Critical Patch Update (CPU) Program Oct 2020 Patch Availability Document (PAD) (Doc ID 2694898.1)

APPLIES TO:

Oracle WebLogic Server - Version 10.3.6 and later
Oracle Database Cloud Schema Service - Version N/A and later
Oracle Database Backup Service - Version N/A and later
Oracle Database Exadata Express Cloud Service - Version N/A and later
Gen 1 Exadata Cloud at Customer (Oracle Exadata Database Cloud Machine) - Version N/A and later
Information in this document applies to any platform.

PURPOSE

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 October 20, 2020.

SCOPE

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

DETAILS

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

My Oracle Support Note 2694898.1

Released October 20, 2020

This document contains the following sections:

Quick Links: | Read Me First | | DB 19c | | EM Cloud Control | | FMW | | WLS |

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 October 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 October 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 October 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 October 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 October 2020

This section describes important changes in October 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 Jan 2021

- Oracle Endeca Server
- Oracle Endeca Information Discovery Integrator
- Oracle Endeca Information Discovery Studio

Final CPUs scheduled for Oct 2020

- Oracle Enterprise Data Quality for Product Data 11.1.1.6.0
- Oracle Enterprise Manager Cloud Control 12.1.0.5

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 13.3.0.0.201020	Patch 31899771	All	Available
Enterprise Manager for OMS Plugins 13.3.1.0.201031	Patch 32019093	All	Available

OAM WEBGATE BUNDLE PATCH 11.1.2.3.200804	Patch 31710235	Solaris Sparc64	Available
Combo OJVM Release Update 19.9.0.0.201020 & Database Release Update 19.9.0.0.201020	Patch 31720396	All	Available
DB RU 19.9.0.0.201020	Patch 31771877	All	Available
Combo OJVM Release Update 19.9.0.0.201020 & GI Release Update 19.9.0.0.201020	Patch 31720429	All	Available
GI RU 19.9.0.0.201020	Patch 31750108	All	Available
DB RUR 19.8.1.0.201020	Patch 31666885	All	Available
GI RUR 19.8.1.0.201020	Patch 31719890	All except Linux x86-64 & zLinux	Available
DB RUR 19.7.2.0.201020	Patch 31667176	All	Available
GI RUR 19.7.2.0.201020	Patch 31719845	All	Available
DB RU 18.12.0.0.201020 (& associated COMBO)	Patch 31730250 (& Patch 31720435)	All	Available
GI RU 18.12.0.0.201020 (& associated COMBO)	Patch 31748523 (& Patch 31720457)	All	Available
DB RUR 18.11.1.0.201020	Patch 31666917	All	Available
GI RUR 18.11.1.0.201020	Patch 31719758	All	Available
DB RUR 18.10.2.0.201020	Patch 31667173	All	Available
GI RUR 18.10.2.0.201020	Patch 31719777	All	Available
DB Oct2020 RU 12.2.0.1.201020 (& associated COMBO)	Patch 31741641 (& Patch 31720473)	All	Available
GI Oct2020 RU 12.2.0.1.201020 (& associated COMBO)	Patch 31750094 (& Patch 31720486)	All	Available
DB Jul2020 RUR 12.2.0.1.201020	Patch 31666944	All	Available
GI Jul2020 RUR 12.2.0.1.201020	Patch 31716471	All	Available
DB Apr2020 RUR 12.2.0.1.201020	Patch 31667168	All	Available
GI Apr2020 RUR 12.2.0.1.201020	Patch 31718774	All	Available
DB Proactive Bundle Patch 12.1.0.2.201020 (& associated COMBO)	Patch 31718813 (& Patch 31720769)	All	Available
Oracle JavaVM Component Database PSU 12.1.0.2.201020	Patch 31668915	All	Available
DB PSU 11.2.0.4.201020 (& associated COMBO)	Patch 31537677 (& Patch 31720776)	HP-UX PA-RISC	ETA 20-Nov-2020
GI PSU 11.2.0.4.201020 (& associated COMBO)	Patch 31718723 (& Patch 31720783)	HP-UX PA-RISC	ETA 20-Nov-2020
DB SPU 11.2.0.4.201020 (& associated COMBO)	Patch 31834759 (& Patch 31720810)	All except AIX	Available
DB SPU 11.2.0.4.201020 (& associated COMBO)	Patch 31834759 (& Patch 31720810)	AIX	ETA 20-Nov-2020
Microsoft Windows BP 19.9.0.0.201020 (& associated OJVM)	Patch 31719903 (& Patch 31668882)	Windows 32-Bit and 64-Bit	ETA 20-Nov-2020
Microsoft Windows BP 18.12.0.0.201020 (& associated OJVM)	Patch 31629682 (& Patch 31668892)	Windows 32-Bit and 64-Bit	ETA 20-Nov-2020
QFSDP for Exadata (Oct2020)	Various (See Section 3.1)	Linux x86-64, Solaris x86-64	Available
Quarterly Full Stack download for SuperCluster (Q4.2020)	Patch 31721198	All	ETA 20-Nov-2020

3 Patch Availability for Oracle Products

This section contains the following:

3.1 Oracle Database

This section contains the following:

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

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	20.2.1	CVE-2020-14744, CVE-2020-11023, CVE-2020-14745	

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	20.2	CVE-2020-11023, CVE-2020-9281, CVE-2020-14763, CVE-2020-14898, CVE-2020-14899, CVE-2020-14900, CVE-2020-14762	Customer on 20.1.0.00.13 should apply Patch 30990551 to be secure.

3.1.3 Oracle Big Data Spatial and Graph

Minimum Product Requirements 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 https://www.oracle.com/database/technologies/spatialandgraph/property-graph-features/graph-server-and-client/graph-server-and-client-downloads.html

Component	Release	Advisory Number	Comments
Big Data Spatial and Graph	20.2	CVE-2019-0192, CVE-2015-9251, CVE-2020-9546, CVE-2019-10744, CVE-2017-5645	

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 Note 742060.1	
On-Request platforms	32-bit client-only platforms	

Patch Availability for Oracle Database 19

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	Combo OJVM Release Update 19.9.0.0.201020 and Database Release Update 19.9.0.0.201020 Patch 31720396 for UNIX, or Combo OJVM Release Update 19.9.0.0.201020 and GI Release Update 19.9.0.0.201020 Patch 31720429, or Quarterly Full Stack download	CVE-2020-14901, CVE-2020-14735, CVE-2020-14734, CVE-2020-9488, CVE-2020-11022, CVE-2020-14742, CVE-2019-17543, CVE-2019-11922, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14743, CVE-2020-11023	For patch availability, see section 2.2 Post Release Patches See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches.

	for Exadata (Oct2020) 19.9.0.0.200814 Patch 31721191 for Linux x86-64		
Oracle Database Server home	Database Release Update 19.9.0.0.201020 Patch 31771877 for UNIX, or Database Release Update Revision 19.8.1.0.201020 Patch 31666885 for UNIX, or Database Release Update Revision 19.7.2.0.201020 Patch 31667176 for UNIX, or GI Release Update 19.9.0.0.201020 Patch 31750108, or GI Release Update Revision 19.8.1.0.201020 Patch 31719890, or GI Release Update Revision 19.7.2.0.201020 Patch 31719845, or Microsoft Windows 32-Bit and x86-64 BP 19.9.0.0.201020 Patch 31719903, or later; Quarterly Full Stack download for Exadata (Oct2020) 19.9.0.0.200814 Patch 31721191 for Linux x86-64, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit	CVE-2020-14901, CVE-2020-14735, CVE-2020-14734, CVE-2020-9488, CVE-2020-11022, CVE-2020-14742, CVE-2019-17543, CVE-2019-11922, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-11023	For patch availability, see section 2.2 Post Release Patches 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.
	Database Release		

Oracle Database Server home	OJVM Release Update 19.9.0.0.201020 Patch 31668882 for all platforms	CVE-2020-14743	See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server and Client home	JDK8u271Patch 31743771	CVE-2020-14792, CVE-2020-14781, CVE-2020-14782, CVE-2020-14797, CVE-2020-14779, CVE-2020-14796, CVE-2020-14798	JDK patches for 32 bit clients would be build on demand basis.
Oracle Database Server home	Perl Patch 29511771	Released April 2019	Perl Patch listed also includes CVE-2018-20843 announced in CPUOct2020.
Oracle Database Client home	Database Release Update 19.4.0.0.190716 Patch 29834717 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 Oracle Call Interface Programmer's Guide.

3.1.4.3 Oracle Database 18

Patch Information	18	Comments
Final CPU	See Note 742060.1	
On-Request platforms	32-bit client-only platforms	

Patch Availability for Oracle Database 18

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	Combo OJVM Release Update 18.12.0.0.201020 and Database Release Update 18.12.0.0.201020 Patch 31720435 for UNIX, or Combo OJVM Release Update 18.12.0.0.201020 and GI Release Update 18.12.0.0.201020 Patch 31720457, or Quarterly Full Stack download for Exadata (Oct2020) 18.12.0.0.200814 Patch 31721185	CVE-2020-14735, CVE-2020-14734, CVE-2020-9488, CVE-2020-11022, CVE-2020-14742, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-14743, CVE-2020-11023	For patch availability, see section 2.2 Post Release Patches OJVM Update patches from 18.4 onwards are RAC Rolling installable. Please see Note 2217053.1, RAC Rolling Install Process for the "Oracle JavaVM Component Database PSU/RU" (OJVM PSU/RU) Patches.
Oracle		CVE-2020-14735, CVE-2020-14734, CVE-2020-9488,	

| Database Server home | Database Release Update 18.12.0.0.201020 Patch 31730250, or Database Release Update Revision 18.11.1.0.201020 Patch 31666917, or Database Release Update Revision 18.10.2.0.201020 Patch 31667173, or GI Release Update 18.12.0.0.201020 Patch 31748523, or GI Release Update Revision 18.11.1.0.201020 Patch 31719758, or GI Release Update Revision 18.10.2.0.201020 Patch 31719777, or Microsoft Windows 32-Bit and x86-64 BP 18.12.0.0.201020 Patch 31629682, or later; Quarterly Full Stack download for Exadata (Oct2020) 18.12.0.0.200814 Patch 31721185, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit | CVE-2020-11022, CVE-2020-14742, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-11023 | For patch availability, see section 2.2 Post Release Patches 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. |
| Oracle Database Server home | OJVM Release Update 18.12.0.0.201020 | CVE-2020-14743 | OJVM Update patches from 18.4 onwards are RAC Rolling installable. Please see Note 2217053.1, RAC Rolling Install |

