

Oracle® Enterprise Manager Ops Center

Certified Systems Matrix

12c Release 3 (12.3.2.0.0)

E59961-07

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This guide lists the certified systems for Oracle Enterprise Manager Ops Center. The following topics are covered in this document:

- [Base Operating Systems](#)
- [Base Browsers](#)
- [Base Databases](#)
- [Base Oracle Clusterware for High Availability](#)
- [Target Operating Systems](#)
- [Target Servers](#)
- [Target Non-Server Hardware](#)
- [Target Virtualization](#)
- [Target Engineered Systems](#)
- [Supported Technology](#)

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

Enterprise Controller Operating Systems		
Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris	NA	NA
Oracle Solaris SPARC	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13

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

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris SPARC Local Zone	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13
Oracle Solaris SPARC Local Zone	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle VM Server for SPARC	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13
Oracle VM Server for SPARC	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris x86	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13
Oracle Solaris x86	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris x86 Local Zone	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13
Oracle Solaris x86 Local Zone	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.

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

Certification Platform	Version	Minimum Update Level and Comments
Oracle VM Server for x86	10	Embedded Database: 1/13 Customer-Managed Database: 9/10 through 1/13
Oracle VM Server for x86	11	Embedded Database: 11.1 SRU 14.5 through 11.3 Customer-Managed Database: 11.0 SRU 10 through 11.3 Oracle Solaris 11 Express is not supported.
Linux	NA	NA
Oracle Linux	5.5	Requires Oracle unbreakable Linux kernel Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.32-100.0.19 or later
Oracle Linux	5.6	Requires Oracle unbreakable Linux kernel Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.32-100.0.19 or later
Oracle Linux	5.7	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.32-100.0.19 or later With Red Hat Compatible kernel: 2.6.18-238.0.0.0.1.el5 or later
Oracle Linux	5.8	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.32-100.0.19 or later With Red Hat Compatible kernel: 2.6.18-238.0.0.0.1.el5 or later
Oracle Linux	5.9	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.32-100.0.19 or later With Red Hat Compatible kernel: 2.6.18-238.0.0.0.1.el5 or later

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

Certification Platform	Version	Minimum Update Level and Comments
Oracle Linux	6.2	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.39-200.24.1.el6uek.x86_64 or later With Red Hat Compatible kernel: 2.6.32-71.el6.x86_64 or later
Oracle Linux	6.3	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.39-200.24.1.el6uek.x86_64 or later With Red Hat Compatible kernel: 2.6.32-71.el6.x86_64 or later
Oracle Linux	6.4	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.39-200.24.1.el6uek.x86_64 or later With Red Hat Compatible kernel: 2.6.32-71.el6.x86_64 or later
Oracle Linux	6.5	Supported distributions with embedded database: With Unbreakable Enterprise kernel: 2.6.39-200.24.1.el6uek.x86_64 or later With Red Hat Compatible kernel: 2.6.32-71.el6.x86_64 or later
Oracle Linux	6.6	NA
Oracle Linux	6.7	NA
Oracle Linux	7.0	NA
Oracle Linux	7.1	NA
Oracle Linux	7.2	NA
Red Hat Enterprise Linux	5.5	Supported Distributions with embedded database: 2.6.18-238.0.0.0.1.el5 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.6	Supported Distributions with embedded database: 2.6.18-238.0.0.0.1.el5 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.

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

Certification Platform	Version	Minimum Update Level and Comments
Red Hat Enterprise Linux	5.7	Supported Distributions with embedded database: 2.6.18-238.0.0.0.1.el5 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.8	Supported Distributions with embedded database: 2.6.18-238.0.0.0.1.el5 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.9	Supported Distributions with embedded database: 2.6.18-238.0.0.0.1.el5 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.2	Supported Distributions with embedded database: 2.6.32-71.el6.x86_64 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.3	Supported Distributions with embedded database: 2.6.32-71.el6.x86_64 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.4	Supported Distributions with embedded database: 2.6.32-71.el6.x86_64 or later Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.

