	
Determine Components in an Oracle Home	-	See <a href="#">Note 1591483.1</a> , What is Installed in My Middleware or Oracle home?
Understanding Patch Release Versions	-	See <a href="#">Note 1494151.1</a> , understanding Fusion Middleware Bundle Patch (BP) Release Versions See <a href="#">Note 2565576.1</a> , Understanding WebLogic Server Patch Set Update (PSU) Release Versions

##### Patch Availability for Oracle Fusion Middleware 12.2.1.4

Distribution	Patches	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Maintain the Java SE Installed or Used with FMW 11g/12c Products
All 12.2.1.4 Fusion Middleware Distributions & WebLogic home	OPatch 13.9.4.2.2 <a href="#">Patch 28186730</a> + <a href="#">Patch 31101362</a>	CVE-2019-16943	Update OPatch (Patch 28186730 Patch 31101362) before applying the WLS PSU.  See <a href="#">Note 1587524.1</a> Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c.

Distribution	Patches	Advisory Number	Comments
Oracle WebLogic Server and Coherence  Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)  Oracle HTTP Server  Oracle Forms and Reports (Standalone Forms Builder)  Oracle Internet Directory	WLS PATCH SET UPDATE 12.2.1.4.200228 <a href="#">Patch 30970477</a> + <a href="#">Patch 30761841</a> + <a href="#">Patch 31101341</a>	CVE-2020-2883, CVE-2019-16943, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2867, CVE-2020-2811, CVE-2020-2798	CVE-2019-2888 announced in Oct 2019 Advisory is included in the Jan2020 patch.  WLS PSU should also be applied to all homes with a WLS full or standalone domain.  <a href="#">Patch 30761841</a> is for CVE-2019-17359  <a href="#">Patch 31101341</a> is for CVE-2019-16943
Oracle WebLogic Server and Coherence  Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	Coherence 12.2.1.4.4 <a href="#">Patch 31030896</a>	CVE-2020-2915, CVE-2020-2949	
Oracle Unified Directory	OUD BUNDLE PATCH 12.2.1.4.200204 <a href="#">Patch 30851280</a>	CVE-2019-10247	
Oracle WebCenter Portal	WebCenter Portal Bundle Patch 12.2.1.4.200408 <a href="#">Patch 31163075</a>	CVE-2019-17359, CVE-2019-16943	
Oracle Forms and Reports	Oracle Reports Developer 12.2.1.4.0 SPU <a href="#">Patch 30731161</a>	Released January 2020	
Oracle Webcenter Sites	<a href="#">Patch 31101341</a>	CVE-2019-16943	
Oracle SOA Suite and Business Process	SOA Bundle Patch 12.2.1.4.200304 <a href="#">Patch 30995852</a>	CVE-2019-17359, CVE-2019-10088	

### 3.3.16.1.2 Oracle Fusion Middleware 12.2.1.3

#### Error Correction information for Oracle Fusion Middleware 12.2.1.3

Patch Information	12.2.1.3	Comments
Final CPU	July 2020	See <a href="#">Note 1933372.1</a> , Error Correction Support Dates for Oracle Fusion Middleware 12c - FMW/WLS
On-Request platforms	-	
Determine Components in an Oracle Home	-	See <a href="#">Note 1591483.1</a> , What is Installed in My Middleware or Oracle home?
Understanding Patch Release Versions	-	See <a href="#">Note 1494151.1</a> , understanding Fusion Middleware Bundle Patch (BP) Release Versions  See <a href="#">Note 2565576.1</a> , Understanding WebLogic Server Patch Set Update (PSU) Release Versions



<b>Patch Information</b>	<b>12.2.1.3</b>	<b>Comments</b>
<b>Patch Availability for Oracle Fusion Middleware 12.2.1.3</b>		

Distribution	Patches	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Maintain the Java SE Installed or Used with FMW 11g/12c Products
All 12.2.1.3 Fusion Middleware Distributions & WebLogic home	OPatch 13.9.4.2.2 <a href="#">Patch 28186730</a> + <a href="#">Patch 31101362</a>	CVE-2019-16943	Update OPatch (Patch 28186730 Patch 31101362) before applying the WLS PSU.  See <a href="#">Note 1587524.1</a> Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c.
Oracle WebLogic Server and Coherence  Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)  Oracle HTTP Server  Oracle Forms and Reports (Standalone Forms Builder)  Oracle Internet Directory	WLS PATCH SET UPDATE 12.2.1.3.0(ID:200227.1409) <a href="#">Patch 30965714</a>	CVE-2020-2883, CVE-2019-16943, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2867, CVE-2019-17571, CVE-2020-2811, CVE-2020-2798	Refer to <a href="#">Note 2566635.1</a> for Patch Conflict issue.  WLS PSU should also be applied to all homes with a WLS full or standalone domain  See <a href="#">Note 2395745.1</a> , April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628  See <a href="#">Note 2421480.1</a> , July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933.  See <a href="#">Note 2076338.1</a> , July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852
Identity and Access Management	OAM BUNDLE PATCH 12.2.1.3.191201(ID:191201.0123.S) <a href="#">Patch 30609442</a> or later	CVE-2020-2740, CVE-2020-2745, CVE-2020-2747	
Identity and Access Management Oracle Unified Directory	OUD BUNDLE PATCH 12.2.1.3.191219(ID:191219.0108) <a href="#">Patch 30683109</a>	CVE-2019-10247	
Oracle SOA Suite and Business Process	SOA Bundle Patch 12.2.1.3.0 (ID:200304.0214.0135) <a href="#">Patch 30991249</a>	CVE-2019-17359	

Distribution	Patches	Advisory Number	Comments
Oracle WebCenter Portal	WEBCENTER PORTAL BUNDLE PATCH 12.2.1.3.200414 <a href="#">Patch 30534416</a>	CVE-2019-17359, CVE-2019-16943	
Oracle Webcenter Sites	Webcenter Sites 12.2.1.3.190715 <a href="#">Patch 29957990</a>	CVE-2020-2739, CVE-2019-11358, CVE-2019-16943	For CVE-2019-16943 WLS 12.2.1.3 Apr PSU to be applied. See " <a href="#">Oracle WebLogic Server</a> "
Oracle WebLogic Server and Coherence  Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	Coherence 12.2.1.3.7 Cumulative <a href="#">Patch 31030882</a>	CVE-2020-2915, CVE-2020-2949	
Oracle WebLogic Server and Coherence  Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	WEBLOGIC SAMPLES SPU 12.2.1.3.191015 <a href="#">Patch 30170398</a>	Released October 2019	This patch is a cumulative patch for all Struts 2 CVEs to date.  See <a href="#">Note 2255054.1</a> , Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities
Oracle HTTP Server  Oracle Forms and Reports	OHS (NATIVE) BUNDLE PATCH 12.2.1.3.0 (ID:191219.2319) <a href="#">Patch 30687404</a>	Released January 2020	<a href="#">Note 2568225.1</a> Cumulative README Post-Install Steps for Oracle HTTP Server 12.2.1.3 Bundle Patches
Oracle Forms and Reports	Oracle Reports Developer 12.2.1.3 SPU <a href="#">Patch 30731147</a>	Released January 2020	
Identity and Access Management	OIM BUNDLE PATCH 12.2.1.3.0 (ID:200108.2108) <a href="#">Patch 30735905</a>	Released January 2020	
Oracle HTTP Server  Oracle Forms and Reports (Standalone Forms Builder)  Oracle Internet Directory	OSS BUNDLE PATCH 12.2.1.3.200114 <a href="#">Patch 30146266</a> or later	Released January 2020	
Oracle WebCenter Sites	Support Tools 4.4.2 for Oracle WebCenter Sites 12.2.1.3.0 <a href="#">Patch 30505173</a>	Released January 2020	Support Tools for Webcenter Sites Patch
Oracle Data Integrator	ODI Bundle Patch 12.2.1.3.190708 <a href="#">Patch 29778645</a>	Released October 2019	Patch is released in July 2019, CVE-2019-2943 is announced in Oct CPU.
Oracle Forms and Reports	Forms 12.2.1.3.0 SPU <a href="#">Patch 30410629</a>	Released October 2019	