Patch 31668892 for all platforms			Process for the "Oracle JavaVM Component Database PSU/RU" (OJVM PSU/RU) Patches
Oracle Database Server and Client home	JDK8u271 Patch 31749759	CVE-2020-14792, CVE-2020-14781, CVE-2020-14782, CVE-2020-14797, CVE-2020-14779, CVE-2020-14796, CVE-2020-14798	See Note 2584628.1, "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches. JDK patches for 32 bit clients would be build on demand basis
Oracle Database Server home	Perl Patch 31225444	Released July 2020	Perl Patch listed also includes CVE-2018-20843 announced in CPUOct2020.
Oracle Database Client home	Database Release Update 18.7.0.0.190716 Patch 29757256, or

Database Release Update Revision 18.6.1.0.190716 Patch 29708235, or

Database Release Update Revision 18.5.2.0.190716 Patch 29708437 or

Microsoft Windows 32-Bit and x86-64 BP 18.7.0.0.190716 Patch 29859180 | Released July 2019 | The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see Oracle Call Interface Programmer's Guide. |

3.1.4.4 Oracle Database 12.2.0.1

Patch Information	12.2.0.1	Comments
Final CPU	See Note 742060.1	
On-Request platforms	32-bit client-only platforms	

Patch Availability for Oracle Database 12.2.0.1

Product Home	Patch	Advisory Number	Comments
Oracle Database Server home	Combo OJVM Release Update 12.2.0.1.201020 and Database Release Update 12.2.0.1.201020	CVE-2020-14735, CVE-2020-14734, CVE-2020-9488, CVE-2020-11022, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740,	For patch availability, see section 2.2 Post Release Patches

OJVM Update Patches are not RAC Rolling installable. However, NOTE 2217053.1 defines a few specific |

	Patch 31720473 for UNIX, or Combo OJVM Release Update 12.2.0.1.201020 and GI Release Update 12.2.0.1.201020 Patch 31720486, or Quarterly Full Stack download for Exadata (Oct2020) 12.2.0.1 Patch 31721177, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit	CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-14743, CVE-2020-11023, CVE-2018-2765	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. Combos are for environments that take a single downtime to apply all patches See Note 1929745.1, Oracle Recommended Patches -- "Oracle JavaVM Component Database PSU and Update" (OJVM PSU and OJVM Update) Patches.
Oracle Database Server home	Database Oct2020 Release Update 12.2.0.1.201020 Patch 31741641 for UNIX, or Database Apr2020 Release Update Revision 12.2.0.1.201020 Patch 31667168, or Database Jul2020 Release Update Revision 12.2.0.1.201020 Patch 31666944, or GI Oct2020 Release Update 12.2.0.1.201020 Patch 31750094, or GI Apr2020 Release Update Revision 12.2.0.1.201020 Patch 31718774, or GI Jul2020 Release Update	CVE-2020-14735, CVE-2020-14734, CVE-2020-9488, CVE-2020-11022, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2020-13935, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-11023, CVE-2018-2765	For patch availability, see section 2.2 Post Release Patches 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.

	Revision 12.2.0.1.201020 Patch 31716471, or BS2000 Database BP 12.2.0.1.201020 Patch 31784375 Microsoft Windows 32-Bit and x86-64 BP 12.2.0.1.201020 Patch 31654782, or later; Quarterly Full Stack download for Exadata (Oct2020) 12.2.0.1 Patch 31721177, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit		
Oracle Database Server home	OJVM Release Update 12.2.0.1.201020 Patch 31668898 for UNIX, or OJVM Microsoft Windows Bundle Patch 12.2.0.1.201020 Patch 31740064	CVE-2020-14743	OJVM Update Patches are not RAC Rolling installable. However, NOTE 2217053.1 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. See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server and Client home	JDK8u271 Patch 31749740	CVE-2020-14792, CVE-2020-14781, CVE-2020-14782, CVE-2020-14797, CVE-2020-14779, CVE-2020-14796, CVE-2020-14798	See Note 2584628.1, "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches. JDK patches for 32 bit clients would be build on demand basis.
Oracle Database Server home	Perl Patch 30508161	Released July 2020	Perl Patch listed also includes CVE-2018-20843 announced in CPUOct2020.
Oracle		Released July 2019	The Instant Client installation is

Database Client home	Database Oct2019 Release Update 12.2.0.1.190716 [Patch 29757449](#) for UNIX, or		not the same as the client-only Installation. For additional information about Instant Client installations, see [Oracle Call Interface Programmer's Guide](#).
	Database Jan2019 Release Update Revision 12.2.0.1.190716 [Patch 29708478](#), or		
	Database Apr2019 Release Update Revision 12.2.0.1.190716 [Patch 29708381](#), or		
	Microsoft Windows 32-Bit and x86-64 RU 12.2.0.1.190716 [Patch 29832062](#), or later		

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 [Note 742060.1](#)	
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	Combo OJVM PSU 12.1.0.2.201020 and Database PSU 12.1.0.2.201020 [Patch 31720729](#) for UNIX, or Combo OJVM PSU 12.1.0.2.201020 and GI PSU 12.1.0.2.201020	CVE-2020-14735, CVE-2020-14734, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-14743, CVE-2020-11023, CVE-2018-2765	For patch availability, see section [2.2 Post Release Patches](#) OJVM PSU Patches are not RAC Rolling installable. However, [NOTE 2217053.1](#) 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. Combos are for environments that take a single downtime to apply all

	Patch 31720761, or Combo OJVM PSU 12.1.0.2.201020 and Database Proactive BP 12.1.0.2.201020 Patch 31720769 for UNIX, or Quarterly Full Stack download for Exadata (Oct2020) BP 12.1.0.2 Patch 31721169, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit		patches See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches.
Oracle Database Server home	Database PSU 12.1.0.2.201020 Patch 31550110 for UNIX, or GI PSU 12.1.0.2.201020 Patch 31718737, or Microsoft Windows 32-Bit and x86-64 BP 12.1.0.2.201020 Patch 31658987, or later; Database Proactive Bundle Patch 12.1.0.2.201020 Patch 31718813 or Quarterly Full Stack download for Exadata (Oct2020) BP 12.1.0.2 Patch 31721169, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit	CVE-2020-14735, CVE-2020-14734, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-11023, CVE-2018-2765	For patch availability, see section 2.2 Post Release Patches For JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.

| Oracle Database Server home | Oracle JavaVM Component Database PSU 12.1.0.2.201020 Patch 31668915 for UNIX, or

Oracle JavaVM Component Microsoft Windows Bundle Patch 12.1.0.2.201020 Patch 31740134 | CVE-2020-14743 | OJVM PSU Patches are not RAC Rolling installable. However, NOTE 2217053.1 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.

All OJVM PSU since 12.1.0.2.161018 includes Generic JDBC Patch 23727148

See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches |
|---|---|---|---|
| Oracle Database Server and Client home | JDK7u281 Patch 31749725 | CVE-2020-14792, CVE-2020-14781, CVE-2020-14782, CVE-2020-14797, CVE-2020-14779, CVE-2020-14796, CVE-2020-14798 | See Note 2584628.1, "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches.

JDK patches for 32 bit clients would be build on demand basis. |
| Oracle Database Server home | Perl Patch 30508171 | Released July 2020 | Perl Patch listed also includes CVE-2018-20843 announced in CPUOct2020. |
| Oracle Database Server home | Oracle JavaVM Component Database PSU - Generic JDBC 12.1.0.2.160719 Patch 23727148 | Released July 2016 | |
| Oracle Database Client home | Database PSU 12.1.0.2.190716 Patch 29494060 for UNIX, or

Microsoft Windows 32-Bit and x86-64 BP 12.1.0.2.190716 Patch 29831650 | Released July 2019 | The Instant Client installation is not the same as the client-only Installation. For additional information about Instant Client installations, see Oracle Call Interface Programmer's Guide. |

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 Note 742060.1	
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 11.2.0.4.201020 and Database SPU 11.2.0.4.201020 Patch 31720810 for UNIX, or Combo OJVM PSU 11.2.0.4.201020 and Database PSU 11.2.0.4.201020 Patch 31720776 for UNIX, or Combo OJVM PSU 11.2.0.4.201020 and GI PSU 11.2.0.4.201020 Patch 31720783 for UNIX, or Combo OJVM PSU 11.2.0.4.201020 and Exadata BP 11.2.0.4.201020 Patch 31720797	CVE-2020-14735, CVE-2020-14734, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-14743, CVE-2020-11023, CVE-2018-2765	For patch availability, see section 2.2 Post Release Patches 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, NOTE 2217053.1 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. Combos are for environments that take a single downtime to apply all patches See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server home	Database PSU 11.2.0.4.201020 Patch 31537677 for UNIX, or GI PSU 11.2.0.4.201020 Patch 31718723 for UNIX, or Database SPU 11.2.0.4.201020 Patch 31834759 for UNIX, or Microsoft Windows (32-Bit) and x64	CVE-2020-14735, CVE-2020-14734, CVE-2020-14736, CVE-2020-14741, CVE-2020-14742, CVE-2019-12900, CVE-2016-1000031, CVE-2018-8013, CVE-2017-7658, CVE-2019-11358, CVE-2019-16335, CVE-2020-14745, CVE-2020-14744, CVE-2020-11022, CVE-2020-14740, CVE-2017-5645, CVE-2017-12626, CVE-2018-7489, CVE-2016-5725, CVE-2019-17359, CVE-2020-11023, CVE-2018-2765	For patch availability, see section 2.2 Post Release Patches For JDK fixes a separate patch is available (see below) and needs to be installed in addition to the Database and GI patches.