Proxy Controller Operating Systems

This table lists the supported operating systems for Proxy Controllers.

Table 1-2 Proxy Controller Operating Systems

Proxy Controller Operating Systems		
Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris	NA	NA
Oracle Solaris SPARC	10	9/10 through 1/13

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

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris SPARC Local Zone	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle VM Server for SPARC	10	9/10 through 1/13
Oracle VM Server for SPARC	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris x86	10	9/10 through 1/13
Oracle Solaris x86	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle Solaris x86 Local Zone	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Oracle VM Server for x86	10	9/10 through 1/13
Oracle VM Server for x86	11	11.0 through 11.3 Oracle Solaris 11 Express is not supported.
Linux	NA	NA
Oracle Linux	5.3	NA
Oracle Linux	5.4	NA
Oracle Linux	5.5	Requires Oracle unbreakable Linux kernel
Oracle Linux	5.6	Requires Oracle unbreakable Linux kernel
Oracle Linux	5.7	Oracle unbreakable Linux kernel is included
Oracle Linux	5.8	Oracle unbreakable Linux kernel is included
Oracle Linux	5.9	Oracle unbreakable Linux kernel is included
Oracle Linux	6.2	Oracle unbreakable Linux kernel is included
Oracle Linux	6.3	Oracle unbreakable Linux kernel is included
Oracle Linux	6.4	Oracle unbreakable Linux kernel is included
Oracle Linux	6.5	Oracle unbreakable Linux kernel is included
Oracle Linux	6.6	NA

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

Certification Platform	Version	Minimum Update Level and Comments
Oracle Linux	6.7	NA
Oracle Linux	7.0	NA
Oracle Linux	7.1	NA
Oracle Linux	7.2	NA
Red Hat Enterprise Linux	5.0	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.2	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.3	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.4	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.5	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.6	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.7	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.8	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.9	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.2	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.3	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.

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

Certification Platform	Version	Minimum Update Level and Comments
Red Hat Enterprise Linux	6.4	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.

Base Browsers

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

Table 1-3 Base Browsers

Base Browsers	
Certification Platform	Version
Firefox	34.0.5 or later
Internet Explorer	11.0.9600.16428 or later
Chrome	39.0.2171.95 or later

Base Databases

This table lists the supported product databases.

Table 1-4 Base Databases

Base Databases			
Certification Platform	Version	Supported Update Level	Comments
Oracle Database - Customer-Managed	11gR2	11.2.0.3.0 11.2.0.4.0	All platforms the database supports are allowed. Oracle Real Application Clusters are supported.
Oracle Database - Customer-Managed	12c	12.1.0.2	All platforms the database supports are allowed. Oracle Real Application Clusters are supported.
Oracle Database - Embedded	11gR2	11.2.0.4.0	Oracle Database 11.2.0.4.0 is used in Oracle Enterprise Manager Ops Center 12.3.0.
Oracle Database - Embedded	12c	12.1.0.2	Oracle Database 12.1.0.2 is used in Oracle Enterprise Manager Ops Center 12.3.1.

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

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

Target Operating Systems		
Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC	NA	NA
Oracle Solaris SPARC	8	Cannot provision Oracle Solaris 8
Oracle Solaris SPARC	9	No Live Upgrade support
Oracle Solaris SPARC	10	All versions through 1/13
Oracle Solaris SPARC	11	11.0 through 11.3 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 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported. Oracle Solaris 11 Express is not supported. Unified Archive (UAR) is only supported for Oracle Solaris 11.2 SRU 9 or above or Oracle Solaris 11.3.
Oracle Solaris SPARC Local Zone	10	All versions through 1/13

