


# Active System Manager Version 7.6 Compatibility Matrix Guide



# Notes, Cautions, and Warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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## Overview

Active System Manager (ASM) is Dell's unified management product that provides a comprehensive infrastructure and workload automation solution for IT administrators and teams. ASM simplifies and automates the management of heterogeneous environments, enabling IT to respond more rapidly to dynamic business needs.

IT organizations today are often burdened by complex data centers that contain a mix of technologies from different vendors and cumbersome operational tasks for delivering services while managing the underlying infrastructure. These tasks are typically performed through multiple management consoles for different physical and virtual resources, which can dramatically slow down service deployment.

The new ASM features an enhanced user interface that provides an intuitive, end-to-end infrastructure and workload automation experience through a unified console. This speeds up workload delivery and streamlines infrastructure management, enabling IT organizations to accelerate service delivery and time to value for customers.

This document contains information about virtual appliance and software requirements of ASM, and the resources supported by ASM such as chassis, servers, storage, network switches, and adapters.

## Other Documents You May Need

Go to <http://www.dell.com/asmdocs> for additional supporting documents such as:

- *Dell Active System Manager version 7.6 User's Guide*
- *Dell Active System Manager version 7.6 Release Notes*
- *Dell Active System Manager version 7.6 Quick Installation Guide*

For more information about best practices, Dell solutions, and service, see Dell Active System Manager page on Dell Techcenter:

<http://en.community.dell.com/techcenter/converged-infrastructure/w/wiki/4318.dell-active-system-manager.aspx>

# Active System Manager Appliance Requirements

Active System Manager runs as a virtual appliance on a Dell server configured with the following hardware and software:

Resources	Minimum Requirement
vCPUs	2
Memory	8 GB
Disk Space	40 GB

## Hypervisor and Management Requirements

Software Component	Supported Version
VMware vSphere	<ul style="list-style-type: none"> <li>5.5</li> <li>5.1</li> </ul>
Microsoft System Center Virtual Machine Manager (SCVMM)	<ul style="list-style-type: none"> <li>2012 R2</li> <li>2012</li> </ul>

## Browser Requirements

To display Active System Manager (ASM) correctly, a system must have a minimum 1024 x 768 screen resolution and a Web browser that meets minimum requirements based on the operating system.

Operating System	Internet Explorer	Mozilla Firefox	Google Chrome
<b>Windows Server 2012</b>	Version 9 and Later	Version 26 and Later	Version 32 and Later
<b>Windows Server 2012 R2</b>	Version 9 and Later	Version 26 and Later	Version 32 and Later
<b>Windows Server 2008</b>	Version 9 and Later	Version 26 and Later	Version 32 and Later
<b>Windows Server 2008 R2</b>	Version 9 and Later	Version 26 and Later	Version 32 and Later
<b>Windows 7</b>	Version 9 and Later	Version 26 and Later	Version 32 and Later

<b>Operating System</b>	<b>Internet Explorer</b>	<b>Mozilla Firefox</b>	<b>Google Chrome</b>
<b>Red Hat Enterprise Linux 6.5</b>	Not Supported	Version 26 and Later	Version 32 and Later
<b>Cent OS 6.5</b>	Not Supported	Version 26 and Later	Version 32 and Later

## Supported Resources

This section provides information about the resources supported by Active System Manager (ASM). The information has been segmented based on the resource types.

### Supported Bare Metal OS

Software Component	Firmware Version
Windows	<ul style="list-style-type: none"> <li>• 2012 R2</li> <li>• 2012</li> <li>• 2008 R2</li> </ul>
RHEL	6.5
CentOS	6.5

### Supported Hypervisor

Software Component	Firmware Version
Windows	<ul style="list-style-type: none"> <li>• 2012</li> <li>• 2012 R2</li> </ul>
VMware	<ul style="list-style-type: none"> <li>• 5.5</li> <li>• 5.1</li> </ul>

### Supported Guest OS

Software Component	Firmware Version
Windows	<ul style="list-style-type: none"> <li>• 2012</li> <li>• 2012 R2</li> <li>• 2008 R2</li> <li>• 2008*</li> </ul>
RHEL	6.5
CentOS	6.5

\* Windows 2008 is supported only through cloning.



## Supported Dell PowerEdge Chassis

PowerEdge M1000e, version CMC 4.5

## Supported PowerEdge Servers and Firmware Matrix

The following table provides information about the supported servers.