	(64-Bit) BP 11.2.0.4.200414 Patch 31659823, or later; Quarterly Database Patch for Exadata BP 11.2.0.4.201020 Patch 31718644 for UNIX, or Quarterly Full Stack download for Exadata (Oct2020) BP 11.2.0.4 Patch 31721158, or Quarterly Full Stack download for SuperCluster (Q4.2020) Patch 31721198 for Solaris SPARC 64-Bit		
Oracle Database Server home	Oracle JavaVM (OJVM) Component Database PSU 11.2.0.4.201020 Patch 31668908 for UNIX, or Oracle JavaVM (OJVM) Component Database PSU 11.2.0.4.200414 Patch 31740195 for Microsoft Windows	CVE-2020-14743	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 11.2.0.4.161018 and greater includes Generic JDBC Patch 23727132 See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Server and Client home	JDK7u281 Patch 31749197	CVE-2020-14792, CVE-2020-14781, CVE-2020-14782, CVE-2020-14797, CVE-2020-14779, CVE-2020-14796, CVE-2020-14798	See Note 2584628.1, "JDK and PERL Patches for Oracle Database Home and Grid Home" for information on availability and prior patches. JDK patches for 32 bit clients would be build on demand basis.
Oracle Database Server home	Perl Patch 30508206	Released July 2020	Perl Patch listed also includes CVE-2018-20843 announced in CPUOct2020.
Oracle Database	Oracle JavaVM Component Database PSU -	Released July 2016	For RAC deployments, this patch should be applied to Grid

Server home	Generic JDBC 11.2.0.4.160719 Patch 23727132		Infrastructure Home instead of OJVM PSU 11.2.0.4.4, or higher See Note 1929745.1, Oracle Recommended Patches -- Oracle JavaVM Component Database PSU (OJVM PSU) Patches
Oracle Database Client home	Database PSU 11.2.0.4.190716 Patch 29497421 for UNIX, or Microsoft Windows (32-Bit) and x64 (64-Bit) BP 11.2.0.4.190716 Patch 29596609, 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 Oracle Call Interface Programmer's Guide.

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 Patch 21974980	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 Patch 21950285	Released October 2015	

3.1.6 Oracle GoldenGate

Error Correction information for Oracle GoldenGate

Component	19.1	18.1	12.3.0.1	12.2.0.2	12.1.2.1	Comments
Final CPU	July 2026	April 2021	April 2021	October 2023	October 2021	

Patch Availability for Oracle GoldenGate

Product Home	Patch	Advisory Number	Comments

19.1	OGG 19.1.0.0.200714 for Oracle 19c Patch 31456601 OGG 19.1.0.0.200714 for Oracle 18c Patch 31456600 OGG 19.1.0.0.200714 for Oracle 12c Patch 31456597 OGG 19.1.0.0.200714 for Oracle 11g Patch 31456594	Released July 2020	Refer to Note 1645495.1 for the latest release and additional platforms.
18.1	OGG 18.1.0.0.191119 for Oracle 18c Patch 30058913 OGG 18.1.0.0.191119 for Oracle 12c Patch 30058910 OGG 18.1.0.0.191119 for Oracle 11g Patch 30058904	Released July 2020	Refer to Note 1645495.1 for the latest release and additional platforms.
12.3.0.1	OGG 12.3.0.1.190531 FOR Oracle 12c Patch 29791770 OGG 12.3.0.1.190531 FOR Oracle 11g Patch 29791759	Released July 2020	Refer to Note 1645495.1 for the latest release and additional platforms.
12.2.0.2	OGG 12.2.0.2.200218 for Oracle 12c Patch 30619259 OGG 12.2.0.2.200218 for Oracle 11g Patch 30619257	Released July 2020	Refer to Note 1645495.1 for the latest release and additional platforms.
12.1.2.1	On-Request	Released July 2020	Refer to Note 1645495.1 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	19.1.0.0.x	12.3.2.1.0	Comments
Final CPU	July 2026	October 2021	

Patch Availability for Oracle GoldenGate for Big Data

Product Home	Patch	Advisory Number	Comments
19.1.0.0.0	OGG for Big Data 19.1.0.0.6 Patch 31879447	CVE-2019-17531	
12.3.2.1	Oracle GoldenGate for Big Data 12.3.2.1.9 Patch 31555782 or later	CVE-2018-8088, CVE-2018-11058	

3.1.8 Oracle GoldenGate Veridata

Error Correction information for Oracle GoldenGate Veridata

Component	12.2.1	12.1.3	11.2.1.0	Comments
Final CPU	July 2025	July 2022	October 2020	

Patch Availability for Oracle GoldenGate Veridata

Product Home	Patch	Advisory Number	Comments
12.2.1	OGG Veridata Bundle Patch 12.2.1.4.200714 (PS4 BP2) (Server+Agent) Patch 31044508	Released July 2020	
12.1.3	ORACLE GOLDENGATE VERIDATA V12.1.3.0.180415 SERVER Patch 26424104	Released April, 2018	
11.2.1.0	oracle goldengate veridata v11.2.1.0.2 java agent - Patch 27425665 oracle goldengate veridata v11.2.1.0.2 server - Patch 27425668	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	Released April 2020	

3.1.10 Oracle Spatial Studio

Minimum Product Requirements for Oracle Spatial Studio

Critical Patch Update security vulnerabilities are fixed in the listed releases. The Oracle Spatial Studio downloads and installation instructions can be found at
https://www.oracle.com/database/technologies/spatial-studio/oracle-spatial-studio-downloads.html

Product	Release	Advisory Number	Comments
Oracle Spatial Studio	19.2.1	Released July 2020	

3.1.11 Oracle Stream Analytics

Minimum Product Requirements for Oracle Stream Analytics

Critical Patch Update security vulnerabilities are fixed in the listed releases. The Oracle Stream Analytics downloads and installation instructions can be found at
https://www.oracle.com/middleware/technologies/stream-analytics/downloads.html

Product	Patch	Advisory Number	Comments
Oracle Stream Analytics	19.1.0.0.1 Patch 30629903	Released July 2020	

3.1.12 Oracle TimesTen In-Memory Database

Error Correction information for Oracle TimesTen In-Memory Database

Describes Error Correction information for Oracle TimesTen In-Memory Database.

Patch Information	18.1	Comments
Final Patch	April 2026	

Minimum Product Requirements for Oracle TimesTen In-Memory Database

Describes the minimum product requirements for Oracle TimesTen In-Memory Database. The CPU security vulnerabilities are fixed in the listed release and later releases.

Product	Release	Advisory Number	Comments
Oracle TimesTen In-Memory Database	18.1.4.1.0 or later version	CVE-2018-11058, CVE-2017-5645, CVE-2019-1010239, CVE-2019-0201	

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	13.4.1.0	13.3.1.0	Comments
Final CPU	October 2023	April 2021	
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
Real User Experience Insight 13.3.1.0	Patch 31595030	Released July 2020	

3.2.2 Oracle Application Testing Suite

Error Correction information for Oracle Application Testing Suite

Patch Information	13.3.0.1	Comments

Final CPU	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	Patches	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 October 2020 Patch 31996548	CVE-2019-17638, CVE-2018-11058, CVE-2020-5398	
13.3.0.1	EM BP Application Testing Suite OFB CPU October 2020 Patch 31996632	CVE-2019-17638, CVE-2018-11058, CVE-2020-5398	

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 Patch 29135901	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	12.1.0.5	Comments
Final CPU	-	January 2021	October 2020	
On-Request platforms	-	-	-	

Patch Availability for Oracle Enterprise Manager Cloud Control 13c Release 4 (13.4.0.0)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See "Oracle Database"		
Oracle Java SE home	See Note 2653847.1 EM 13.4: How to Use the Latest Certified JDK 8 Update with OMS 13.4	See Note 2653847.1 EM 13.4: How to Use the Latest Certified JDK 8 Update with OMS 13.4	
Base Platform Fusion	NGINST SPU FOR 13.9.4.2.2 FOR JACKSON-DATABIND UPDATE TO 2.10.2 Patch 31101362 or later	Released July 2020	

Middleware home			
Base Platform Fusion Middleware home	See "Oracle WebLogic Server" (Version 12.2.1.3.0)	See "Oracle WebLogic Server" (Version 12.2.1.3.0)	For EM 13.4 customers, Oracle recommends that you delay applying Opatch 13.9.4.2.4 and Weblogic Server July PSU or later, as Certification is not complete. See Note 2693952.1 for details.
Base Platform Fusion Middleware home	OSS BUNDLE PATCH 12.2.1.3.200714 Patch 31232139 or later	Released July 2020	Oracle Security Service (SSL/Network) Patch for Oracle HTTP server (OHS)
Base Platform OMS home	Enterprise Manager for Peoplesoft 13.4.1.1.0 Patch for CPUOct2020 Patch 31795605	CVE-2020-9488	
Base Platform Agent home	Enterprise Manager for Beacon 13c Release 4 Plug-in Update 4 (13.4.0.4) for Agent Patch 31426056 or later	Released July 2020	
Base Platform OMS home	Enterprise Manager 13c Release 4 Update 7 (13.4.0.7) for OMS Patch 31882382 or later	CVE-2020-1967, CVE-2019-3740, CVE-2019-2897	
Base Platform Fusion Middleware home	ADF BUNDLE PATCH 12.2.1.3.0 (ID:190924.2139.S) Patch 30347629 or later	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) Patch 30687404 or later	Released January 2020	Note 2568225.1Cumulative README Post-Install Steps for Oracle HTTP Server 12.2.1.3 Bundle Patches
Base Platform Fusion Middleware home	REMOVE APACHE STRUTS FROM BI INSTALL 12.2.1.3 (EM 13.4) Patch 31254677 or later	Released July 2020	
EM Cloud Control Connectors	See Announcement on MOSC	CVE-2020-1954, CVE-2020-5398	Connector 13.2.1.0 is applicable to EM 13.4

Patch Availability for Oracle Enterprise Manager Cloud Control 13c Release 3 (13.3.0.0)

Product Home	Patches	Advisory Number	Comments
Base Platform Repository home	See "Oracle Database"		
Base Platform Fusion Middleware home	See "Oracle WebLogic Server" (Version 12.1.3)		
Base Platform Fusion Middleware home	Opatch SPU 13.8.0.0.0 Patch 31682991 or later	Released July 2020	