Distribution	Patches	Advisory Number	Comments
Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	ADF BUNDLE PATCH 12.2.1.3.0 (ID:190924.2139.S) <a href="#">Patch 30347629</a>	Released October 2019	Apply to all Oracle homes installed with an FMW Infrastructure
Oracle Service Bus	OSB BUNDLE PATCH 12.2.1.3.190716 (ID:190716.1831) <a href="#">Patch 30059259</a> or later	Released October 2019	
Oracle WebCenter Sites	Webcenter Sites Bundle Patch 12.2.1.3.190715 <a href="#">Patch 29957990</a>	Released July 2019	
Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW) Oracle HTTP Server	FMW Platform 12.2.1.3.0 SPU FOR APRCPU2019 <a href="#">Patch 29650702</a>	Released April 2019	Apply to all Oracle Fusion Middleware homes
Oracle HTTP Server Oracle Traffic Director Oracle Forms and Reports	OAM Webgate Bundle Patch 12.2.1.3.180622 <a href="#">Patch 28243743</a> or later	Released July 2018	
Oracle Enterprise Data Quality	EDQ 12.2.1.3.0 SPU <a href="#">Patch 28263628</a>	Released July 2018	
Oracle HTTP Server Oracle WebLogic Server Proxy Plug-In (Apache, IIS, iPlanet)	ONS 12.2.1.3.0 SPU Patch <a href="#">Patch 27323998</a>	Released July 2018	
Oracle WebCenter Content	WebCenter Content Bundle Patch 12.2.1.3.180417 <a href="#">Patch 27393392</a> or later	Released April 2018	
Oracle Internet Directory	OID BUNDLE PATCH 12.2.1.3.0 (ID:180116.1256) <a href="#">Patch 27396651</a> or later	Released January 2018	Oracle Internet Directory (OID) Version 12c Bundle Patch (BP) (Including Directory Integration Platform / DIP) / Bundle Patches For Non-Fusion Applications (NonFA / NonP4FA) Customers <a href="#">Note 2355090.1</a>

### 3.3.16.2 Oracle Fusion Middleware 11.1.1.9

#### Error Correction information for Oracle Fusion Middleware 11.1.1.9

Patch Information	11.1.1.9	Comments
Final CPU	October 2021	<a href="#">Note 1290894.1</a> Error Correction Support Dates for Oracle Fusion Middleware 11g (11.1.1/11.1.2)  11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

Patch Information	11.1.1.9	Comments
On-Request platforms	AIX, HP-UX Itanium, and Windows are on request.	
Understanding Patch Release Versions	-	See <a href="#">Note 1494151.1</a> , Understanding Fusion Middleware Bundle Patch (BP) Release Versions.

### Patch Availability for Oracle Fusion Middleware 11.1.1.9

Product Home	Patches	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">Note 1306505.1</a> , Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
Oracle WebCenter 11.1.1.9 home	WebCenter Portal Bundle Patch 11.1.1.9.200414 <a href="#">Patch 31164776</a>	CVE-2019-17359	Oracle WebCenter Portal 11.1.1.9 Patch  See <a href="#">Note 2029169.1</a> , Changes to Portlet standards request dispatching of Resource Requests
Oracle Web Tier 11.1.1.9 home Identity Management 11.1.1.9 home Oracle Identity Access Management 11.1.2.3.0 home	OHS 11.1.1.9.0 SPU FOR APRCPU2020 <a href="#">Patch 31047338</a>	CVE-2020-2952, CVE-2017-5130	Oracle HTTP Server 11.1.1.9 Patch  <a href="#">Note 2626956.1</a> Cumulative README Post-Install Steps for Oracle HTTP Server 11.1.1.9 Critical Patch Update
Oracle Identity Management 11.1.1.9 home (with OID) Oracle Web Tier 11.1.1.9 home	OSS BUNDLE PATCH 11.1.1.9.200114 <a href="#">Patch 30332467</a>	Released January 2020	<a href="#">Note 2572809.1</a> Steps to Evaluate and Update SSL Wallet

Product Home	Patches	Advisory Number	Comments
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home  Oracle Identity Access Management 11.1.2.3.0 home	ADF SPU 11.1.1.9.0 FOR OCTCPU2019 <a href="#">Patch 30368663</a>	Released October 2019	
OSB 11.1.1.9 home	OSB Bundle Patch 11.1.1.9.191015 <a href="#">Patch 30002341</a>	Released October 2019	OSB Patch
Oracle Identity Management 11.1.1.9 home	OVD 11.1.1.9.0 SPU for October 19 <a href="#">Patch 30281334</a>	Released October 2019	Oracle Virtual Directory (OVD) Patch  OVD 11g: Oracle Virtual Directory SPU (Security Patch Update) Patches <a href="#">Note 2318003.1</a>
ODI 11.1.1.9 Home	ODI BP 11.1.1.9.190118 <a href="#">Patch 29194561</a>	Released April 2019	Oracle Data Integrator Patch
SOA 11.1.1.9 home	SOA Bundle Patch 11.1.1.9.0 (ID:181218.1300) <a href="#">Patch 29123005</a> or later	Released January 2019	SOA Patch
Oracle Web Tier 11.1.1.9 home	Oracle Web Cache SPU 11.1.1.9.0 CPUJan2019 <a href="#">Patch 28855717</a>	Released January 2019	Web Cache Patch  See <a href="#">Note 2095166.1</a> , Oracle Web Cache 11.1.1.7/11.1.1.9 SSL Cipher Suite Changes Beginning with CPU January 2016 and <a href="#">Note 2494468.1</a> , How to Disable ESI in Oracle Web Cache
Oracle WebCenter 11.1.1.9 home	WCC BP 11.1.1.9.180226 <a href="#">Patch 27393411</a>	Released April 2018	WebCenter Content Patch
Oracle Identity Management 11.1.1.9 home	OID bundle patch 11.1.1.9.171127 <a href="#">Patch 26850241</a> , or later	Released January 2018	Oracle Internet Directory Patch  See <a href="#">Note 2420947.1</a> for additional information about Oracle Internet Directory Vulnerability CVE-2015-0204  Oracle Internet Directory (OID) Version 11g Bundle Patch (BP) (Including Directory Integration Platform / DIP) / Bundle Patches For Non-Fusion Applications (NonFA / NonP4FA) Customers <a href="#">Note 1614114.1</a>