Resource	BIOS		iDRAC		LC	
	From	To	From	To	From	To
Dell PowerEdge M420	2.0.23	2.2.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge M520	2.0.23	2.1.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge M620	2.1.6	2.2.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge M820	1.7.3	2.0.24	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R420	2.0.22	2.1.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R520	2.0.22	2.1.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R620	2.1.3	2.2.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R720	2.1.3	2.2.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R720XD	2.1.3	2.2.2	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R820	1.7.2	2.0.20	1.57. 57	1.57.57	1.3	1.4
Dell PowerEdge R920	1.0.7	1.2.2	1.57. 57	1.57.57	1.3.0.850	1.4.2

## Supported Cisco UCS Servers and Firmware Matrix

Resource	Firmware Supported	
	From	To
Cisco UCS B200 M1	2.1(3b)	2.2(1d)
Cisco UCS B440 M2	2.1(3b)	2.2(1d)
Cisco UCS B420 M3	2.1(3b)	2.2(1d)
Cisco UCS B22 M3	2.1(3b)	2.2(1d)
Cisco UCS B250 M1	2.1(3b)	2.2(1d)

Resource	Firmware Supported	
	From	To
Cisco UCS B200 M2	2.1(3b)	2.2(1d)
Cisco UCS B230 M2	2.1(3b)	2.2(1d)
Cisco UCS B200 M3	2.1(3b)	2.2(1d)
Cisco UCS B420 M3	2.1(3b)	2.2(1d)
Cisco UCS B22 M3	2.1(3b)	2.2(1d)

## Supported Dell Storage and Firmware Matrix

The following table provides information about the supported storage resources.

Resources	Firmware Supported	
	From	To
Dell PS4100	7.0	7.0
Dell PS6100	7.0	7.0
Dell PS6110	7.0	7.0
Dell PS6210	7.0	7.0
Dell PS6510	7.0	7.0
Dell SC8000	6.3	6.4
Dell SC200	6.3	6.4
Dell SC220	6.3	6.4
Dell SC280	6.3	6.4

## Supported Third-party Storage and Firmware Matrix

The following table provides information about the supported third-party storage resources.

Resources	Firmware Supported	
	From	To
NetApp FAS 22xx (NFS Only)	ONTAP 8.0.4 (7 mode only)	ONTAP 8.0.4 (7 mode only)
NetApp FAS 32xx (NFS Only)	ONTAP 8.0.4 (7 mode only)	ONTAP 8.0.4 (7 mode only)

Resources	Firmware Supported	
	From	To
NetApp FAS 62xx (NFS Only)	ONTAP 8.0.4 (7 mode only)	ONTAP 8.0.4 (7 mode only)

## Supported Networks and Firmware Matrix

The following table provides information about the supported Networks.

Resource	Firmware Supported
Dell Networking PCT 7024	5.1.2.3
Dell Networking S4810	9.3.0.0
Dell Networking S5000	9.3.0.0
Dell Networking S6000	9.3.0.0
Dell PowerEdge M I/O Aggregator switch	9.2.0.0
Dell Networking MXL 10/40GbE blade switch	9.2.0.0
Cisco Nexus 5548	6.0(2)N2(3)
Cisco Nexus 5524	6.0(2)N2(3)
Cisco Nexus 5596	6.0(2)N2(3)
Dell Networking 8/4Gbps FC SAN Module*	v7.2.0.a
Brocade M5424 *	v7.2.0.a
Brocade 6510 *	v7.2.0.a
Brocade M6505*	v7.2.0.a

\* Indicates that the resource is supported only in ASM 7.5.1 and later versions. (Only for ESXi)

## Supported Adapters and Firmware Matrix

The following table provides information about the supported adapters.

Resource	Firmware Supported
Broadcom 57810 -k Dual-Port 10Gb Mezzanine	7.8
Broadcom 57810 Dual-Port 10GbE Network Daughter Card	7.8

<b>Resource</b>	<b>Firmware Supported</b>
Broadcom 57840-k Quad-Port 10GbE Mezzanine	7.8
Broadcom 57840 Quad-Port 10Gb Converged Network Adapter	7.8
QLE 2562 8Gb FC	03.20.06
QME 2572 8Gb Mezzanine FC	03.20.06
QLE 2662 16Gb FC	03.20.06
QME 2662 16Gb Mezzanine FC	03.20.06