Base Platform Fusion Middleware home	REMOVE APACHE STRUTS FROM BI INSTALL Patch 31076938 or later	Released July 2020	
Base Platform OMS home	Base Release 13.3	Released April 2019	
Base Platform OMS home	EM BP Patch Set Update 13.3.0.0.201020 Patch 31899771 or later	CVE-2019-2897	
Base Platform OMS home	OSS SECURITY PATCH UPDATE 12.1.3.0.0 (CPUJAN2020) Patch 30692958 or later	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 Patch 31046788 or later	Released April 2020	Note 2572758.1 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 Patch 30206738 or later	Released October 2019	
Base Platform Agent home	EM-BEACON Plug-in Agent Bundle Patch 13.3.0.0.200731 (Patch canceled)	Released July 2020	For CVE-2019-12415, upgrade to 13.4 and apply Enterprise Manager for Beacon 13c Release 4 Plug-in Update 4 (13.4.0.4) for Agent Patch 31426056 or later.
EM Cloud Control Connectors	See Announcement on MOSC	Released April 2019	
EM Cloud Control Connectors	See Announcement on MOSC	CVE-2020-1954, CVE-2020-5398	Connector 13.2.1.0 is applicable to EM 13.3
Base Platform OMS home	Enterprise Manager for OMS Plugins 13.3.2.0.200630 Patch 31521484 or later	Released July 2020	
Base Platform OMS home	EM for OMS plugin 13.3.1.0.201031 Patch 32019093 or later	CVE-2020-1967, CVE-2019-3740	
Base Platform OMS home	SPU Patch 25322055 or later	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 "Oracle Database"	See "Oracle Database"	
Base Platform Fusion Middleware home	See "Oracle WebLogic Server" (Version 10.3.6)	See "Oracle WebLogic Server" (Version 10.3.6)	
Base Platform Fusion Middleware home	CPU Patch 23703041 or later	Released July 2016	Oracle Business Intelligence Publisher BP 11.1.1.7.160719 patch for BIP home in Enterprise Manager
Base Platform OMS home	EM for OMS plugin 12.1.0.5.200331 Patch 31129450 or later	Released April 2020	For CVE-2019-0227, upgrade to 13.1 or later release
Base Platform	EM BP Patch Set Update	Released July	

OMS home	12.1.0.5.200714 Patch 31250739 or later	2020	
Base Platform Fusion Middleware home	JSP 11.1.1.7.0 SPU for EM 12.1.0.5 (CPUAPR2018) Patch 27872862 or later	Released April 2018	JSP 11.1.1.7.0 SPU patch
Base Platform Agent home	BP Patch 22317311 or later	Released January 2016	Apply to Agent core Oracle Home, after applying agent patch 25456449, 22342358
Base Platform Agent home	BP Patch 22342358 or later	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 Patch 22013598 or later	Released January 2016	Web Cache Patch Apply to Oracle_WT Post installation steps are not applicable for Enterprise Manager
Plugin home	BP Patch 28347732 or later	Released July 2018	
Base Platform Agent home	BP Patch 28193486 or later	Released July 2018	
Base Platform Agent home	EM-BEACON Bundle Patch 12.1.0.5.200731 (Patch canceled)	Released July 2020	For CVE-2019-12415, upgrade to 13.4 and apply Enterprise Manager for Beacon 13c Release 4 Plug-in Update 4 (13.4.0.4) for Agent Patch 31426056 or later.
Base Platform Fusion Middleware home	OHS 11.1.1.7.0 SPU for cpujan2018 Patch 27197885 or later	Released January 2018	Note 2314658.1 SSL Configuration Required to Secure Oracle HTTP Server After Applying Security Patch Updates Note 2350321.1 Preventing Slow HTTP DoS Attacks on Oracle HTTP Server After Applying Security Patch Updates See Note 2400141.1 before applying this patch Oracle HTTP Server 11.1.1.7 Patch for Oracle_WT OH
Base Platform Fusion Middleware home	CPU Patch 19345576 or later	Released January 2015	Oracle Process Management and Notification (OPMN) Patch for Oracle_WT OH See Note 1905314.1, New SSL Protocol and Cipher Options for Oracle Fusion Middleware 11g OPMN/ONS
Base Platform Fusion Middleware home	SPU Patch 17337741 or later	Released October 2013	Oracle Security Service (SSL/Network) Patch for Oracle_WT OH
Base Platform Fusion Middleware home	SPU Patch 25297048 or later	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	12.4.0	Comments
Final CPU	April 2024	Premier Support ends

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	Ops Center UCE patches for July 2020 Patch 31470600	Released July 2020	
12.4.0	Ops Center UI/Other patches for October 2020 Patch 31955705	CVE-2020-11022, CVE-2019-13990	

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 Patch 22783063	March 2016	See My Oracle Support Note 1153444.1, 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). Customer can use collector tab to down the Oracle Configuration Manager Collector.

Component	Release	Advisory Number	Comments
Oracle Configuration Manager	OCM 12.1.2.0.7 Patch 5567658	Released July 2020	Upgrade to 12.1.2.0.7 Release For patch availability, see section 2.2 Post Release Patches

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 "Reserved for future use"

- Section 3.3.5 "Oracle Business Intelligence Enterprise Edition"

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3.3.1 Oracle GoldenGate Monitor (aka Management Pack for Oracle GoldenGate)

Error Correction information for Oracle GoldenGate Monitor (aka Management Pack for Oracle GoldenGate)

Patch Information	12.2.1	12.1.3.x	Comments
Final CPU	July 2025	July 2022	

Patch Availability for Management Pack For Oracle GoldenGate

Product Home	Patch	Advisory Number	Comments
12.2.1.2.0	Oracle GoldenGate Monitor 12.2.1.2.200930 (Server+Agent) Patch 31748559	CVE-2020-3235	
12.1.3	Monitor Server 12.1.3.0.160628 Patch 23340597 Monitor Agent 12.1.3.0.160628 Patch 23333295	Released June 2016	-

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 Patch 30901960	Released April 2020	

3.3.4 Reserved for future use

3.3.5 Oracle Business Intelligence Enterprise Edition

Error Correction information for Oracle Business Intelligence Enterprise Edition

Patch Information	5.5.0.0.0	12.2.1.4.0	12.2.1.3	11.1.1.9	Comments
Final CPU	-	-	October 2021	October 2021	11.1.1.9.0 End of Error Correction for Extended Support Customer only beyond Dec 2018

Patch Availability for Oracle Analytics Server 5.5 (Formerly known as Oracle Business Intelligence)

Product Home	Patch	Advisory Number	Comments
Oracle Database home	See "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See "Oracle WebLogic Server" (version 12.2.1.4.0)	See "Oracle WebLogic Server" (version 12.2.1.4.0)	See Note 1306505.1, Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
Oracle Analytics Server (OAS) 5.5.0.0.0	See "Oracle Fusion Middleware 12c" (12.2.1.4.)	See "Oracle Fusion Middleware 12c" (12.2.1.4.)	Apply all 12.2.1.4 patches listed for "Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)"
Oracle Analytics Server (OAS) 5.5.0.0.0	OAS BUNDLE PATCH 5.5.0.0.201012 Patch 32003790	CVE-2020-14879, CVE-2020-14880, CVE-2020-14842, CVE-2019-11358, CVE-2020-14780, CVE-2020-14815, CVE-2020-14843, CVE-2020-14766, CVE-2020-14864	Oracle Business Intelligence is rebranded as Oracle Analytics Server Apply all 12.2.1.4 patches listed for "Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)". See "Oracle Fusion Middleware 12.2.1.4" For patch availability, see section 2.2 Post Release Patches
Oracle Security Service	OSS BUNDLE PATCH 12.2.1.4.200616 Patch 31503472	Released July 2020	

Patch Availability for Oracle Business Intelligence Enterprise Edition 12c

Product Home	Patch	Advisory Number	Comments

Oracle Database home	See "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See "Oracle WebLogic Server"	See "Oracle WebLogic Server"	See Note 1306505.1, 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 "Oracle Fusion Middleware 12c"	See "Oracle Fusion Middleware 12c"	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	OBI Bundle Patch 12.2.1.4.201020 Patch 31690037	CVE-2020-14879, CVE-2020-14880, CVE-2020-14842, CVE-2019-11358, CVE-2020-14784, CVE-2020-14780, CVE-2020-14815, CVE-2020-14843, CVE-2020-14766, CVE-2020-14864	
12.2.1.4 Oracle Business Intelligence Enterprise Edition and 12.2.1.3 Oracle Business Intelligence Enterprise Edition	OSS BUNDLE PATCH 12.2.1.3.200714 Patch 31232139	Released July 2020	Oracle Security Service (SSL/Network) Patch
12.2.1.3 Oracle Business Intelligence Enterprise Edition	OBI Bundle Patch 12.2.1.3.201020 Patch 31690029	CVE-2020-14879, CVE-2020-14880, CVE-2020-14842, CVE-2019-11358, CVE-2020-14784, CVE-2020-14780, CVE-2020-14815, CVE-2020-14843, CVE-2020-14766, CVE-2020-14864	

Patch Availability for Oracle Business Intelligence Enterprise Edition 11.1.1.9

Product Home	Patch	Advisory Number	Comments
Oracle Database home	See "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products

Product Home	Patch	Advisory Number	Comments
Oracle WebLogic Server home	See "Oracle WebLogic Server"	See "Oracle WebLogic Server"	See Note 1306505.1, Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
11.1.1.9	BI SUITE BUNDLE PATCH 11.1.1.9.201020 Patch 31943269	CVE-2020-14879, CVE-2020-14880, CVE-2020-14842, CVE-2020-14784, CVE-2020-14780, CVE-2020-14766	
11.1.1.9	OSS BUNDLE PATCH 11.1.1.9.200714 Patch 31304503	Released July 2020	For patch availability, see section 2.2 Post Release Patches Note 2572809.1 Steps to Evaluate and Update SSL Wallet
11.1.1.9	OPMN Patch 23716938	Released October 2017	
DAC 11.1.1.6.4 home	Patch 27825965- 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	-	October 2021	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 "Oracle Business Intelligence Enterprise Edition"	See "Oracle Business Intelligence Enterprise Edition"	BIP is part of OBI Patch in 12c
11.1.1.9	BI Suite Bundle Patch 11.1.1.9.200114 Patch 30677050	Released October 2019	
11.1.1.9	BP Patch 24580895	Released October 2016	Webservice BP
11.1.1.9	11.1.1.9 Interim Patch 17081528	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 Patch 21071699	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 Patch 21418574	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 http://www.oracle.com/technetwork/middleware/oracle-data-visualization/index.html	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 Patch 30507959	Released April 2020	

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 OCTOBER 2020 Patch 31934960	CVE-2020-10683	
Oracle Endeca Information Discovery Integrator 3.2 home	ORACLE ENDECA INFORMATION DISCOVERY INTEGRATOR AQUISITION SYSTEM 3.2 SPU JAN 2020 Patch 30472013	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	ORACLE ENDECA INFORMATION DISCOVERY 3.2 STUDIO CPU OCT2020 Patch 31992470	CVE-2019-10173	

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 "Oracle Fusion Middleware 12c"	See "Oracle Fusion Middleware 12c"	
11.1.1.9	Patch 25084186 Patch 25534288 (EDQ-CDS)	Released April 2017	Install prior to Java CPUApr2017 JDK/JRE or later version

3.3.14 Oracle Enterprise Repository

Error Correction information for Oracle Enterprise Repository

Patch Information	11.1.1.7	Comments
Final CPU	October 2021	

Patch Availability for Oracle Enterprise Repository

Product Home	Patch	Advisory Number	Comments
11.1.1.7.0	OER 11.1.1.7.0 CPU for October 2020 Patch 32014669	CVE-2019-2904	"CVE-2018-1000180, CVE-2018-8013, CVE-2018-1275, CVE-2017-5645" included in 11.1.1.7 patch are announced in previous CPUs.