Product Home	Patches	Advisory Number	Comments
Oracle Identity Management 11.1.1.9 home (with OID)  Oracle Web Tier 11.1.1.9 home  Oracle Identity Access Management 11.1.2.3.0 home	OPMN <a href="#">Patch 23716938</a>	Released October 2017	OPMN 11.1.1.9 required patch for integration with OSS  <a href="#">Note 2566042.1</a> SSL Configuration Required to Secure OPMN 11.1.1.9
OSB 11.1.1.9 home	<a href="#">Patch 24847885</a>	Released April 2017	OSB Patch  Install prior to Java CPUApr2017 JDK/JRE or later version
Oracle FMW 11.1.1.9 ORACLE_COMMON home  Oracle Identity Access Management 11.1.2.3.0 home	JRF BP 11.1.1.9.160905 <a href="#">Patch 23243563</a> or later	Released January 2017	JRF BP
Oracle Identity Management 11.1.1.9 home  Oracle Web Tier 11.1.1.9 home  Oracle Identity Access Management 11.1.2.3.0 home	BP <a href="#">Patch 24580895</a>	Released October 2016	Web Services BP
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home  Oracle Identity Access Management 11.1.2.3.0 home	SPU <a href="#">Patch 22567790</a>	Released in July 2016	FMW Control Patch applies to oracle_common OH for 11.1.1.9.0
Oracle Web Tier 11.1.1.9 home  Identity Management 11.1.1.9 home  Oracle Identity Access Management 11.1.2.3.0 home	DB PSU <a href="#">Patch 22290164</a> for Unix  DB BP <a href="#">Patch 22607089</a> for Windows 32-Bit  DB BP <a href="#">Patch 22607090</a> for Windows x64	Release January 2016	Database 11.1.0.7 client patches for FMW 11.1.1.x/11.1.2.x only

### 3.3.16.3 Oracle Identity Access Management 11.1.2.3

#### Error Correction information for Oracle Identity Access Management 11.1.2.3

Patch Information	11.1.2.3	Comments
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Final CPU	Oct 2021	<a href="#">Note 1290894.1</a> Error Correction Support Dates for Oracle Fusion Middleware 11g (11.1.1/11.1.2)
On-Request platforms	-	
Understanding Patch Release Versions	-	See <a href="#">Note 1494151.1</a> , Understanding Fusion Middleware Bundle Patch (BP) Release Versions.

### Patch Availability for Oracle Identity Access Management 11.1.2.3

Product Home	Patches	Advisory Number	Comments
Oracle Database home	See <a href="#">"Oracle Database"</a>	See <a href="#">"Oracle Database"</a>	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">"Oracle WebLogic Server"</a>	See <a href="#">Note 1306505.1</a> , Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
Oracle Identity and Access Management 11.1.2.3 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	Apply Fusion Middleware patches with Oracle Identity and Access Management 11.1.2.3 home
Oracle Identity Management 11.1.2.3 home	OIM BUNDLE PATCH 11.1.2.3.0(ID:190922.2323) <a href="#">Patch 30338509</a> or later  OR  IDM SUITE BUNDLE PATCH 11.1.2.3.191015 <a href="#">Patch 30292098</a>	Released January 2020	
Oracle Identity Access Management 11.1.2.3 home	<a href="#">Patch 30292098</a> - IDM Suite Bundle Patch 11.1.2.3.191015  OR  <a href="#">Patch 30386537</a> - OAM BUNDLE PATCH 11.1.2.3.191004(ID:191004.0426)	CVE-2020-2740, CVE-2020-2745, CVE-2020-2747	
Oracle Identity Access Management 11.1.2.3.0 home	OAAM Server 11.1.2.3.0 SPU for October18 <a href="#">Patch 28750460</a>	Released October 2018	Oracle Adaptive Access Manager Patch
Oracle WebGate 11.1.2.3 Home	<a href="#">Patch 27953548</a> - OAM webgate bundle patch 11.1.2.3.180717 or later	Released July 2018	

### 3.3.17 Oracle Hyperion Analytic Provider Services

### Error Correction information for Oracle Hyperion Analytic Provider Services

Patch Information	11.1.2.x	Comments
Final CPU	April 2021	

### Patch Availability for Oracle Hyperion Analytic Provider Services

Product Home	Patch	Advisory Number	Comments
11.1.2.3	SPU <a href="#">Patch 20184072</a> SPU <a href="#">Patch 20184082</a>	Released October 2015	
11.1.2.2	SPU <a href="#">Patch 18148649</a>	Released July 2014	

### 3.3.18 Oracle Hyperion Data Relationship Management

#### Error Correction information for Oracle Hyperion Data Relationship Management

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Hyperion Data Relationship Management

Product Home	Patch	Advisory Number	Comments
11.1.2.4	Hyperion Data Relationship Management 11.1.2.4.347 PSU; <a href="#">Patch 28818149</a>	Released October 2019	

### 3.3.19 Oracle Hyperion Enterprise Performance Management Architect

#### Error Correction information for Oracle Hyperion Enterprise Performance Management Architect

Patch Information	11.1.2.x	Comments
Final CPU	April 2021	

### Patch Availability for Oracle Hyperion Enterprise Performance Management Architect

Product Home	Patch	Advisory Number	Comments
11.1.2.3	SPU <a href="#">Patch 19466859</a> SPU <a href="#">Patch 20929659</a>	Released July 2015	
11.1.2.2	SPU On-Request	Released July 2015	

### 3.3.20 Oracle Hyperion Essbase

#### Error Correction information for Oracle Hyperion Essbase

Patch Information	11.1.2.x	Comments
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Final CPU	April 2021	
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### Patch Availability for Oracle Hyperion Essbase

Product Home	Patch	Advisory Number	Comments
11.1.2.4	11.1.2.4.025 PSU <a href="#">Patch 27797123</a> (Essbase RTC) 11.1.2.4.025 PSU <a href="#">Patch 27797126</a> (Essbase Client) 11.1.2.4.025 PSU <a href="#">Patch 27797117</a> (Essbase Client MSI) 11.1.2.4.025 PSU <a href="#">Patch 27797131</a> (Essbase Server) 11.1.2.4.025 PSU <a href="#">Patch 27797138</a> (ANALYTIC PROVIDER SERVICES) 11.1.2.4.016 PSU <a href="#">Patch 25225889</a> (Studio Server) 11.1.2.4.016 PSU <a href="#">Patch 25225885</a> (Studio Console) 11.1.2.4.0.025 PSU <a href="#">Patch 28285151</a> (ESSBASE ADMINISTRATION SERVICES SERVER) 11.1.2.4.025 PSU <a href="#">Patch 28285134</a> (ESSBASE ADMIN SERVICES CONSOLE)	Released October 2018	Install prior to Java CPUApr2017 JDK/JRE or later version
11.1.2.3	11.1.2.3.508 PSU <a href="#">Patch 22347375</a> (RTC) 11.1.2.3.508 PSU <a href="#">Patch 22347367</a> (Client) 11.1.2.3.508 PSU <a href="#">Patch 22314799</a> (Server)	Released April 2017	
11.1.2.2	Upgrade to Hyperion Essbase 11.1.2.3, then apply the patches listed above	Released July 2015	