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris SPARC Local Zone	11	11.0 through 11.3 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 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported. Oracle Solaris 11 Express is not supported. Unified Archive (UAR) is only supported for Oracle Solaris 11.2 SRU 9 or above or Oracle Solaris 11.3. UAR is not supported for non-global zone provisioning.
Oracle VM Server for SPARC	10	All versions through 1/13
Oracle VM Server for SPARC	11	11.0 through 11.3 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 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported. Oracle Solaris 11 Express is not supported. Unified Archive (UAR) is only supported for Oracle Solaris 11.2 SRU 9 or above or Oracle Solaris 11.3.
Oracle Solaris x86	NA	NA
Oracle Solaris x86	9	No Live Upgrade support
Oracle Solaris x86	10	All versions through 1/13

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Oracle Solaris x86	11	<p>11.0 through 11.3</p> <p>The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets</p> <p>For Oracle Solaris 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported.</p> <p>Oracle Solaris 11 Express is not supported.</p> <p>Unified Archive (UAR) is only supported for Oracle Solaris 11.2 SRU 9 or above or Oracle Solaris 11.3.</p>
Oracle Solaris x86 Local Zone	10	All versions through 1/13
Oracle Solaris x86 Local Zone	11	<p>11.0 through 11.3</p> <p>The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets</p> <p>For Oracle Solaris 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported.</p> <p>Oracle Solaris 11 Express is not supported.</p> <p>Unified Archive (UAR) is only supported for Oracle Solaris 11.2 SRU 9 or above or Oracle Solaris 11.3. UAR is not supported for non-global zone provisioning.</p>
Oracle VM Server for x86	10	<p>All versions through 1/13</p> <p>OS Provisioning is not supported.</p>
Oracle VM Server for x86	11	<p>11.0 through 11.3</p> <p>The Enterprise Controller and Proxy Controller must be on Oracle Solaris 11 to update, provision, and agent-manage Oracle Solaris 11 assets</p> <p>For Oracle Solaris 11.2 and 11.3, 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 11.2 and 11.3 are not yet supported.</p> <p>Oracle Solaris 11 Express is not supported.</p> <p>OS Provisioning is not supported.</p>

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Linux	NA	NA
Oracle Linux	5.3	NA
Oracle Linux	5.4	NA
Oracle Linux	5.5	NA
Oracle Linux	5.6	NA
Oracle Linux	5.7	NA
Oracle Linux	5.8	NA
Oracle Linux	5.9	NA
Oracle Linux	6.0	NA
Oracle Linux	6.1	NA
Oracle Linux	6.2	NA
Oracle Linux	6.3	NA
Oracle Linux	6.4	NA
Oracle Linux	6.5	NA
Oracle Linux	6.6	OS Updates are not supported.
Oracle Linux	6.7	OS Updates are not supported.
Oracle Linux	7.0	OS Provisioning and OS Updates are not supported.
Oracle Linux	7.1	OS Updates are not supported.
Oracle Linux	7.2	OS Updates are not supported.
Red Hat Enterprise Linux	4.x	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.0	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.2	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Red Hat Enterprise Linux	5.3	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.4	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.5	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.6	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.7	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.8	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	5.9	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.0	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.1	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.2	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.3	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Red Hat Enterprise Linux	6.4	Update support is limited for Red Hat Enterprise Linux. See MOS note 1562236.1 for more information.
Novell SUSE Linux Enterprise Server (SLES)	9	NA

Table 1-6 (Cont.) Target Operating Systems

Certification Platform	Version	Minimum Update Level and Comments
Novell SUSE Linux Enterprise Server (SLES)	10	NA
Novell SUSE Linux Enterprise Server (SLES)	11	NA
Windows	NA	NA
Windows	XP	Windows is only supported in agent-less mode. Monitoring is direct. Patching uses MSCCM 2007. Cannot provision Windows.
Windows	2003	Windows is only supported in agent-less mode. Monitoring is direct. Patching uses MSCCM 2007. Cannot provision Windows.
Windows	2008	Windows is only supported in agent-less mode. Monitoring is direct. Patching uses MSCCM 2007. Cannot provision Windows.