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	2.0.6.4.200714 Physical Linux (for all X3-2, X4-2, X5-2, and X6-2) Patch 31347467	Released in July 2020	See Note 1314535.1, Announcing Exalogic PSUs (Patch Set Updates)
2.x Virtual	2.0.6.4.200714 Virtual (for all X3-2, X4-2, X5-2, and X6-2) Patch 31347468	Released in July 2020	See Note 1314535.1, 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 Februrary 2013 (15931901)	See Patch 13795376 EECS 2.0 PHYSICAL INFRASTRUCTURE UPGRADE KIT (V1.0.0.X.X -> EECS 2.0.0.0.0) See Patch 15931901 Oracle Exalogic 2.0.4.0.0 Upgrade Kit for Exalogic Solaris x86-64 (64 bit) See Note 1314535.1, 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"

3.3.16.1 Oracle Fusion Middleware 12c

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

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	July 2025	See Note 1933372.1, Error Correction Support Dates for Oracle Fusion Middleware 12c - FMW/WLS
On-Request platforms	-	
Determine Components in an Oracle Home	-	See Note 1591483.1, What is Installed in My Middleware or Oracle home?
Understanding Patch Release Versions	-	See Note 1494151.1, understanding Fusion Middleware Bundle Patch (BP) Release Versions See Note 2565576.1, 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 "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Maintain the Java SE Installed or Used with FMW 11g/12c Products
All 12.2.1.4 & 12.2.1.3 Fusion Middleware Distributions & WebLogic home	OPatch 13.9.4.2.4 Patch 28186730 or later	Released July 2020	Update OPatch 13.9.4.2.4 Patch 28186730 before applying the WLS PSU. See Note 1587524.1 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 12.2.1.4.201001 Patch 31960985 or later	CVE-2020-14841, CVE-2020-14825, CVE-2020-14859, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2020-14882	See Note 2665794.1, How to Restrict T3/T3S Protocol Traffic for WebLogic Server. For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1
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	ADR FOR WEBLOGIC SERVER 12.2.1.4.0 JULY CPU 2020 Patch 31544353 or later	CVE-2018-11058	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch
Oracle WebLogic Server and Coherence Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	WEBLOGIC SAMPLES SPU 12.2.1.4.200714 Patch 31384959 or later	Released July 2020	
Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	ADF BUNDLE PATCH 12.2.1.4.200817 Patch 31762739 or later	CVE-2020-11022	
Oracle HTTP Server	OHS (NATIVE) BUNDLE PATCH 12.2.1.4.200826 Patch 31808404 or later	CVE-2020-1967, CVE-2019-10097, CVE-2019-5482	
Oracle SOA Suite and Business Process	SOA Bundle Patch 12.2.1.4.200917 Patch 31903409 or later	CVE-2019-2904, CVE-2020-1951, CVE-2019-11358, CVE-2020-1945, CVE-2020-9484	
Oracle HTTP Server Oracle Forms and Reports (Standalone Forms Builder) Oracle Internet Directory	OSS BUNDLE PATCH 12.2.1.4.200616 Patch 31503472 or later	Released July 2020	
Oracle WebLogic Server and Coherence Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	Coherence 12.2.1.4.5 Patch 31470730 or later	Released July 2020	
Oracle Unified Directory	OUD BUNDLE PATCH 12.2.1.4.200526 Patch 31400392 or later	Released July 2020	

Distribution	Patches	Advisory Number	Comments
Oracle WebCenter Portal	WebCenter Portal Bundle Patch 12.2.1.4.200903 Patch 31850623 or later	CVE-2020-2555, CVE-2020-10683, CVE-2020-9281	
Oracle Forms and Reports	Oracle Reports Developer 12.2.1.4.0 SPU Patch 30731161 or later	Released January 2020	
Oracle Webcenter Sites	Webcenter Sites 12.2.1.4.200714 Patch 31548912 or later	Released July 2020	

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	October 2021	See Note 1933372.1, Error Correction Support Dates for Oracle Fusion Middleware 12c - FMW/WLS
On-Request platforms	-	
Determine Components in an Oracle Home	-	See Note 1591483.1, What is Installed in My Middleware or Oracle home?
Understanding Patch Release Versions	-	See Note 1494151.1, understanding Fusion Middleware Bundle Patch (BP) Release Versions

See Note 2565576.1, Understanding WebLogic Server Patch Set Update (PSU) Release Versions |

Patch Availability for Oracle Fusion Middleware 12.2.1.3

Distribution	Patches	Advisory Number	Comments
Oracle Database home	See "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, 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 13.9.4.2.4 Patch 28186730 or later	Released July 2020	Update OPatch 13.9.4.2.4 Patch 28186730 before applying the WLS PSU.

See Note 1587524.1 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 12.2.1.3.201001 Patch 31961038 or later	CVE-2020-14841, CVE-2020-14825, CVE-2020-14859, CVE-2020-14757, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2019-17267, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1 See Note 2421487.1, Oracle Strongly recommends applying minimum JDK version (JDK 8u181 or later) to make some of Weblogic Server Deserialization vulnerability fixes effective. Refer to Note 2437460.1 for Patch Conflict issue. WLS PSU should also be applied to all homes with a WLS full or standalone domain. See Note 2395745.1, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628 See Note 2421480.1, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933. See Note 2076338.1, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852
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	ADR FOR WEBLOGIC SERVER 12.2.1.3.0 JULY CPU 2020 Patch 31544340 or later	Released July 2020	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch.
Identity and Access Management	OAM BUNDLE PATCH 12.2.1.3.191201(ID:191201.0123.S) Patch 30609442 or later	Released April 2020	
Identity and Access Management Oracle Unified Directory	OUD BUNDLE PATCH 12.2.1.3.200623 Patch 31529239 or later	Released July 2020	

Distribution	Patches	Advisory Number	Comments
Oracle SOA Suite and Business Process	SOA Bundle Patch 12.2.1.3.200901 Patch 31834649 or later	CVE-2019-2904, CVE-2020-1951, CVE-2019-11358, CVE-2020-1945, CVE-2020-9484	
Oracle WebCenter Portal	WebCenter Portal Bundle Patch 12.2.1.3.200905 Patch 31853298 or later	CVE-2019-10173, CVE-2020-9281, CVE-2020-10683,CVE-2020-2555	
Oracle Webcenter Sites	Webcenter Sites 12.2.1.3.200714 Patch 31548911 or later	Released July 2020	
Oracle WebLogic Server and Coherence Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	WEBLOGIC SAMPLES SPU 12.2.1.3.200714 Patch 31384951 or later	Released July 2020	This patch is a cumulative patch for all Struts 2 CVEs to date. See Note 2255054.1, Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities
Oracle WebLogic Server and Coherence Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	Coherence 12.2.1.3.10 Patch 31470751 or later	Released July 2020	
Oracle HTTP Server Oracle Forms and Reports	OHS (NATIVE) BUNDLE PATCH 12.2.1.3.200911 Patch 31876370 or later	CVE-2019-5482	Note 2568225.1Cumulative 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 Patch 30731147 or later	Released January 2020	
Identity and Access Management	OIM BUNDLE PATCH 12.2.1.3.0 (ID:200108.2108) Patch 30735905 or later	Released January 2020	
Oracle HTTP Server Oracle Forms and Reports (Standalone Forms Builder) Oracle Internet Directory	OSS BUNDLE PATCH 12.2.1.3.200714 Patch 31232139 or later	Released July 2020	
Oracle WebCenter Sites	Support Tools 4.4.2 for Oracle WebCenter Sites 12.2.1.3.0 Patch 30505173 or later	Released January 2020	Support Tools for Webcenter Sites Patch
Oracle Data Integrator	ODI Bundle Patch 12.2.1.3.201020 Patch 31873854 or later	CVE-2017-9800, CVE-2016-2510	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 Patch 30410629 or later	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) Patch 30347629 or later	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) Patch 30059259 or later	Released October 2019	
Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW) Oracle HTTP Server	FMW Platform 12.2.1.3.0 SPU FOR APRCPU2019 Patch 29650702 or later	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 Patch 28243743 or later	Released July 2018	
Oracle Enterprise Data Quality	EDQ 12.2.1.3.0 SPU Patch 28263628 or later	Released July 2018	
Oracle HTTP Server Oracle WebLogic Server Proxy Plug-In (Apache, IIS, iPlanet)	ONS 12.2.1.3.0 SPU Patch Patch 27323998 or later	Released July 2018	
Oracle WebCenter Content	WebCenter Content Bundle Patch 12.2.1.3.180417 Patch 27393392 or later	Released April 2018	
Oracle Internet Directory	OID BUNDLE PATCH 12.2.1.3.0 (ID:180116.1256) Patch 27396651 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 Note 2355090.1
Oracle Fusion Middleware Infrastructure (WebLogic Server for FMW)	OHT SPU 12.2.1.3.0 Patch 31613012 or later	Released July 2020	Oracle Help Technologies

