



Hardware and Software Interoperability for UCS M-Series Modular Servers

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CHAPTER 1

Hardware and Software Interoperability for UCS M-Series Modular Servers

- [Overview, page 1](#)

Overview

This document provides interoperability matrices for Cisco Unified Computing System components and Configurations that have been tested and validated by Cisco, Cisco partners, or both. Use this document as a reference for supported hardware and software.

Audience

This document is designed for use by Cisco sales, support engineers, professional service partners and system administrators responsible for the design and deployment of the Unified Computing System in the data center environment.

This document applies to the Cisco UCS M Series servers in Cisco Unified Computing System release 2.5(2a).

Acronyms

Acronym	Description
ENIC	Ethernet Network Interface Card
iSCSI	Internet Small Computer System Interface
OS	Operating System
RAID	Redundant Array of Independent Disk
RHEL	Red Hat Enterprise Linux
SLES	SUSE Linux Enterprise Server
UCS	Unified Computing System
UCSM	Unified Computing System Manager



Components Matrix

- [Component Matrix, page 3](#)

Component Matrix

Component	Version/Model
Server	
Cisco UCS M4308 Chassis	2.5 (2a)
Fabric Interconnect 6296	5.2(3)N2(2.52a)
UCS Manager	2.5 (2a)
UCS Driver Bundle	ucs-mxxx-drivers.2.5.2
M142 Cartridges	UCSME-142-M4
Adapter	
Cisco UCS Shared Virtual Adapter	

Supported Storage Arrays

Component	Model	Version
NetApp	FAS 3240	8.0.2 (7-Mode)
EMC	VNX5300	05.32.000.5.218



Japanese Operating System Interoperability Matrix

- [Operating System Interoperability Matrix](#) , page 5

Operating System Interoperability Matrix

UCS Modular Server	Operating System	Vendor
M142 Compute Cartridge	Windows Server 2012 x64	Microsoft
M142 Compute Cartridge	Windows Server 2012 R2 x64	Microsoft
M142 Compute Cartridge	CentOS 6.5 x64	CentOS
M142 Compute Cartridge	Red Hat Enterprise Linux 6.5 x64	Red Hat
M142 Compute Cartridge	Red Hat Enterprise Linux 7.0 x64	Red Hat
M142 Compute Cartridge	SUSE Linux Enterprise 11.3 x64	SuSE
M142 Compute Cartridge	SUSE Linux Enterprise 12 x64	SuSE
M142 Compute Cartridge	Ubuntu 14.04.1 x64	Ubuntu
M142 Compute Cartridge	XenServer 6.5 x64	Citrix



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Adapter Interoperability Matrix

- [UCS Virtual Network Interfaces for the Cisco M-Series Servers](#), page 7
- [UCS Virtual Storage Controller for the Cisco M-Series Servers](#), page 8
- [Related Documentation](#), page 9

UCS Virtual Network Interfaces for the Cisco M-Series Servers

UCS Modular server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
M142 Compute Cartridge	UCS Virtual Ethernet Interface	Windows Server 2012	NetApp FAS 3240 / EMC VNX 5300	3.4.0.12	4.0(6a)
M142 Compute Cartridge	UCS Virtual Ethernet Interface	Windows Server 2012 R2	NetApp FAS 3240 / EMC VNX 5300	3.4.0.12	4.0(6a)
M142 Compute Cartridge	UCS Virtual Ethernet Interface	CentOS 6.5	NetApp FAS 3240 / EMC VNX 5300	2.1.1.97	4.0(6a)
M142 Compute Cartridge	UCS Virtual Ethernet Interface	Red Hat Enterprise Linux 6.5	NetApp FAS 3240 / EMC VNX 5300	2.1.1.97	4.0(6a)
M142 Compute Cartridge	UCS Virtual Ethernet Interface	Red Hat Enterprise Linux 7.0	NetApp FAS 3240 / EMC VNX 5300	2.1.1.97	4.0(6a)
M142 Compute Cartridge	UCS Virtual Ethernet Interface	SUSE Linux Enterprise 11.3	NetApp FAS 3240 / EMC VNX 5300	2.1.1.97	4.0(6a)



Note iSCSI Boot is supported

UCS Virtual Storage Controller for the Cisco M-Series Servers

UCS Modular server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
M142 Compute Cartridge	UCS Virtual Storage Controller	Windows Server 2012	Local Storage(RAID-0,1,5,6,10)	3.2.0.13	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	Windows Server 2012 R2	Local Storage(RAID-0,1,5,6,10)	3.2.0.13	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	CentOS 6.5	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	Red Hat Enterprise Linux 6.5	Local Storage(RAID-0,1,5,6,10)	0.0.1.22)	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	Red Hat Enterprise Linux 7.0	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	SUSE Linux Enterprise 11.3	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	SUSE Linux Enterprise 12	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	Ubuntu 14.04.1	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3
M142 Compute Cartridge	UCS Virtual Storage Controller	XenServer 6.5	Local Storage(RAID-0,1,5,6,10)	0.0.1.22	24.5.2.3



Note Local Boot is supported.

Related Documentation

Hardware and Software Interoperability Matrix

http://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/interoperability/matrix/b_hcl_m-series_2-5-2.pdf

Cisco Unified Computing System-Technical References

<http://www.cisco.com/c/en/us/support/servers-unified-computing/unified-computing-system/products-technical-reference-list.html>

Software Download

<https://software.cisco.com/download/type.html?mdfid=286284472&flowid=73442>

NetApp FAS 3240

<http://www.netapp.com/in/products/storage-systems/fas3200/fas3200-tech-specs.aspx>

EMC VNX 5300

<http://www.emc.com/storage/vnx/vnx-series.htm>