### 3.3.21 Oracle Hyperion Financial Close Management

#### Error Correction details for Oracle Hyperion Financial Close Management

Patch Information	11.1.2..x	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Hyperion Financial Close Management

Product Home	Patch	Advisory Number	Comments
11.1.2.4	PSU 11.1.2.4.253 <a href="#">Patch 29060830</a>	Released July 2019	

### 3.3.22 Oracle Hyperion Financial Management

### Error Correction information for Oracle Hyperion Financial Management

Patch Information	11.1.2.0	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Hyperion Financial Management

Product Home	Patch	Advisory Number	Comments
11.1.2.0	SPU Patch <a href="#">Patch 28314691</a>	Released October 2018	Hyperion Shared Service Patch for Common Events Service used by Hyperion Financial Management
11.1.2.4	PSU 11.1.2.4.209 <a href="#">Patch 29343616</a> + JDev ADF <a href="#">Patch 30378046</a>	CVE-2020-2777, CVE-2019-2899	

### 3.3.23 Oracle Hyperion Financial Reporting

#### Error Correction information for Oracle Hyperion Financial Reporting

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Hyperion Financial Reporting

Product Home	Patch	Advisory Number	Comments
11.1.2	Jdev 11.1.1.7.1 SPU <a href="#">Patch 27457998</a>	Released July 2018	Jdev ADF Patch needs to be applied to Hyperion Financial Reporting Home. To download this patch please contact support to get the password.
11.1.2.4	PSU 11.1.2.4.712 <a href="#">Patch 30670918</a> PSU 11.1.2.4.902 <a href="#">Patch 30670918</a>	CVE-2020-2769	

### 3.3.24 Oracle Hyperion Planning

#### Error Correction information for Oracle Hyperion Planning

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Hyperion Planning

Product Home	Patch	Advisory Number	Comments
11.1.2.4	PSU <a href="#">Patch 29889455</a>	Released July 2019	

Product Home	Patch	Advisory Number	Comments
11.1.2.4	JDev 11.1.1.7.1 SPU <a href="#">Patch 30378046</a>	Released October 2019	JDev ADF Patch needs to be applied to Hyperion Planning. To download this patch please contact Support to get the password.

### 3.3.25 Oracle Hyperion Profitability and Cost Management

#### Error Correction information for Oracle Hyperion Profitability and Cost Management

Patch Information	11.1.2.4	Comments
Final CPU	October 2021	

#### Patch Availability for Oracle Hyperion Profitability and Cost Management

Product Home	Patch	Advisory Number	Comments
11.1.2.4	11.1.2.4.130 PSU; <a href="#">Patch 29461894</a>	Released October 2019	

### 3.3.26 Oracle Hyperion Strategic Finance

#### Error Correction information for Oracle Hyperion Strategic Finance

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

#### Patch Availability for Oracle Hyperion Strategic Finance

Product Home	Patch	Advisory Number	Comments
11.1.2.2	CPU <a href="#">Patch 14593946</a>	Released April 2014	
11.1.2.1	CPU <a href="#">Patch 17636270</a>	Released April 2014	

### 3.3.27 Oracle Hyperion Workspace

#### Error Correction information for Oracle Hyperion Workspace

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

#### Patch Availability for Oracle Hyperion Workspace

Product Home	Patch	Advisory Number	Comments
11.1.2 Home	11.1.2.4.009 SPU <a href="#">Patch 29115044</a> apply Weblogic 10.3.6 Latest PSU. See " <a href="#">Oracle WebLogic Server</a> " Section	Released July 2019	R&A Framework Patch

### 3.3.28 Oracle Identity and Access Management

For the appropriate product versions listed below, refer to the corresponding Oracle Fusion Middleware patch availability sections that contain information on Error Correction, and for the patches to apply. Not all homes that are listed in those sections might be present in the Oracle Identity Access Management installation. Only the relevant homes from those tables need to be patched.

#### Patch Availability for Oracle Identity Access Management

Product Home	Patches	Comments
Oracle Identity and Access Management	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
Oracle Identity Access Management 11.1.2.3 home	See <a href="#">"Oracle Identity Access Management 11.1.2.3"</a>	IAM products listed in <a href="#">Note 1510284.1</a> , Announcing Oracle Identity Access Management 11g Release 2 (11.1.2)
Oracle Identity Management 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	FMW 11.1.1.9 table for IDM products listed in <a href="#">Note 2003468.1</a> , Announcing Oracle Fusion Middleware 11g Release 1 (11.1.1.9.0)

### 3.3.29 Oracle Identity Management Connector

#### Error Correction information for Oracle Identity Management Connector

Patch Information	9.1.1.5	Comments
Final CPU	-	

#### Patch Availability for Oracle Identity Management Connector

Product Version	Patch	Advisory Number	Comments
Microsoft AD connector 9.1.1.5	OIM Connector 9.1.1.5.15 <a href="#">Patch 25028999</a>	Released October 2017	
ca top secret connector 9.1.0.4	OIM Connector 9.1.0.4 <a href="#">Patch 30957291</a>	CVE-2018-15756, CVE-2019-0222	9.0.x customers should upgrade to 9.1.0.x
RACF adv connector 9.1.0.2	OIM Connector 9.1.0.2 <a href="#">Patch 31058957</a>	CVE-2018-15756, CVE-2019-0222	9.0.x customers should upgrade to 9.1.0.x
acf2 connector 9.1.0.1	OIM Connector 9.1.0.1 <a href="#">Patch 31101274</a>	CVE-2018-15756, CVE-2019-0222	9.0.x customers should upgrade to 9.1.0.x

### 3.3.30 Oracle JDeveloper and Oracle ADF

#### Error Correction information for Oracle JDeveloper and Oracle ADF

Comments

Patch Information	12.2.1.4	12.2.1.3	11.1.2.4	11.1.1.9	
Final CPU	December 2025	July 2020	October 2021	October 2021	11.1.2.4 and 11.1.1.9.0: End of Error Correction for Extended Support Customer only beyond Dec 2018
Understanding Patch Release Versions	See <a href="#">Note 1494151.1</a> , Understanding Fusion Middleware Bundle Patch (BP) Release Versions.				

#### Critical Patch Update Availability for Oracle JDeveloper and Oracle ADF

Release	Patch	Advisory Number	Comments
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12.2.1.3.0	ADF BUNDLE PATCH 12.2.1.3.0 (ID:190924.2139.S) <a href="#">Patch 30347629</a>	Released October 2019	
11.1.2.4.0	ADF SPU 11.1.2.4.0 for OctCPU2019 <a href="#">Patch 30380494</a>	Released October 2019	
11.1.1.9.0	ADF SPU 11.1.1.9.0 FOR OCTCPU2019 <a href="#">Patch 30368663</a>	Released October 2019	

### 3.3.31 Oracle Map Viewer

#### Error Correction information for Oracle Map Viewer

Patch Information	12.2.1.4	12.2.1.3	11.1.1.9	Comments
Final CPU	December 2025	July 2020	October 2021	1.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

#### Patch Availability for Oracle Map Viewer

Product Home	Patch	Advisory Number	Comments
12.2.1.3	Mapviewer 12.2.1.3.0 SPU <a href="#">Patch 30837289</a>	CVE-2019-13990, CVE-2019-11358	
11.1.1.9	SPU <a href="#">Patch 27534923</a>	Released April 2018	