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	Note 1290894.1 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
On-Request platforms	AIX, HP-UX Itanium, and Windows are on request.	
Understanding Patch Release Versions	-	See Note 1494151.1, 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 "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See "Oracle WebLogic Server"	See "Oracle WebLogic Server"	See Note 1306505.1, Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
Oracle WebCenter 11.1.1.9 home	WebCenter Portal Bundle Patch 11.1.1.9.201015 Patch 31827879 or later	CVE-2019-10173, CVE-2020-9281	Oracle WebCenter Portal 11.1.1.9 Patch For patch availability, see section 2.2 Post Release Patches See Note 2029169.1, Changes to Portlet standards request dispatching of Resource Requests
Oracle Web Tier 11.1.1.9 home Identity Management 11.1.1.9 home	OHS 11.1.1.9.0 SPU FOR APRCPU2020 Patch 31047338 or later	Released April 2020	Oracle HTTP Server 11.1.1.9 Patch Note 2626956.1 Cumulative README Post-Install Steps for Oracle HTTP Server 11.1.1.9 Critical Patch Update

Product Home	Patches	Advisory Number	Comments
Oracle Identity Management 11.1.1.9 home (with OID) Oracle Web Tier 11.1.1.9 home	OSS BUNDLE PATCH 11.1.1.9.200714 Patch 31304503 or later	Released July 2020	For patch availability, see section 2.2 Post Release Patches Note 2572809.1 Steps to Evaluate and Update SSL Wallet
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	ADF SPU 11.1.1.9.0 FOR OCTCPU2019 Patch 30368663 or later	Released October 2019	
OSB 11.1.1.9 home	OSB Bundle Patch 11.1.1.9.191015 Patch 30002341 or later	Released October 2019	OSB Patch
Oracle Identity Management 11.1.1.9 home	OVD 11.1.1.9.0 SPU for October 19 Patch 30281334 or later	Released October 2019	Oracle Virtual Directory (OVD) Patch OVD 11g: Oracle Virtual Directory SPU (Security Patch Update) Patches Note 2318003.1
ODI 11.1.1.9 Home	ODI Bundle Patch 11.1.1.9.201015 Patch 31921933 or later	CVE-2016-2510	Oracle Data Integrator Patch
SOA 11.1.1.9 home	SOA Bundle Patch 11.1.1.9.0 (ID:181218.1300) Patch 29123005 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 Patch 28855717 or later	Released January 2019	Web Cache Patch See Note 2095166.1, Oracle Web Cache 11.1.1.7/11.1.1.9 SSL Cipher Suite Changes Beginning with CPU January 2016 and Note 2494468.1, How to Disable ESI in Oracle Web Cache
Oracle WebCenter 11.1.1.9 home	WCC BP 11.1.1.9.180226 Patch 27393411 or later	Released April 2018	WebCenter Content Patch

Product Home	Patches	Advisory Number	Comments
Oracle Identity Management 11.1.1.9 home	OID bundle patch 11.1.1.9.171127 Patch 26850241, or later	Released January 2018	Oracle Internet Directory Patch See Note 2420947.1 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 Note 1614114.1
Oracle Identity Management 11.1.1.9 home (with OID) Oracle Web Tier 11.1.1.9 home	OPMN Patch 23716938 or later	Released October 2017	OPMN 11.1.1.9 required patch for integration with OSS Note 2566042.1 SSL Configuration Required to Secure OPMN 11.1.1.9
OSB 11.1.1.9 home	Patch 24847885 or later	Released April 2017	OSB Patch Install prior to Java CPUApr2017 JDK/JRE or later version
Oracle FMW 11.1.1.9 ORACLE_COMMON home	JRF BP 11.1.1.9.160905 Patch 23243563 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 Patch 24580895 or later	Released October 2016	Web Services BP
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	SPU Patch 22567790 or later	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	DB PSU Patch 22290164 or later for Unix DB BP Patch 22607089 or later for Windows 32-Bit DB BP Patch 22607090 or later for Windows x64	Release January 2016	Database 11.1.0.7 client patches for FMW 11.1.1.x/11.1.2.x only
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	OHT SPU 11.1.1.9.0 Patch 28097644 or later	Released July 2020	Oracle Help Technologies

3.3.16.3 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 "Oracle Fusion Middleware 12c"	
Oracle Identity Access Management 11.1.2.3 home	See "Oracle Identity Access Management 11.1.2.3"	IAM products listed in Note 1510284.1, Announcing Oracle Identity Access Management 11g Release 2 (11.1.2)
Oracle Identity Management 11.1.1.9 home	See "Oracle Fusion Middleware 11.1.1.9"	FMW 11.1.1.9 table for IDM products listed in Note 2003468.1, Announcing Oracle Fusion Middleware 11g Release 1 (11.1.1.9.0)

3.3.16.4 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
Final CPU	Oct 2021	Note 1290894.1 Error Correction Support Dates for Oracle Fusion Middleware 11g (11.1.1/11.1.2)
On-Request platforms	-	
Understanding Patch Release Versions	-	See Note 1494151.1, 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 "Oracle Database"	See "Oracle Database"	Patch any Database Server associated to a Fusion Middleware installation
Oracle Java SE home Oracle JRockit 28.x home	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
Oracle WebLogic Server home	See "Oracle WebLogic Server"	See "Oracle WebLogic Server"	See Note 1306505.1, Patch Set Update (PSU) Administration Guide for Oracle WebLogic Server (WLS)
Oracle Identity and Access Management 11.1.2.3 home	See "Oracle Fusion Middleware 11.1.1.9"	See "Oracle Fusion Middleware 11.1.1.9"	Apply Fusion Middleware patches with Oracle Identity and Access Management 11.1.2.3 home

Product Home	Patches	Advisory Number	Comments
Oracle Identity Access Management 11.1.2.3.0 home	OUD BUNDLE PATCH 11.1.2.3.200625 Patch 31541461	Released July 2020	
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	ADF SPU 11.1.1.9.0 FOR OCTCPU2019 Patch 30368663	Released October 2019	
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	JRF BP 11.1.1.9.160905 Patch 23243563 or later	Released January 2017	JRF BP
Oracle Fusion Middleware 11.1.1.9.0 ORACLE_COMMON home	SPU Patch 22567790	Released in July 2016	FMW Control Patch applies to oracle_common OH for 11.1.1.9.0
Oracle Identity Management 11.1.2.3 home	OIM BUNDLE PATCH 11.1.2.3.0(ID:190922.2323) Patch 30338509 or later OR IDM SUITE BUNDLE PATCH 11.1.2.3.191015 Patch 30292098	Released January 2020	
Oracle Identity Access Management 11.1.2.3 home	Patch 30292098 - IDM Suite Bundle Patch 11.1.2.3.191015 OR Patch 30386537 - OAM BUNDLE PATCH 11.1.2.3.191004(ID:191004.0426)	Released April 2020	These CVE fixes announced in April CPU are part of the patches released earlier.
Oracle Identity Access Management 11.1.2.3.0 home	OAAM Server 11.1.2.3.0 SPU for October18 Patch 28750460	Released October 2018	Oracle Adaptive Access Manager Patch
Oracle WebGate 11.1.2.3 Home	Patch 31710235 - OAM WEBGATE BUNDLE PATCH 11.1.2.3.200804 or later	CVE-2018-11058	

3.3.16.5 Oracle Identity Management Connector

Error Correction information for Oracle Identity Management Connector

Patch Information	12c	11g	9.1.1.5	Comments
Final CPU	refer to Note 2454684.1			

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 Patch 25028999	Released October 2017	
CA Top Secret Connector 9.1.0.6	OIM Connector 9.1.0.6 Patch 31708407	CVE-2017-5645	9.0.x customers should upgrade to 9.1.0.x

Product Version	Patch	Advisory Number	Comments
RACF adv connector 9.1.0.2	OIM Connector 9.1.0.2 Patch 31058957	Released April 2020	9.0.x customers should upgrade to 9.1.0.x
acf2 connector 9.1.0.1	OIM Connector 9.1.0.1 Patch 31101274	Released April 2020	9.0.x customers should upgrade to 9.1.0.x

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
11.1.2.4	11.1.2.4.040 PSU Patch 31206874	CVE-2020-14768	
11.1.2.3	SPU Patch 20184072 SPU Patch 20184082	Released October 2015	
11.1.2.2	SPU Patch 18148649	Released July 2014	

3.3.18 Oracle Hyperion BI+

Error Correction information for Oracle Hyperion BI+

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

Patch Availability for Oracle Hyperion BI+

Product Home	Patch	Advisory Number	Comments
11.1.2 Home	The issue has been addressed in the latest releases: 11.1.2.4.900 and 11.2.*. Customers on the prior releases are recommended to upgrade to the latest releases. An upgrade path for release 11.1.2.4 is described in the Oracle Enterprise Performance Management System Release 11.2.2.0.000 Readme	CVE-2020-14767, CVE-2020-14770	IQR-Foundation service

3.3.19 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; Patch 28818149	Released October 2019	

3.3.20 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 Patch 19466859 SPU Patch 20929659	Released July 2015	
11.1.2.2	SPU On-Request	Released July 2015	

3.3.21 Oracle Hyperion Essbase

Error Correction information for Oracle Hyperion Essbase

Patch Information	11.1.2.x	Comments
Final CPU	April 2021	

Patch Availability for Oracle Hyperion Essbase

Product Home	Patch	Advisory Number	Comments

11.1.2.4	11.1.2.4.040 PSU [Patch 31206851](#) (RTC) 11.1.2.4.040 PSU [Patch 31206855](#) (Client) 11.1.2.4.040 PSU [Patch 31206859](#) (Client MSI) 11.1.2.4.040 PSU [Patch 31206864](#) (Server) 11.1.2.4.031 PSU [Patch 29260139](#) (Studio Server) 11.1.2.4.031 PSU [Patch 29260141](#) (Studio Console) 11.1.2.4.0.037 PSU [Patch 30717472](#) (Essbase Administration Services Server) 11.1.2.4.037 PSU [Patch 30717462](#) (Essbase Administration Services Console)	CVE-2019-5482, CVE-2019-1547	Install prior to Java CPUApr2017 JDK/JRE or later version
11.1.2.3	11.1.2.3.508 PSU [Patch 22347375](#) (RTC) 11.1.2.3.508 PSU [Patch 22347367](#) (Client) 11.1.2.3.508 PSU [Patch 22314799](#) (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	

