

Certified Systems Matrix

This guide lists the certified systems for Oracle Enterprise Manager Ops Center.

The following topics are covered in this document:

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- [Base Browsers](#)
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- [Target Operating Systems](#)
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Base Operating Systems

This section describes the supported operating systems for the Enterprise Controller and Proxy Controller.

Enterprise Controller Operating Systems

This table lists the supported operating systems for the Enterprise Controller.

Table 1-1 Enterprise Controller Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris		
Oracle Solaris SPARC	10	Embedded Database: 1/13 Customer-Managed Database: 1/13

Table 1-1 (Cont.) Enterprise Controller Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle Solaris SPARC Local Zone	10	Embedded Database: 1/13 Customer-Managed Database: 1/13
Oracle Solaris SPARC Local Zone	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle Solaris SPARC Kernel Zone	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle VM Server for SPARC	10	Embedded Database: 1/13 Customer-Managed Database: 1/13
Oracle VM Server for SPARC	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle Solaris x86	10	Embedded Database: 1/13 Customer-Managed Database: 1/13
Oracle Solaris x86	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle Solaris x86 Local Zone	10	Embedded Database: 1/13 Customer-Managed Database: 1/13
Oracle Solaris x86 Local Zone	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Oracle Solaris x86 Kernel Zone	11	Embedded Database: 11.3 and 11.4 Customer-Managed Database: 11.3 and 11.4
Linux		
Oracle Linux	7	7.0 - 7.3

Proxy Controller Operating Systems

This table lists the supported operating systems for Proxy Controllers.

Table 1-2 Proxy Controller Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris		
Oracle Solaris SPARC	10	1/13
Oracle Solaris SPARC	11	11.3 and 11.4
Oracle Solaris SPARC Local Zone	11	11.3 and 11.4

Table 1-2 (Cont.) Proxy Controller Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC Kernel Zone	11	11.3 and 11.4
Oracle VM Server for SPARC	10	1/13
Oracle VM Server for SPARC	11	11.3 and 11.4
Oracle Solaris x86	10	1/13
Oracle Solaris x86	11	11.3 and 11.4
Oracle Solaris x86 Local Zone	11	11.3 and 11.4
Oracle Solaris x86 Kernel Zone	11	11.3 and 11.4
Linux		
Oracle Linux	7	7.0 - 7.3

Base Browsers

This table lists the supported browsers for accessing the user interface.

Table 1-3 Base Browsers

Certification Platform	Version
Firefox	64 or later
Internet Explorer	11
Chrome	71 or later

Base Databases

This table lists the supported product databases.

Table 1-4 Base Databases

Certification Platform	Version	Supported Update Level	Comments
Oracle Database - Customer-Managed	12c	12.1.0.2 container and non-container	All platforms the database supports are allowed.
	11g	11.2.0.3.0 and 11.2.0.4.0	Oracle Real Application Clusters are supported.

Table 1-4 (Cont.) Base Databases

Certification Platform	Version	Supported Update Level	Comments
Oracle Database - Embedded	12c	12.1.0.2	Oracle Database 12.1.0.2 is used in Oracle Enterprise Manager Ops Center 12.4.

Base Oracle Clusterware for High Availability

This table lists the supported Oracle Clusterware versions for Enterprise Controller High Availability.

Table 1-5 Base Oracle Clusterware

Certification Platform	Version	Update Level
Oracle Clusterware	11gR2	11.2.0.1 or 11.2.0.3

Target Operating Systems

This table lists the supported target operating systems.

Table 1-6 Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC		
Oracle Solaris SPARC	10	1/13
Oracle Solaris SPARC	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle Solaris SPARC Local Zone	10	1/13

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC Local Zone	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle Solaris SPARC Kernel Zone	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle VM Server for SPARC	10	1/13
Oracle VM Server for SPARC	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle Solaris x86		
Oracle Solaris x86	10	1/13
Oracle Solaris x86	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle Solaris x86 Local Zone	10	1/13

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris x86 Local Zone	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Oracle Solaris x86 Kernel Zone	11	11.3 and 11.4 The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets. For Oracle Solaris 11.3 and 11.4, support is limited to the same feature set as Oracle Solaris 11.1, as well as limited support for Kernel zones. Other features introduced in Oracle Solaris 11.3 and 11.4 are not yet supported.
Linux		
Oracle Linux	7	7.0 - 7.3 OS Updates are not supported.

Target Servers

This section shows the supported target servers.

Oracle Enterprise Manager Ops Center can perform server management tasks on many platforms. All Oracle/Sun servers with ILOM enabled service processors are supported. These servers represent the bulk of server equipment (V series servers, X series servers, T series servers, and M series servers) available from Oracle. Exceptions are called out in the documentation for specific features if any exist. The recommended firmware is the most recently tested version.

Starting with Oracle Enterprise Manager Ops Center 12c Release 3 (12.3.2.0.0), Oracle Server X6-2, Oracle Server X6-2L, SPARC S7-2, and SPARC S7-2L systems are supported.

