Active System Manager
Version 8.0 Compatibility Matrix Guide

Notes, Cautions, and Warnings

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

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.

Contents

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 8.0 User's Guide*
- *Dell Active System Manager version 8.0 Release Notes*
- *Dell Active System Manager version 8.0 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	16 GB
Disk Space	40 GB

Hypervisor and Management Requirements

Software Component	Supported Version
VMware vSphere	• 5.5 • 5.1
Microsoft System Center Virtual Machine Manager (SCVMM)	• 2012 R2 • 2012

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
Windows Server 2012	Version 9 and Later	Version 26 and Later	Version 32 and Later
Windows Server 2012 R2	Version 9 and Later	Version 26 and Later	Version 32 and Later
Windows Server 2008	Version 9 and Later	Version 26 and Later	Version 32 and Later
Windows Server 2008 R2	Version 9 and Later	Version 26 and Later	Version 32 and Later
Windows 7	Version 9 and Later	Version 26 and Later	Version 32 and Later

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

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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	• 2012 R2 • 2012 • 2008 R2
RHEL	• 6.5
CentOS	• 6.5

Supported Hypervisor

Software Component	Firmware Version
Windows	• 2012 • 2012 R2
VMware	• 5.5 • 5.1

Supported Guest OS

Software Component	Firmware Version
Windows	• 2012 • 2012 R2 • 2008 R2 • 2008*
RHEL	• 6.5

Software Component	Firmware Version
CentOS	• 6.5

* Windows 2008 is supported as a virtual machine only and must be created 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	2.1.7	2.1.8	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge M520	2.1.3	2.1.4	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge M620	2.2.7	2.2.10	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge M820	2.0.20	2.0.25	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R420	2.1.2	2.1.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R520	2.1.2	2.1.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R620	2.2.2	2.4.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R720	2.2.2	2.4.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R720XD	2.2.2	2.4.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R820	2.0.20	2.2.3	1.57. 57	1.57.57	1.4.2	1.4.2.12
Dell PowerEdge R920	1.2.2	1.2.2	1.57. 57	1.57.57	1.4.2	1.4.2.12

Supported 13th Generation PowerEdge Servers

Resource	BIOS		iDRAC with Lifecycle Controller	
	From	To	From	To
Dell PowerEdge R630	1.0.4	1.0.4	2.02.01.01	2.02.01.01
Dell PowerEdge R730	1.0.4	1.0.4	2.02.01.01	2.02.01.01
Dell PowerEdge R730 XD	1.0.4	1.0.4	2.02.01.01	2.02.01.01

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)
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	7.0.1
Dell PS6100	7.0	7.0.1
Dell PS6110	7.0	7.0.1
Dell PS6210	7.0	7.0.1
Dell PS6510	7.0	7.0.1
Dell SC8000	6.3	6.5.3.10
Dell SC200	6.3	6.5.3.10
Dell SC220	6.3	6.5.3.10

Resources	Firmware Supported	
	From	**To**
Dell SC280	6.3	6.5.3.10
Dell SC4020	6.5	6.5.3.10

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)
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	
	From	**To**
Dell Networking PCT 7024	5.1.2.3	5.1.2.3
Dell Networking S4810	9.3.0.0	9.5.0.1
Dell Networking S5000	9.3.0.0	9.1.1.0
Dell Networking S6000	9.3.0.0	9.5.0.1
Dell PowerEdge M I/O Aggregator switch	9.2.0.0	9.5.0.1
Dell Networking MXL 10/40GbE blade switch	9.2.0.0	9.5.0.1
Cisco Nexus 5548	6.0(2)N2(3)	6.0(2)N2(3)
Cisco Nexus 5524	6.0(2)N2(3)+	6.0(2)N2(3)+
Cisco Nexus 5596	6.0(2)N2(3)+	6.0(2)N2(3)+
Dell Networking 8/4Gbps FC SAN Module[*]	7.2.0.a	7.2.0.a
Brocade M5424 [*]	7.2.0.a	7.2.0.a

Resource	Firmware Supported	
	From	To
Brocade 6510 *	7.2.0.a	7.2.0.a
Brocade M6505*	v7.2.0.a	v7.2.0.a
Flex IO Module	N/A	N/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	
	From	To
Broadcom 57810 -k Dual-Port 10Gb Mezzanine	7.8	7.8.53
Broadcom 57810 Dual-Port 10GbE Network Daughter Card	7.8	7.8.53
Broadcom 57840-k Quad-Port 10GbE Mezzanine	7.8	7.8.53
Broadcom 57840 Quad-Port 10Gb Converged Network Adapter	7.8	7.8.53
QLogic QLE 2562 8Gb FC HBA	03.20.06	03.20.06
QLogic QME 2572 8Gb FC Mezzanine	03.20.06	03.20.06
Intel M-10GB X520-k DP	15.5.0, A00	16.0.24, A00