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, ALOM, ELOM, XSCF, and RSC 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, and SPARC M7-16 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, and SPARC M7-16 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 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

Target Non-Server Hardware		
Certification Platform	Version	Minimum Update Level
Open Storage	NA	NA
Sun Storage	7110	NA
Sun Storage	7310	NA
Sun Storage	7410	NA
Sun ZFS Storage	7120	NA

Table 1-7 (Cont.) Target Non-Server Hardware

Certification Platform	Version	Minimum Update Level
Sun ZFS Storage	7320	NA
Sun ZFS Storage	7420	NA
Sun ZFS Storage	7720	NA
Oracle ZFS Storage	ZS3-2	NA
Oracle ZFS Storage	ZS3-4	NA
Oracle ZFS Storage	ZS4-4	NA
Network Switches	NA	NA
Sun Blade 6000 and N6000 – Ethernet Switched NEM 24p	10GbE NEM 24p	NA
Sun Network 10GbE Switch 72p	10GbE Switch 72p	NA
Sun Datacenter Infiniband Switch 36	IB Switch 36	NA
Sun Network QDR InfiniBand Gateway Switch	Gateway Switch	NA
Cisco Catalyst	4948	minimum iOS version: rev 12.2 Discovery using SSH is only supported using SSH version 2
Sun Rack Units	NA	NA
Sun Rack II PDUs	Original	Minimum Firmware Version: 1.04 Minimum Bootloader Version: 0.1
Sun Rack II PDUs	Enhanced	Minimum Firmware Version: 2.01 - 16.6.2014 Minimum Bootloader Version: 0.01 - 15.10.2013

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

Target Virtualization

Table 1-8 (Cont.) Target Virtualization

Certification Platform	Version	Minimum Update Level and Comments
Oracle VM Server for SPARC	1.2	Oracle Solaris 10 5/09
Oracle VM Server for SPARC	1.3	Oracle Solaris 10 5/09
Oracle VM Server for SPARC	2.0	Oracle Solaris 10 5/09
Oracle VM Server for SPARC	2.1	Oracle Solaris 10 9/10
Oracle VM Server for SPARC	2.2	Oracle Solaris 10 8/11 or Oracle Solaris 11.0.8 or later
Oracle VM Server for SPARC	3.0	Oracle Solaris 10 8/11 or Oracle Solaris 11.1.1 or later
Oracle VM Server for SPARC	3.1	Oracle Solaris 10 1/13 or Oracle Solaris 11.1.1 or later
Oracle VM Server for SPARC	3.2	Oracle Solaris 10 1/13 or Oracle Solaris 11.2.8 or later
Oracle VM Server for SPARC	3.3	Oracle Solaris 11.3
Oracle VM Server for SPARC	3.4	Oracle Solaris 11.3
Oracle Solaris Zones	Oracle Solaris 10	Oracle Solaris 10 8/07
Oracle Solaris Zones	Oracle Solaris 11	NA
Oracle Virtual Machine for x86	v3.0.x, 3.1.x, and 3.2.x	NA
Oracle VM Server for x86 Supported Guest Operating Systems	NA	See http://www.oracle.com/us/technologies/virtualization/024974.htm for information about Guest support.
Oracle VM Server for SPARC Supported Guest Operating Systems	NA	See http://www.oracle.com/technetwork/documentation/vm-sparc-194287.html for information about Guest support.

Target Engineered Systems

This table lists the supported engineered systems.

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 1-9 Target Engineered Systems

Target Engineered Systems		
Certification Platform	Version	Comments
Exadata Storage Server	All versions	Supported at component level.
Oracle Exalogic Elastic Cloud	All versions	Supported at component level.
Oracle Exalytics In-Memory Machine	All versions	Supported at component level.
Oracle Big Data Appliance	All versions	Supported at component level.
Oracle Database Appliance	All versions	Supported at component level.

Supported Technology

This table lists the supported technology.

Table 1-10 Technology

Technology		
Certification Platform	Version	Comments
Grid Control	11.1	Use the Oracle Enterprise Manager Ops Center Plug-In for GC11
Cloud Control	12.1	Use the Oracle Enterprise Manager Ops Center Plug-In for CC12
Microsoft Configuration Manager	SCCM 2007	NA

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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