SPARC M5-32, SPARC M6-32, SPARC M7-8, SPARC M7-16, SPARC M8-8 Single Domain, and SPARC M8-8 Multi Domain servers are supported, but some features have additional limitations:

- When performing firmware provisioning on SPARC M5-32 and SPARC M6-32 servers, do not select the "Requires Host Power Off" option.
- Certain hardware faults on SPARC M5-32 and SPARC M6-32 servers are mapped to the wrapping components, rather than to the correct components.

- When performing OS Provisioning on SPARC M5-32, SPARC M6-32, SPARC M7-8, SPARC M7-16, SPARC M8-8 Single Domain, and SPARC M8-8 Multi Domain server domains, if you plan to use the network interfaces on the PCI cards that are available only through OBP, specify the MAC address of the network interface instead of the IP address when you deploy the OS Provisioning plan.

Oracle Server X7 series systems are supported, but they do not support Oracle Solaris 10. You cannot configure RAID on Oracle Server X7 series systems.

Oracle Server X6 series systems are supported, but they do not support Oracle Solaris 10. You cannot configure RAID on Oracle Server X6 series systems.

Oracle Server X5 series systems are supported, but they do not support Oracle Solaris 10. You cannot configure RAID on Oracle Server X5 series systems.

Ensure that you maintain your system firmware. The following are some of the reasons to update the firmware on your system:

- Support for new versions of hardware (or peripherals)
- Expanded compatibility and enhancements
- Better reliability and system availability
- Better system performance
- Additional system features
- Security fixes
- Other bug fixes

See the [Related Articles and Resources](#) section for more information about updating firmware.

For the Auto Service Request (ASR) feature, Oracle Enterprise Manager Ops Center supports the ILOM and FMA telemetry sources as well as HALRT faults from Exadata systems. Any hardware supported by Oracle Enterprise Manager Ops Center that is listed as supported in the ASR documentation is supported for ASR through Oracle Enterprise Manager Ops Center using these telemetry sources. See the [Related Articles and Resources](#) section for more information about the ASR documentation.

Target Non-Server Hardware

This table lists the supported target non-server hardware.

For the Auto Service Request (ASR) feature, Oracle Enterprise Manager Ops Center supports the ILOM and FMA telemetry sources as well as HALRT faults from Exadata systems. Any hardware supported by Oracle Enterprise Manager Ops Center that is listed as supported in the ASR documentation is supported for ASR through Oracle Enterprise Manager Ops Center using these telemetry sources. See the [Related Articles and Resources](#) section for more information about the ASR documentation.

Table 1-7 Target Non-Server Hardware

Certification Platform	Version	Minimum Update Level
Open Storage		
Oracle ZFS Storage	ZS3-2	NA
Oracle ZFS Storage	ZS3-4	NA
Oracle ZFS Storage	ZS4-4	NA
Oracle ZFS Storage	ZS5-2	NA

Target Virtualization

This table lists the supported target virtualization technologies for control domains.

See the [Related Articles and Resources](#) section for more information about virtualization requirements.

Table 1-8 Target Virtualization

Certification Platform	Version	Minimum Update Level and Comments
Oracle VM Server for SPARC	3.2	Oracle Solaris 10 1/13
Oracle VM Server for SPARC	3.3	Oracle Solaris 11.3
Oracle VM Server for SPARC	3.4	Oracle Solaris 11.3
Oracle VM Server for SPARC	3.5	Oracle Solaris 11.3
Oracle VM Server for SPARC	3.6	Oracle Solaris 11.4
Oracle Solaris Zones	Oracle Solaris 10	Oracle Solaris 10 1/13
Oracle Solaris Zones	Oracle Solaris 11	Oracle Solaris 11.3 and 11.4
Oracle VM Server for SPARC Supported Guest Operating Systems	NA	For information about Guest support, see http://www.oracle.com/technetwork/documentation/vm-sparc-194287.html .

Related Articles and Resources

See the *Oracle Enterprise Manager Ops Center Installation for Oracle Solaris Operating System* and *Oracle Enterprise Manager Ops Center Installation for Linux Operating Systems* for information about installing Oracle Enterprise Manager Ops

Center. These documents are available in the Oracle Enterprise Manager Ops Center Documentation Library at http://docs.oracle.com/cd/E59957_01/index.htm.

For more information about firmware:

- See Firmware Resources at <http://www.oracle.com/technetwork/systems/patches/firmware/firmware-resources-1429462.html> for a high level overview of firmware update recommendations.
- See the Oracle hardware documentation and Product Notes for minimum firmware and OS requirements for your servers.
- See the *Oracle Enterprise Manager Ops Center Operations Guide* for information about downloading and updating the required firmware version.

See the ASR documentation at <http://www.oracle.com/technetwork/systems/asr/documentation/index.html> for more information about ASR support.

For current discussions, see the product blog at <https://blogs.oracle.com/opscenter>.

See the release-specific Oracle VM Server for SPARC Release Notes for the system requirements, including supported platforms, required and recommended operating system versions, and required and recommended firmware versions. The Oracle VM Server for SPARC documentation is located at <http://www.oracle.com/technetwork/documentation/vm-sparc-194287.html>

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