### 3.3.32 Oracle Outside In Technology

#### Error Correction information for Oracle Outside In Technology

Patch Information	8.5.5	8.5.4	Comments
Final CPU	-	July 2020	

#### Patch Availability for Oracle Outside In Technology

Product Home	Patch	Advisory Number	Comments
Oracle Outside In Technology 8.5.5	ORACLE OUTSIDE IN TECHNOLOGY (OIT) APRIL 2020 8.5.5 BUNDLE PATCH #1 <a href="#">Patch TBD</a>	CVE-2020-2783, CVE-2019-16168, CVE-2020-2785, CVE-2020-2787, CVE-2020-2786, CVE-2019-15903, CVE-2018-20622, CVE-2016-10328	For patch availability, see section <a href="#">2.2 Post Release Patches</a>
Oracle Outside In Technology 8.5.4	ORACLE OUTSIDE IN TECHNOLOGY (OIT) APRIL 2020 8.5.4 BUNDLE PATCH #8 <a href="#">Patch 31083998</a>	CVE-2020-2784, CVE-2020-2785, CVE-2020-2786, CVE-2020-2787, CVE-2019-16168, CVE-2016-10328, CVE-2018-20622, CVE-2018-20843, CVE-2020-2783, CVE-2019-15903	

### 3.3.33 Oracle Real Time Decisions Platform

#### Error Correction information for Oracle Real Time Decisions Platform

Describes the Error Correction information for Oracle Real Time Decisions Platform.

Patch Information	3.2	Comments
Final CPU	July 2022	

### Patch Availability for Oracle Real Time Decisions Platform

Describes the available patches for Oracle Real Time Decisions Platform.

Product Home	Patch	Advisory Number	Comments
Oracle Real Time Decisions Platform 3.2 home	RTD Platform 3.2.1 SPU for October CPU 2018 <a href="#">Patch 28722658</a>	Released October 2018	

### 3.3.34 Oracle Service Architecture Leveraging Tuxedo (SALT)

#### Error Correction information for Oracle Service Architecture Leveraging Tuxedo (SALT)

Patch Information	12.2.2.0.x	12.1.3	Comments
Final CPU	Oct 2024	Oct 2020	

#### Patch Availability for Oracle Service Architecture Leveraging Tuxedo (SALT)

Product Home	Patch	Advisory Number	Comments
Oracle Service Architecture Leveraging Tuxedo (SALT) 12.2.2.0.x home	Oracle SALT 12.2.2.0.0 SPU FOR CPUJan2019 <a href="#">Patch 29169314</a>	Released January 2019	
Oracle Service Architecture Leveraging Tuxedo (SALT) 12.1.3.0.x home	Oracle SALT 12.1.3.0.0 SPU FOR CPUJan2019 <a href="#">Patch 29169322</a>	Released January 2019	

### 3.3.35 Oracle SOA Suite

For the appropriate product versions listed below, refer to the corresponding Oracle Fusion Middleware patch availability sections that contain information on Error Correction, and for the patches to apply. Not all homes that are listed in those sections might be present in the Oracle SOA Suite installation. Only the relevant homes from those tables need to be patched.

#### Patch Availability for Oracle SOA Suite

Product Home	Patches	Comments
Oracle SOA Suite 12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
Oracle SOA Suite 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	

### 3.3.36 Oracle Traffic Director

#### Error Correction information for Oracle Traffic Director

Patch Information	11.1.1.9	Comments
Final CPU	October 2021	

### Patch Availability for Oracle Traffic Director

Product Home	Patch	Advisory Number	Comments
11.1.1.9	Oracle Traffic Director SPU <a href="#">Patch 29340480</a>	Released April 2019	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

### 3.3.37 Oracle Tuxedo

#### Error Correction information for Oracle Tuxedo

Patch Information	12.2.2.0	12.1.3.0	12.1.1.0	Comments
Final CPU	April 2024	April 2022	July 2020	

#### Patch Availability for Oracle Tuxedo

Product Home	Patches	Advisory Number	Comments
12.2.2.0	rp029 oracle tuxedo 12.2.2 SPU for JULCPU2018 Linux <a href="#">Patch 28090531</a>  rp029 oracle tuxedo 12.2.2 SPU for JULCPU2018 win-64 with vs2015 <a href="#">Patch 28124771</a>  rp029 oracle tuxedo 12.2.2 SPU for JULCPU2018 win-32 with vs2015 <a href="#">Patch 28124779</a>	Released July 2018	For CVE-2017-10269, see extra settings required with these cumulative patches in <a href="#">Note 2326009.1</a>
12.1.3.0	RP117 TUXEDO 12.1.3.0 SPU FOR CPUJAN2020 <a href="#">Patch 30596495</a>  RP117 TUXEDO 12.1.3.0 SPU (WINDOWS VS2013) FOR CPUJAN2020 <a href="#">Patch 30601651</a>  RP117 TUXEDO 12.1.3.0 SPU (WINDOWS VS2012) FOR CPUJAN2020 <a href="#">Patch 30601637</a>	Released January 2020	For CVE-2017-10269, see extra settings required with these cumulative patches in <a href="#">Note 2326009.1</a>
12.1.1.0	RP100 TUXEDO 12.1.1.0 SPU FOR CPUJAN2020 <a href="#">Patch 30471168</a>  RP100 TUXEDO 12.1.1.0 SPU (WINDOWS VS2010) FOR CPUJAN2020 <a href="#">Patch 30471706</a>  RP100 TUXEDO 12.1.1.0 SPU (WINDOWS VS2012) FOR CPUJAN2020 <a href="#">Patch 30487619</a>	Released January 2020	

### 3.3.38 Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus)

#### Error Correction Information for Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus)

Patch Information	12.2.2	12.1.3	12.1.1.1	Comments
Final CPU	April 2024	April 2022	July 2020	

#### Patch Availability for Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus)

Product Home	Patches	Advisory Number	Comments
TSAM Plus 12.2.2	RP002 <a href="#">Patch 25389632</a>	Released July 2017	

TSAM Plus 12.1.3	RP019 FOR LINUX 64-BIT X86 <a href="#">Patch 27379436</a>	Released January 2018	
TSAM Plus 12.1.1.1	RP025 <a href="#">Patch 23707307</a>	Released July 2017	

### 3.3.39 Oracle Web-Tier 11g Utilities

For the appropriate product versions listed below, refer to the corresponding Oracle Fusion Middleware patch availability sections that contain information on Error Correction, and for the patches to apply. Not all homes that are listed in those sections might be present in the Oracle Web-Tier 11g Utilities installation. Only the relevant homes from those tables need to be patched.

#### Patch Availability for Oracle Web-Tier 11g Utilities

Product Home	Patches	Comments
FMW 12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
Oracle Web-Tier 11g Utilities 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	

### 3.3.40 Oracle WebCenter

For the appropriate product versions listed below, refer to the corresponding Oracle Fusion Middleware patch availability sections that contain information on Error Correction, and for the patches to apply. Not all homes that are listed in those sections might be present in the Oracle WebCenter installation. Only the relevant homes from those tables need to be patched.