3.3.22 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 [Patch 29060830](#)	Released July 2019	
11.1.2.4	JDev ADF [Patch 31246831](#)	Released July 2020	

3.3.23 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 Patch 28314691	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 Patch 29343616 + JDev ADF Patch 30378046	Released April 2020	

3.3.24 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 Patch 27457998	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 Patch 30670918 PSU 11.1.2.4.902 Patch 30670918	Released April 2020	

3.3.25 Oracle Hyperion Lifecycle Management

Error Correction information for Oracle Hyperion Lifecycle Management

Patch Information	11.1.2.x	Comments
Final CPU	October 2021	

Patch Availability for Oracle Hyperion Lifecycle Management

Product Home	Patch	Advisory Number	Comments
11.1.2.4	The issue has been addressed in the latest releases: 11.1.2.4.900 and 11.2.*. Customers on the prior releases are recommended to upgrade to the latest releases. An upgrade path for release 11.1.2.4 is described in the Oracle Enterprise Performance Management System Release 11.2.2.0.000 Readme	CVE-2020-14752, CVE-2020-14772	Shared Services

3.3.26 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 11.1.2.4.010 Patch 31365862	CVE-2020-14764	This patch is cumulative and will include the fixes/CVEs from patch 29889455
11.1.2.4	JDev 11.1.1.7.1 SPU Patch 30378046	Released October 2019	JDev ADF Patch needs to be applied to Hyperion Planning. To download this patch please contact Support to get the password.

3.3.27 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; Patch 29461894	Released October 2019	

3.3.28 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 Patch 14593946	Released April 2014	
11.1.2.1	CPU Patch 17636270	Released April 2014	

3.3.29 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
11.1.2.4.900	Patch 31486872	CVE-2020-14854	
11.1.2.4.700	11.1.2.4.825 SPU Patch 31124100	CVE-2020-14854	
11.1.2 Home	11.1.2.4.009 SPU Patch 29115044 apply Weblogic 10.3.6 Latest PSU. See "Oracle WebLogic Server" Section	Released July 2019	R&A Framework Patch

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	July 2025	October 2021	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 Note 1494151.1, Understanding Fusion Middleware Bundle Patch (BP) Release Versions.				

Critical Patch Update Availability for Oracle JDeveloper and Oracle ADF

Release	Patch	Advisory Number	Comments
12.2.1.4.0	ADF BUNDLE PATCH 12.2.1.4.200817 Patch 31762739 or later	CVE-2020-11022	
12.2.1.3.0	ADF BUNDLE PATCH 12.2.1.3.201007 Patch 31985811 or later	CVE-2020-11022	
11.1.2.4.0	ADF SPU 11.1.2.4.0 for OctCPU2019 Patch 30380494 or later	Released October 2019	
11.1.1.9.0	ADF SPU 11.1.1.9.0 FOR OCTCPU2020 Patch 31985571 or later	CVE-2020-11022	

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	July 2025	October 2021	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 AND 12.2.1.4	Mapviewer 12.2.1.4.0 SPU Patch 31026189	Released July 2020	The same Patch applies to 12.2.1.3 and 12.2.1.4
11.1.1.9	SPU Patch 27534923	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	April 2022	December 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) OCTOBER 2020 8.5.5 BUNDLE PATCH #2 Patch 31942367	CVE-2020-15389, CVE-2020-13631	
Oracle Outside In Technology 8.5.4	ORACLE OUTSIDE IN TECHNOLOGY (OIT) OCTOBER 2020 8.5.4 BUNDLE PATCH #10 Patch 31942355	CVE-2020-15389, CVE-2020-13631	

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	October 2021	

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 Patch 28722658	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

	Oct 2024	Oct 2020	
Final CPU			

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 Patch 29169314	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 Patch 29169322	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 "Oracle Fusion Middleware 12c"	
Oracle SOA Suite 11.1.1.9 home	See "Oracle Fusion Middleware 11.1.1.9"	

3.3.36 Oracle Traffic Director

Error Correction information for Oracle Traffic Director

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

Patch Availability for Oracle Traffic Director

Product Home	Patch	Advisory Number	Comments
Oracle Traffic Director 12c home	See "Oracle Fusion Middleware 12c"	See "Oracle Fusion Middleware 12c"	
11.1.1.9	Oracle Traffic Director SPU Patch 29340480	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	Comments
Final CPU	April 2024	April 2022	

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 Patch 28090531 rp029 oracle tuxedo 12.2.2 SPU for JULCPU2018 win-64 with vs2015 Patch 28124771 rp029 oracle tuxedo 12.2.2 SPU for JULCPU2018 win-32 with vs2015 Patch 28124779	Released July 2018	For CVE-2017-10269, see extra settings required with these cumulative patches in Note 2326009.1
12.1.3.0	RP117 TUXEDO 12.1.3.0 SPU FOR CPUJAN2020 Patch 30596495 RP117 TUXEDO 12.1.3.0 SPU (WINDOWS VS2013) FOR CPUJAN2020 Patch 30601651 RP117 TUXEDO 12.1.3.0 SPU (WINDOWS VS2012) FOR CPUJAN2020 Patch 30601637	Released January 2020	For CVE-2017-10269, see extra settings required with these cumulative patches in Note 2326009.1

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	Comments
Final CPU	April 2024	April 2022	

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

Product Home	Patches	Advisory Number	Comments
TSAM Plus 12.2.2	RP002 Patch 25389632	Released July 2017	
TSAM Plus 12.1.3	RP019 FOR LINUX 64-BIT X86 Patch 27379436	Released January 2018	

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 "Oracle Fusion Middleware 12c"	
Oracle Web-Tier 11g Utilities 11.1.1.9 home	See "Oracle Fusion Middleware 11.1.1.9"	

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 "Oracle Fusion Middleware 12c"		
Oracle WebCenter Content 11.1.1.9 home	See "Oracle Fusion Middleware 11.1.1.9"	See "Oracle Fusion Middleware 11.1.1.9"	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	July 2025	October 2021	December 2021	

Patch Availability for Oracle WebCenter Portal

Product Home	Patches	Comments
FMW 12c home	See "Oracle Fusion Middleware 12c"	
Oracle WebCenter 11.1.1.9 home	See "Oracle Fusion Middleware 11.1.1.9"	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	11.1.1.8	Comments
Final CPU	July 2025	October 2021	October 2021	

Patch Availability for Oracle WebCenter Sites

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

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 Patch 26951713 or later	Released January 2018	See "Oracle WebCenter 11.1.1.8"

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 "Oracle Fusion Middleware 11.1.1.9"	

3.3.46 Oracle WebLogic Portal

Error Correction information for Oracle WebLogic Portal

Patch Information	10.3.7.0	Comments
Final CPU	October 2021	Note 1308963.1 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	14.1.1.0.0	12.2.1.4.0	12.2.1.3.0	12.1.3.0	10.3.6.0	Comments
Final CPU	January 2028	July 2025	October 2021	October 2020	October 2021	Note 950131.1 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 Note 2565576.1, 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)

This section contains the following:

3.3.47.1 Oracle WebLogic Server 14.1.1.0
All of the patches listed in the table below should be applied to an Oracle WebLogic Server 14.1.1.0 installation

Product Home	Patch	Advisory Number	Comments
Oracle WebLogic Server 14.1.1.0	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE Download locations and installation instructions in above document	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
	OPatch 13.9.4.2.4 Patch 28186730	Released July 2020	Update OPatch 13.9.4.2.4 Patch 28186730 before applying the WLS PSU. See Note 1587524.1 Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c
	WLS PATCH SET UPDATE 14.1.1.0.200930 Patch 31957062	CVE-2020-14841, CVE-2020-14825, CVE-2020-14859, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1
	WEBLOGIC SAMPLES SPU 14.1.1.0.200714 Patch 31384947	Released July 2020	
	Coherence 14.1.1.0.1 Patch 31201347 or later	Released July 2020	

3.3.47.2 Oracle WebLogic Server 12.2.1.4
All of the patches listed in the table below should be applied to an Oracle WebLogic Server 12.2.1.4 installation

Product Home	Patch	Advisory Number	Comments

Oracle WebLogic Server 12.2.1.4	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE Download locations and installation instructions in above document	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
	OPatch 13.9.4.2.4 Patch 28186730	Released July 2020	Update OPatch 13.9.4.2.4 Patch 28186730 before applying WLS PSU. See Note 1587524.1 Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c
	WLS PATCH SET UPDATE 12.2.1.4.201001 Patch 31960985	CVE-2020-14841, CVE-2020-14825, CVE-2020-14859, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1 See Note 2665794.1, How to Restrict T3/T3S Protocol Traffic for WebLogic Server.
	WEBLOGIC SAMPLES SPU 12.2.1.4.200714 Patch 31384959	Released July 2020	
	ADR FOR WEBLOGIC SERVER 12.2.1.4.0 JULY CPU 2020 Patch 31544353	Released July 2020	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch.
	Coherence 12.2.1.4.5 Patch 31470730 or later	Released July 2020	

3.3.47.3 Oracle WebLogic Server 12.2.1.3
All of the patches listed in the table below should be applied to an Oracle WebLogic Server 12.2.1.3 installation

Product Home	Patch	Advisory Number	Comments
Oracle WebLogic Server 12.2.1.3	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE Download locations and installation instructions in above document	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products

Product Home	Patch	Advisory Number	Comments
	OPatch 13.9.4.2.4 Patch 28186730	Released July 2020	Update OPatch 13.9.4.2.4 Patch 28186730 before applying WLS PSU. See Note 1587524.1 Using OUI NextGen OPatch 13 for Oracle Fusion Middleware 12c
	WLS PATCH SET UPDATE 12.2.1.3.201001 Patch 31961038	CVE-2020-14841, CVE-2020-14825, CVE-2020-14859, CVE-2020-14757, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2019-17267, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1 See Note 2421487.1, Oracle Strongly recommends applying minimum JDK version (JDK 8u181 or later) to make some of Weblogic Server Deserialization vulnerability fixes effective. See Note 2665794.1, How to Restrict T3/T3S Protocol Traffic for WebLogic Server Refer to Note 2437460.1 for Patch Conflict issue. CVE-2018-3213 Is addressed in Docker Images published after September 13, 2018. Latest docker image at https://container-registry.oracle.com. See Note 2395745.1, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628 See Note 2421480.1, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933. See Note 2076338.1 July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852
	ADR FOR WEBLOGIC SERVER 12.2.1.3.0 JULY CPU 2020 Patch 31544340	Released July 2020	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch.

