



UCS B-Series Server: Baremetal, Host-OS Hardware and Software Interoperability Matrix

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UCS B-Series Server: Baremetal, Host-OS Hardware and Software Interoperability Matrix

- [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 B-Series servers in Cisco Unified Computing System release 2.2(2c).

Acronyms

Acronym	Description
OS	Operating System
RHEL	Red Hat Enterprise Linux
SLES	SUSE Linux Enterprise Server
UCS	Unified Computing System
UCSM	Unified Computing System Manager
VIC	Virtual Interface Card



CHAPTER 2

Components Matrix

- [Component Matrix, page 3](#)
- [Supported Storage Arrays, page 4](#)

Component Matrix

Component Matrix

Component	Version / Model
Server	
Cisco UCS 5108 Chassis	2.2(2c)
Fabric Interconnect 6296	5.2(3)N2(2.22c)
Fabric Extender 2208XP	5.2(3)N2(2.22c)
UCS Manager	2.2(2c)
UCS Driver Bundle	ucs-bxxx-drivers.2.2.2
B200 M3 Blade Server	2.2(2c)
B22 M3 Blade Server	2.2(2c)
B260 M4 Blade Server	2.2(2c)
B460 M4 Blade Server	2.2(2c)
Adapter	
Cisco UCS VIC 1280	2.2(2c)
Switch	
Cisco MDS 9513	5.2(6b)

Supported Storage Arrays

Vendor	Model	Version
HDS	VSP / HUS	70-06-20-00/00 / 0977/A-H
EMC	VNX 5300	05.32.000.5.209
NetApp	FAS 3240	8.0.2



CHAPTER 3

Japanese Operating System Interoperability Matrix

- [Baremetal: Japanese Operating System Interoperability Matrix](#) , page 5
- [Host OS: Japanese Operating System Interoperability Matrix](#), page 6

Baremetal: Japanese Operating System Interoperability Matrix

UCS Blade Server	Operating System	Vendor
B460 M4/ B260 M4/ B200 M3/ B22 M3	Windows Server 2008 R2 SP1 x64	Microsoft
B460 M4/ B260 M4/ B200 M3/ B22 M3	Windows Server 2012 x64	Microsoft
B460 M4/ B260 M4/ B200 M3/ B22 M3	Windows Server 2012 R2 x64	Microsoft

UCS Blade Server	Operating System	Vendor
B460 M4/ B260 M4/ B200 M3/ B22 M3	RHEL 6.2 x64 bit	Redhat
B460 M4/ B260 M4/ B200 M3/ B22 M3	RHEL 6.5 x64 bit	Redhat
B460 M4/ B260 M4/ B200 M3/ B22 M3	RHEL 7.0 x64 bit	Redhat

UCS Blade Server	Operating System	Vendor
B460 M4/ B260 M4/ B200 M3/ B22 M3	SUSE Linux Enterprise Server 11.3	SUSE

Host OS: Japanese Operating System Interoperability Matrix

UCS Blade Server	Operating System	Vendor
	HOST OS	
B460 M4/ B260 M4/ B200 M3/ B22 M3	vSphere 5.1 U2	VMware
B460 M4/ B260 M4/ B200 M3/ B22 M3	vSphere 5.5	VMware
B460 M4/ B260 M4/ B200 M3/ B22 M3	vSphere 5.5 U1	VMware

UCS Blade Server	Operating System	Vendor
	HOST OS	
B460 M4/ B260 M4/ B200 M3/ B22 M3	Xen Server 6.2 x64	Citrix

UCS Blade Server	Operating System	Vendor
	HOST OS	
B460 M4/ B260 M4/ B200 M3/ B22 M3	Hyper-v 2008 R2 SP1 x64	Microsoft
B460 M4/ B260 M4/ B200 M3/ B22 M3	Hyper-v 2012 x64	Microsoft
B460 M4/ B260 M4/ B200 M3/ B22 M3	Hyper-v 2012 R2 x64	Microsoft



CHAPTER 4

Adapter Interoperability Matrix

- [Baremetal: Adapter Interoperability Matrix, page 7](#)
- [Host OS: Adapter Interoperability Matrix, page 8](#)

Baremetal: Adapter Interoperability Matrix

UCS Blade Server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Windows Server 2008 R2 SP1 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Windows Server 2012 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Windows Server 2012 R2 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)
B460 M4/ B260 M4	UCS VIC 1280	RHEL 6.2 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/	Refer Issue 1, on page 11	2.2(2c)

UCS Blade Server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
B200 M3/ B22 M3	UCS VIC 1280	RHEL 6.2 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/	2.1.1.66	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	RHEL 6.5 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.1.66	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	RHEL 7.0 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.1.66	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	SLES 11.3 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.1.66	2.2(2c)

Host OS: Adapter Interoperability Matrix

UCS Blade Server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	vSphere 5.1 U2	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.2.50	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	vSphere 5.5	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.2.50	2.2(2c)

UCS Blade Server	Adapter Model	Operating System	Storage Used	Adapter Driver	Adapter Firmware
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	vSphere 5.5 U1	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.2.50	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Xen Server 6.2	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.1.1.66	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Microsoft Hyper-V 2008 R2 SP1 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Microsoft Hyper-V 2012 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)
B460 M4/ B260 M4/ B200 M3/ B22 M3	UCS VIC 1280	Microsoft Hyper-V 2012 R2 x64	HDS VSP/HDS HUS/EMC VNX 5300/NetApp FAS 3240/Local Storage	2.4.0.15	2.2(2c)



Issues

- [Issues, page 11](#)
- [Related Documentation, page 11](#)

Issues

Issue 1

RHEL 6.2 is not listing the Local disk on UCS B260 M4 and UCS B460 M4. Whereas with respect to Boot from SAN RHEL 6.2 is working fine (UCS B200 M3, UCS B22 M3, B260 M4, B460 M4).

Issue 2

After Connecting the B460 M4 Master and Slave using UCS Scalability Connector Cisco UCS Manager displays the B460 M4 Blade HEALTH LED as Critical with Oper Qualifier Reason as DDR_A1_ECC:Sensor Threshold Crossed; DDR_A2_ECC:Sensor Threshold Crossed;

Issue 3

The Network Adapter in RHEL 7.0 is not working on UCS B460 M4 and displayed as Wired and Connecting, Whereas on the other Blade servers(B260 M4, B200 M3, B22 M3) it shows as Connected.



Note

VMware ESXi Installation with VIC 1280 on Cisco UCS M3 and M4 Servers requires Cisco Custom Images which can be downloaded from vmware.com

Related Documentation

UCS B-Series Server: Baremetal, Host-OS / Guest-OS Hardware and Software Interoperability Matrix

http://www.cisco.com/en/US/docs/unified_computing/ucs/overview/guide/UCS_roadmap.html

Software Download

<http://www.cisco.com/cisco/software/type.html?mdfid=283853163&flowid=25821>

Cisco Unified Computing System-Technical References

http://www.cisco.com/en/US/products/ps10477/prod_technical_reference_list.html

Hardware and Software Interoperability Matrix

http://www.cisco.com/c/dam/en/us/td/docs/unified_computing/ucs/interoperability/matrix/r_hcl_B_rel2-22.pdf