#### 3.3.41 Oracle WebCenter Content (Formerly Oracle Universal Content Management)

##### Patch Availability for Oracle WebCenter Content

Component	Patch	Advisory Number	Comments
FMW 12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>		
Oracle WebCenter Content 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

### 3.3.42 Oracle WebCenter Portal

#### Error Correction information for Oracle WebCenter Portal

Patch Information	12.2.1.4	12.2.1.3	11.1.1.9	Comments
Final CPU	October 2025	July 2020	December 2021	

#### Patch Availability for Oracle WebCenter Portal

Product Home	Patches	Comments
FMW 12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
Oracle WebCenter 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

### 3.3.43 Oracle WebCenter Sites (Formerly FatWire Content Server)

#### Error Correction information for Oracle WebCenter Sites (formerly FatWire Content Server)



Patch Information	12.2.1.4	12.2.1.3.0	11.1.1.8	Comments
Final CPU	October 2025	July 2020	October 2021	

### Patch Availability for Oracle WebCenter Sites

Product Home	Patch	Advisory Number	Comments
12c home	See <a href="#">"Oracle Fusion Middleware 12c"</a>	See <a href="#">"Oracle Fusion Middleware 12c"</a>	
11.1.1.8 home	Oracle WebCenter Sites 11.1.1.8.0 Patch 21 <a href="#">Patch 29118979</a>	Released January 2019	for FMW 11.1.1.7.0 patches, refer to the <a href="#">Final CPU section</a>

### 3.3.44 Oracle WebCenter Sites Community

#### Error Correction information for Oracle WebCenter Sites Community

Patch Information	11.1.1.8	Comments
Final CPU	-	

### Patch Availability for Oracle WebCenter Sites Community

Product Home	Patch	Advisory Number	Comments
11.1.1.8 home	11.1.1.8.0 Patch 5 SPU <a href="#">Patch 26951713</a> or later	Released January 2018	See <a href="#">"Oracle WebCenter 11.1.1.8"</a>

### 3.3.45 Oracle WebCenter Suite

For the appropriate product versions listed below, refer to the corresponding Oracle Fusion Middleware patch availability sections that contain information on Error Correction, and for the patches to apply. Not all homes that are listed in those sections might be present in the Oracle WebCenter Suite installation. Only the relevant homes from those tables need to be patched.

#### Patch Availability for Oracle WebCenter Suite

Product Home	Patches	Comments
Oracle WebCenter Suite 11.1.1.9 home	See <a href="#">"Oracle Fusion Middleware 11.1.1.9"</a>	

### 3.3.46 Oracle WebLogic Portal

#### Error Correction information for Oracle WebLogic Portal

Patch Information	10.3.7.0	Comments
Final CPU	October 2021	<a href="#">Note 1308963.1</a> Error Correction Policy as it applies to Oracle WebLogic Portal (WLP)

#### Critical Patch Update Availability for WebLogic Portal

See also the underlying product stack tables (JRockit and WLS) for any applicable patches.

WebLogic Portal patches are cumulative to include all the prior published advisories. For more information, see My Oracle Support [Note 1355929.1](#), October 2011 Updates Introduce New WebLogic Portal (WLP) Configuration Options for SSL Session ID and SSL Filters.

WebLogic Portal 9.2.3.0 is bundled with WebLogic Server 9.2.3.0, which is out of error correction. Contact Oracle support for security patches needed for WebLogic Server 9.2.3.0

Product Home	Patch	Advisory Number	Comments
WebLogic Portal 10.3.7.0 home	There are no CPU patches to document on 10.3.7.0	none	

### 3.3.47 Oracle WebLogic Server

#### Error Correction information for Oracle WebLogic Server Patch Set Update

Patch Information	12.2.1.4.0	12.2.1.3.0	12.1.3.0	10.3.6.0	Comments
Final CPU	-	-	October 2020	October 2021	<a href="#">Note 950131.1</a> Error Correction Support Dates for Oracle WebLogic Server  12.1.3 and 10.3.6.0 End of Error Correction for Extended Support Customer only beyond Dec 2018
Understanding Patch Release Versions	-	-	-	-	See <a href="#">Note 2565576.1</a> , Understanding WebLogic Server Patch Set Update (PSU) Release Versions

#### Patch Set Update Availability for Oracle WebLogic Server

For more information, see MyOracleSupport [Note 1470197.1](#), Patch Set Update (PSU) Release Listing for Oracle WebLogic Server (WLS). See [Note 1306505.1](#), Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)

Product Home	Patch	Advisory Number	Comments
Oracle Java SE home Oracle JRockit 28.x home	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 2648984.1</a> , Oracle Critical Patch Update (CPU) April 2020 for Oracle Java SE	See <a href="#">Note 1492980.1</a> , How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server 12.2.1.3/12.2.1.4 home	OPatch 13.9.4.2.2 <a href="#">Patch 28186730</a> + <a href="#">Patch 31101362</a>	CVE-2019-16943	Update OPatch (Patch 28186730 Patch 31101362) before applying the WLS PSU.  See <a href="#">Note 1587524.1</a> Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c.
WebLogic Server 12.2.1.4 home	WLS PATCH SET UPDATE 12.2.1.4.200228 <a href="#">Patch 30970477</a> + <a href="#">Patch 30761841</a> + <a href="#">Patch 31101341</a>	CVE-2020-2883, CVE-2019-16943, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2867, CVE-2020-2811, CVE-2020-2798	CVE-2019-2888 announced in Oct 2019 Advisory is included in the Jan2020 patch.  <a href="#">Patch 30761841</a> is for CVE-2019-17359  <a href="#">Patch 31101341</a> is for CVE-2019-16943

Product Home	Patch	Advisory Number	Comments
WebLogic Server 12.2.1.3 home	WLS PATCH SET UPDATE 12.2.1.3.0(ID:200227.1409) <a href="#">Patch 30965714</a>	CVE-2020-2883, CVE-2019-16943, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2867, CVE-2019-17571, CVE-2020-2811, CVE-2020-2798	<p>Refer to <a href="#">Note 2566635.1</a> for Patch Conflict issue.</p> <p>CVE-2018-3213 Is addressed in Docker Images published after September 13, 2018. Latest docker image at <a href="https://container-registry.oracle.com">https://container-registry.oracle.com</a>.</p> <p>See <a href="#">Note 2395745.1</a>, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628</p> <p>See <a href="#">Note 2421480.1</a>, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933.</p> <p>See <a href="#">Note 2076338.1</a> July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852</p>
WebLogic Server 12.1.3.0 home	WLS PATCH SET UPDATE 12.1.3.0.200414 <a href="#">Patch 30857795</a>	CVE-2020-2883, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2867, CVE-2019-17571, CVE-2020-2811, CVE-2020-2798	<p>Refer to <a href="#">Note 2566635.1</a> for Overlay Patch Conflict issue</p> <p>See <a href="#">Note 2395745.1</a>, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628</p> <p>See <a href="#">Note 2421480.1</a>, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933</p> <p>See <a href="#">Note 2076338.1</a> July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852</p>