Product Home	Patch	Advisory Number	Comments
	WEBLOGIC SAMPLES SPU 12.2.1.3.200714 Patch 31384951	Released July 2020	This patch is a cumulative patch for all Struts 2 CVEs to date. For more information, see: Note 2255054.1 Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities.
	Coherence 12.2.1.3.10 Patch 31470751 or later	Released July 2020	

3.3.47.4 Oracle WebLogic Server 12.1.3

All of the patches listed in the table below should be applied to an Oracle WebLogic Server 12.1.3 installation

Product Home	Patch	Advisory Number	Comments
Oracle WebLogic Server 12.1.3	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE Download locations and installation instructions in above document	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products
	WLS PATCH SET UPDATE 12.1.3.0.201020 Patch 31656851	CVE-2020-14841, CVE-2020-14859, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1 See Note 2665794.1, How to Restrict T3/T3S Protocol Traffic for WebLogic Server Refer to Note 2566635.1 for Overlay Patch Conflict issue See Note 2421487.1, Oracle Strongly recommends applying minimum JDK version (JDK 7 u191 or later OR JDK 8u181 or later) to make some of the Weblogic Server Deserialization vulnerability fixes effective. See Note 2395745.1, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628 See Note 2421480.1, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933. See Note 2076338.1 July 2018 Critical Patch Update: Additional information about the Oracle

Product Home	Patch	Advisory Number	Comments
	ADR FOR WEBLOGIC SERVER 12.1.3.0 JULY CPU 2020 Patch 31544363	Released July 2020	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch.
	WEBLOGIC SAMPLES SPU 12.1.3.0.200714 Patch 31615281	Released July 2020	This patch is a cumulative patch for all Struts 2 CVEs to date. For more information, see: Note 2255054.1 Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities.
	Coherence 12.1.3.0.9 Patch 31470778	Released July 2020	
	WLS 12.1.3 JDBC Patch 20741228	Released January 2018	Please refer to Note 1970437.1 How To Update the JDBC and UCP Drivers Bundled with WebLogic Server 10.3.6 and 12c
	SPU Patch 24327938	Released July 2016	TopLink JPA-RS patch
	See Note 1936300.1 How to Change SSL Protocols (to Disable SSL 2.0/3.0) in Oracle Fusion Middleware Products (Doc ID 1936300.1)	Released October 2014	SSL V3.0 "Poodle" Advisory

3.3.47.5 Oracle WebLogic Server 10.3.6
All of the patches listed in the table below should be applied to an Oracle WebLogic Server 10.3.6 installation

Product Home	Patch	Advisory Number	Comments
Oracle WebLogic Server 10.3.6	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE Download locations and installation instructions in above document	See Note 1492980.1, How to Install and Maintain the Java SE Installed or Used with FMW 11g/12c Products

Product Home	Patch	Advisory Number	Comments
	WLS PATCH SET UPDATE 10.3.6.0.201020 Patch 31641257	CVE-2020-14841, CVE-2020-14859, CVE-2020-14820, CVE-2020-11022, CVE-2020-14883, CVE-2020-9488, CVE-2020-14882	For CVE-2020-14750 Security Advisory Patches, see Note 2724951.1 See Note 2421487.1 - Oracle Strongly recommends applying minimum JDK version (JDK 7 u191 or later) to make some of the Weblogic Server Deserialization vulnerability fixes effective. See Note 2665794.1, How to Restrict T3/T3S Protocol Traffic for WebLogic Server See Note 1607170.1, SSL Authentication Problem Using WebLogic 10.3.6 and 12.1.1 With JDK1.7.0_40 or Higher See Note 2395745.1, April 2018 Critical Patch Update: Additional Information about the Oracle WebLogic Server Vulnerability CVE-2018-2628 See Note 2421480.1, July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2018-2933. See Note 2076338.1 July 2018 Critical Patch Update: Additional information about the Oracle WebLogic Server Vulnerability CVE-2015-4852
	ADR FOR WEBLOGIC SERVER 10.3.6 JULY CPU 2020 Patch 31241365	Released July 2020	ADR Patch See Note 2703429.1 for details on ADR and Applicability of this patch.
	WLS 10.3.6 JDBC Patch 27541896	Released January 2018	Please refer to Note 1970437.1 How To Update the JDBC and UCP Drivers Bundled with WebLogic Server 10.3.6 and 12c
	WLS 10.3.6 SAMPLES PSU 10.3.6.0.190716 Patch 29659185	Released July 2019	This patch is a cumulative patch for all Struts 2 CVEs to date. For more information, see: Note 2255054.1 Oracle WebLogic Server Requirements for Apache Struts 2 Vulnerabilities
	Coherence 3.7.1.19 Patch 31447246	Released July 2020	

Product Home	Patch	Advisory Number	Comments
	See Note 1936300.1 How to Change SSL Protocols (to Disable SSL 2.0/3.0) in Oracle Fusion Middleware Products (Doc ID 1936300.1)	Released October 2014	SSL V3.0 "Poodle" Advisory

3.3.48 Oracle Coherence

Error Correction information for Oracle Coherence

Patch Information	14.1.1.0	12.2.1.4	12.2.1.3	12.1.3.0	3.7.1	Comments
Final CPU	January 2028	July 2025	October 2021	January 2021	October 2021	The official dates are in the Lifetime Support document, which is updated when any extension is approved.

Critical Patch Update Availability for Oracle Coherence

Follow the guidance below to locate the patches that should be applied to a Standalone Oracle Coherence installation

Product Home	Patch	Advisory Number	Comments
Applies to all Oracle Coherence Versions	Java See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	See Note 2708527.1, Oracle Critical Patch Update (CPU) Oct 2020 for Oracle Java SE	
Oracle Coherence 14.1.1.0	OPatch 13.9.4.2.4 Patch 28186730 or later Coherence 14.1.1.0.1 Patch 31201347 or later	Released July 2020	If WLS is installed, see WLS 14.1.1.0 for a full list of patches needed including Oracle Coherence
Oracle Coherence 12.2.1.4	OPatch 13.9.4.2.4 Patch 28186730 or later Coherence 12.2.1.4.5 Patch 31470730 or later	Released July 2020	If WLS is installed, see WLS 12.2.1.4 for a full list of patches needed including Oracle Coherence
Oracle Coherence 12.2.1.3	OPatch 13.9.4.2.4 Patch 28186730 or later Coherence 12.2.1.3.10 Patch 31470751 or later	Released July 2020	If WLS is installed, see WLS 12.2.1.3 for a full list of patches needed including Oracle Coherence
Oracle Coherence 12.1.3.0	Coherence 12.1.3.0.9 Patch 31470778 or later	Released July 2020	If WLS is installed, see WLS 12.1.3 for a full list of patches needed including Oracle Coherence
Oracle Coherence 3.7.1.x	Coherence 3.7.1.19 Patch 31447246 or later	Released July 2020	If WLS is installed, see WLS 10.3.6 for a full list of patches needed including Oracle Coherence

3.4 Oracle Sun Middleware

This section contains the following:

- Section 3.4.1 "Directory Server Enterprise Edition"

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 Patch 29893742	Released July 2019	CVE-2018-18508 is not applicable to Windows Platform. Please refer to 2.2 Post Release Patches for Windows Patch.

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	11.2.0.3.25, 12.2.0.1.21	Released July 2020	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
July 2020	Oracle Tuxedo 12.1.1.0 Oracle Tuxedo System and Applications Monitor Plus (TSAM Plus) 12.1.1.1	
April 2020	Management Pack For Oracle GoldenGate 11.2.1.0 Oracle Big Data Discovery Oracle Enterprise Manager Cloud Control 13c Release 2 (13.2.0.0)	
January 2020	Oracle Enterprise Manager Ops Center 12.3.3 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 Application Testing Suite 13.2.0.1 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 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 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 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	

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
October 20, 2020	Released Updated the 'OHS (NATIVE) BUNDLE PATCH' row in section 3.3.16.1.2 and section 3.2.4
October 22, 2020	Removed Oracle Security Service from section 3.3.16.1.1 Returned Patch 30347629 to section 3.2.4 pending the completion of internal testing.
October 23, 2020	Updated patch availability in section 2.2 Added distributions for Patch 31544340 in section 3.3.16.1.2 Updated final CPU in section 3.3.16.1.1
October 27, 2020	Updated patch availability in section 2.2 Updated final CPUs date of October 2025 to July 2025 throughout this document.
October 28, 2020	Updated patch availability in section 2.2
October 29, 2020	Removed comment for Patch 32019093 in section 3.2.4 Updated the Final CPU date for version 12.1.3.0 in section 3.3.47
October 30, 2020	Updated patch availability in section 2.2
November 02, 2020	Added comment for Patch 31960985 to section 3.3.16.1.1 & 3.3.47.2 Added comment for Patch 31961038 to section 3.3.16.1.2 & 3.3.47.3 Added comment for Patch 31957062 to section 3.3.47.1 Added comment for Patch 31656851 to section 3.3.47.4 Added comment for Patch 31641257 to section 3.3.47.5 Removed comment for Patch 31899771 in section 3.2.4 Updated patch availability in section 2.2
November 04, 2020	Updated patch availability in section 2.2
November 05, 2020	Added CVE-2018-2765 to the Advisory Number column in sections 3.1.4.4, 3.1.4.5, and 3.1.4.6. Updated patch availability in section 2.2
November 06, 2020	Corrected the Advisory Number column for the 2nd and the 3rd rows in sections 3.1.4.2 - 3.1.4.6
November 09, 2020	Updated patch availability in section 2.2
November 12, 2020	Updated patch availability in section 2.2
November 13, 2020	Updated patch availability in section 2.2
November 17, 2020	Corrected section numbers 3.3.45 through 3.3.48 at the top of section 3.3.

7 Documentation Accessibility

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