Product Home	Patch	Advisory Number	Comments
WebLogic Server 10.3.6.0 home	WLS PATCH SET UPDATE 10.3.6.0.200414 <a href="#">Patch 30857748</a>	CVE-2020-2883, CVE-2020-2869, CVE-2020-2766, CVE-2020-2884, CVE-2020-2801, CVE-2020-2828, CVE-2019-17571, CVE-2020-2811, CVE-2020-2798, CVE-2020-2829	See <a href="#">Note 1607170.1</a> , SSL Authentication Problem Using WebLogic 10.3.6 and 12.1.1 With JDK1.7.0_40 or Higher  See <a href="#">Note 2395745.1</a> , April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628  See <a href="#">Note 2421480.1</a> , July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933.  See <a href="#">Note 2076338.1</a> July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852
WebLogic Server 12.1.3.0 home  WebLogic Server 10.3.6.0 home	WLS 12.1.3 JDBC <a href="#">Patch 20741228</a>  WLS 10.3.6 JDBC <a href="#">Patch 27541896</a>	Released January 2018	Please refer to <a href="#">Note 1970437.1</a> How To Update the JDBC and UCP Drivers Bundled with WebLogic Server 10.3.6 and 12c
Oracle WebLogic Server and Coherence 12.2.1.4 home  Oracle WebLogic Server and Coherence 12.2.1.3 home  Oracle WebLogic Server and Coherence 12.1.3.0 home  Oracle WebLogic Server and Coherence 10.3.6.0 home	Coherence 12.2.1.4.4 <a href="#">Patch 31030896</a>  Coherence 12.2.1.3.7 <a href="#">Patch 31030882</a>  Coherence 12.1.3.0.8 <a href="#">Patch 31030870</a>  Coherence 3.7.1.18 <a href="#">Patch 31030847</a>	CVE-2020-2915, CVE-2020-2949	Coherence Patch
WebLogic Server 12.2.1.3.0 home  WebLogic Server 12.1.3.0.0 home  WebLogic Server 10.3.6.0.0 home	WEBLOGIC SAMPLES SPU 12.2.1.3.191015 <a href="#">Patch 30170398</a>  and  WEBLOGIC SAMPLES SPU 12.1.3.0.191015 <a href="#">Patch 30170397</a>	Released October 2019	This patch is a cumulative patch for all Struts 2 CVEs to date. For more information, see: <a href="#">Note 2255054.1</a> Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities
WebLogic Server 12.1.3.0 home	SPU <a href="#">Patch 24327938</a>	Released July 2016	TopLink JPA-RS patch

Product Home	Patch	Advisory Number	Comments
WebLogic Server 12.1.3.0 home	See <a href="#">Note 1936300.1</a>	Released October 2014	SSL V3.0 "Poodle" Advisory
WebLogic Server 10.3.6.0 home			

### 3.4 Oracle Sun Middleware

This section contains the following:

- [Section 3.4.1 "Directory Server Enterprise Edition"](#)
- [Section 3.4.2 "Reserved for Future Use"](#)

#### 3.4.1 Directory Server Enterprise Edition

##### Error Correction information for Directory Server Enterprise Edition

Patch Information	11.1.1.7.0	Comments
Final CPU (Premier Support)	October 2019	
Final CPU (Extended Support)	October 2022	

##### Patch Availability for Directory Server Enterprise Edition

Product Home	Patch	Advisory Number	Comments
11.1.1.7.0	ODSEE BP 11.1.1.7.190716 <a href="#">Patch 29893742</a>	Released July 2019	CVE-2018-18508 is not applicable to Windows Platform. Please refer to <a href="#">2.2 Post Release Patches</a> for Windows Patch.

#### 3.4.2 Reserved for Future Use

##### Error Correction information for Reserved for Future Use

Patch Information	1.0	Comments
Final CPU	-	

##### Patch Availability for Reserved for Future Use

Product Home	Patch	Advisory Number	Comments
1.0	Reserved for Future Use	-	

### 3.5 Tools

This section contains the following:

- [Section 3.5.1 "Oracle OPatch"](#)

#### 3.5.1 Oracle OPatch

##### Minimum Product Requirements for Oracle OPatch

The CPU security vulnerabilities are fixed in the listed release and later releases. The Oracle OPatch downloads can be found at [Patch 6880880](#).

Component	Release	Advisory Number	Comments
Oracle OPatch	11.2.0.3.23, 12.2.0.1.19	CVE-2019-20330, CVE-2016-4000, CVE-2016-4463, CVE-2018-1000873, CVE-2018-11307, CVE-2018-12022, CVE-2018-12023, CVE-2018-1320, CVE-2018-14718, CVE-2018-14719, CVE-2018-14720, CVE-2018-14721, CVE-2018-19360, CVE-2018-19361, CVE-2018-19362, CVE-2019-12086, CVE-2019-12384, CVE-2019-14379, CVE-2019-14439, CVE-2019-14540, CVE-2019-16335 and CVE-2020-8840	Download the latest versions available to install Database Patches

## 4 Final CPU History

### Final CPU History

The Final CPU is the last quarter that a product is supported in the CPU program as per the Premier Support and Extended Support policies. For more information, see My Oracle Support [Note 209768.1](#), Database, FMW, EM Grid Control, and OCS Software Error Correction Support Policy.

Release	Final CPUs	Comments
January 2020	Oracle Enterprise Repository 12.1.3 Oracle Fusion Middleware 12.1.3.0 Oracle GoldenGate 11.2.1.0 Oracle Map Viewer 12.1.3.0	
October 2019	Oracle Business Transaction Management 12.1.0.7 Oracle Enterprise Data Quality 9.0 Oracle GoldenGate for Big Data 12.3.1.1.0 Oracle GoldenGate Management Pack Plugin 12.1.0 Oracle Identity Analytics 11.1.1.5.0 Oracle JDeveloper and Oracle ADF 12.1.3.0 Oracle OpenSSO 8.0 u2 (8.0.2.0) Oracle Waveset 8.1.1	
July 2019	Oracle Application Testing Suite 13.1.0.1 Oracle Enterprise Manager Cloud Control 13.2 Oracle Enterprise Data Quality 8.1 Oracle Enterprise Data Quality 9.0 Oracle Real Time Decisions Applications 3.2	
April 2019	Oracle Business Intelligence Enterprise Edition 12.2.1.3.0 Oracle Business Intelligence Publisher 12.2.1.3 Oracle Enterprise Manager Ops Center 12.2.x Management Pack For Oracle GoldenGate 11.1.1 Oracle Outside In Technology 8.5.3	
January 2019	Oracle Application Performance Management 11.1.x Oracle GlassFish Server 3.1.2 Oracle Mobile Security Suite 3.0	
October 2018	Oracle Business Intelligence App Mobile Designer Oracle Business Intelligence Enterprise Edition 11.1.1.7	

	<p>Oracle Business Intelligence Mobile  Oracle Business Intelligence Publisher 11.1.1.7  Oracle Communications Converged Application Server 5.x  Oracle Complex Event Processing 11.1.7  Oracle Data Integrator 11.1.1.7.0  Oracle Endeca Server 7.6  Oracle Endeca Server 7.6.1  Oracle Endeca Information Discovery Integrator 3.1  Oracle Endeca Information Discovery Studio 3.1  Oracle Enterprise Repository 11.1.1.7  Oracle Forms and Reports 11.1.2.2  Oracle Fusion Middleware 11.1.1.7  Oracle GoldenGate Application Adapters 12.2.0.1  Oracle Hyperion BI+ 11.1.2.x  Oracle Identity Access Management 11.1.1.7  Oracle JDeveloper and Oracle ADF 11.1.1.7  Oracle Mapviewer 11.1.1.7.0  Oracle Portal, Forms, Reports and Discoverer 11.1.1.7  Oracle Real Time Decisions Server 11.1.1.7  Oracle Service Bus 11.1.1.7.0  Oracle SOA Suite 11.1.1.7.0  Oracle Traffic Director 11.1.1.7  Oracle WebCenter Suite 11.1.1.7  Oracle WebGate 10.1.4.3  Oracle WebLogic Portal 10.3.6.0  Oracle WebLogic Server Plug-in 11.1.1.7  Oracle Web-Tier 11g Utilities 11.1.1.7</p>	
July 2018	<p>Oracle Business Intelligence Enterprise Edition 12.2.1.2.0  Oracle Communications Converged Application Server 5.0  Oracle Fusion Middleware 12.2.1.2  Oracle JDeveloper and Oracle ADF 12.2.1.2.0  Oracle WebCenter Sites 12.2.1.2.0 (Formerly FatWire Content Server 12.2.1.2.0)  Oracle WebLogic Server 12.2.1.2.0  FMW 12.2.1.2 all components</p>	
April 2018	<p>Oracle Application Testing Suite 12.5.0.3  Oracle Endeca Server 7.5 home  Oracle Enterprise Manager Grid Control 11.1.0.1  Oracle Hyperion BI+ 11.1.2.x  Oracle Hyperion Common Admin 11.1.2.x  Oracle Hyperion Common Security 11.1.2.x  Oracle Hyperion EAS 11.1.2.x  Oracle Hyperion Financial Reporting 11.1.2.x  Oracle Hyperion Installation Technology 11.1.2.x  Oracle Hyperion Smart View For Office 11.1.2.x  Oracle Service Architecture Leveraging Tuxedo (SALT) 11.1.1.2.x  Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus) 11.1.1.2.x  WebLogic Server 12.2.1.0 home  WebLogic Server 12.1.2.0 home  WebLogic Server 12.1.1.0 home  WLS Plugin 12c (12.1.2.0)  WLS Plugin 1.0 (10.3.4 and older)</p>	
January 2018	<p>Oracle Endeca Information Discovery Studio 3.1, 3.0, 2.4  Oracle Endeca Information Discovery Studio Integrator 3.1, 3.0, 2.4  Oracle Secure Enterprise Search 11.2.2.2  iPlanet Web Server 7.0</p>	
October 2017	<p>Directory Server Enterprise Edition 7.0  Oracle Fusion Middleware 12.2.1.1  Oracle GlassFish Communications Server 2.0  Oracle GlassFish Server 3.0.1  Oracle JDeveloper and Oracle ADF 12.2.1.1.0  Oracle Map Viewer 12.2.1.1  Oracle OpenSSO Agents 3.0  Oracle Waveset 8.1.1.0</p>	

	Oracle WebLogic Server 12.2.1.1.0 Sun Role Manager 5.0.3.2	
July 2017	Oracle Endeca Server 7.4 Oracle Enterprise Manager Cloud Control 13.1.0.0	
April 2017	Oracle TimesTen 11.2.1.x Oracle Business Intelligence Enterprise Edition 12.2.1.0.0 Business Intelligence Publisher 12.2.1.0.0 Oracle Fusion Middleware 12.2.1.0 Oracle Fusion Middleware 10.1.3.5 Oracle Identity Management Connector 9.1.0.4 Oracle JDeveloper and Oracle ADF 12.2.1.0.0 Oracle JDeveloper and Oracle ADF 10.1.3.5 Oracle WebLogic Server 12.2.1.0.0	
January 2017	Oracle Business Process Management 10.3.2 Oracle Data Service Integrator 10.3.0 Oracle Outside In Technology 8.5.2 Oracle Service Architecture Leveraging Tuxedo (SALT) 10.3 Oracle WebCenter Interaction 10.3.3.0 Oracle WebLogic Integration 10.3.1.0 iPlanet Web Server 7.0 iPlanet Web Proxy Server 4.0 Oracle GlassFish Server 2.1.1	
October 2016	Oracle Endeca Server 7.3 Oracle Access Manager 10gR3 (10.1.4.x) Oracle Access Manager 10g WebGates / ASDK working with OAM 10gR3 (10.1.4.x) Oracle WebLogic Server Proxy Plug-In 10gR3 (formerly known as WebLogic Server Proxy Plug-In 1.0) Oracle Outside In Technology 8.5.1 Oracle Audit Vault 10.3 Oracle Secure Backup 10.4.x	
July 2016	Oracle Outside In Technology 8.5.0 Oracle Database 12.1.0.1 (See MOS <a href="#">Note 742060.1</a> )	
April 2016	AquaLogic Data Services Platform 3.2 AquaLogic Data Services Platform 3.0.1 Oracle Business Intelligence Enterprise Edition 11.1.1.7 Oracle Endeca Information Discovery 2.3 Oracle Endeca Information Discovery 2.2.2 (Formerly Latitude) Oracle Enterprise Manager Cloud Control 12.1.0.4 Oracle Fusion Middleware 12.1.2.0 Oracle Identity Access Management 11.1.2.2 Oracle Tuxedo 11.1.1 Oracle WebCenter 11.1.1.8 Oracle WebCenter Portal 11.1.1.8 Oracle WebCenter Sites 7.6.2	
January 2016	Oracle Real Time Decisions Server 3.0.0.1 Oracle WebCenter Interaction 6.5.1	
July 2015	Oracle API Gateway 11.1.2.2.0 Oracle Business Intelligence EE and Publisher 10.1.3.4.2 Oracle Communications Converged Application Server 4.0 Oracle Database 11.2.0.3 Oracle Database 11.1.0.7 Oracle Fusion Middleware 12.1.1.0.0 Oracle Identity and Access Management 11.1.1.5.0 Oracle iPlanet Web Server 6.1.x Oracle iPlanet Web Server (Java System Web Server 6.1.x) Oracle WebLogic Server 12.1.1.0	

## 5 Sources of Additional Information

The following documents provide additional information about Critical Patch Updates:



- My Oracle Support [Note 756671.1](#), Master Note for Database Proactive Patch Program
- My Oracle Support [Note 822485.1](#), Master Note for Enterprise Manager Proactive Patch Program
- My Oracle Support [Note 1494151.1](#), Master Note on Fusion Middleware Proactive Patching - Patch Set Updates (PSUs) and Bundle Patches (BPs)
- My Oracle Support [Note 209768.1](#), Database, FMW, Enterprise Manager, TimesTen In-Memory Database, and OCS Software Error Correction Support Policy

## 6 Modification History

### Modification History

Date	Modification
April 14, 2020	Released Updated patch availability in section 2.2 Added WebLogic Server 10.3.6.0 home to section 3.3.47 Added Oracle Webcenter Sites to section 3.3.16.1.1 Modified Advisory list in section 3.3.32 Modified Advisory list for Patch 31046788 in section 3.2.4 Removed Advisory list and comment for Patch 31035728 in section 3.2.4
April 15, 2020	Updated patch availability in section 2.2 Updated product home name in section 3.3.47

## 7 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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Critical Patch Update Availability Document April 2020

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