



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

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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.

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## 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 following C-Series servers in the Cisco Unified Computing System, and the corresponding software releases:

Server	Software Container
C220 M3	1.4.6d
C240 M3	1.4.6d
C260 M2	1.4.6c
C210 M2	1.4.3p

**Note**

Cisco is the vendor for all the Rack Mount servers.

Guest OS connectivity to external network through Host OS is tested and result is observed.

Boot from Local HDD is tested.

**Baremetal: Japanese Operating System Interoperability Matrix**

UCS Server	Vendor	Operating System
C210 M2 / C220 M3 / C240 M3 and C260 M2	Microsoft	Windows Server 2012 x64

**Host OS—Guest OS: Japanese Operating System Interoperability Matrix**

UCS Server	Vendor		Operating System	
	Host OS	Guest OS	Host OS	Guest OS
C210 M2 / C220 M3 / C240 M3 and C260 M2	VMware	Microsoft	vSphere 5.0i U1	Windows 8 x64
C210 M2 / C220 M3 / C240 M3 and C260 M2	VMware	Microsoft	vSphere 5.0i U1	Windows 8 Enterprise x64
C210 M2 / C220 M3 / C240 M3 and C260 M2	Red Hat	Microsoft	Enterprise Linux 6.3 x64	Windows 8 x64
C210 M2 / C220 M3 / C240 M3 and C260 M2	Red Hat	Microsoft	Enterprise Linux 6.3 x64	Windows 8 Enterprise x64
C210 M2 / C220 M3 / C240 M3 and C260 M2	Microsoft	Microsoft	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64

UCS Server	Vendor		Operating System	
	Host OS	Guest OS	Host OS	Guest OS
C210 M2 / C220 M3 / C240 M3 and C260 M2	Microsoft	Microsoft	Hyper-V Server 2008 R2 SP1 x64	Windows 8 Enterprise x64

**Baremetal: LAN on Motherboard Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware
C210 M2	Intel	82576 Gigabit Ethernet Onboard Controller	Windows Server 2012 x64	12.1.77.0	1.4-3
C220 M3 / C240 M3	Intel	Ethernet Server Adapter I350-T4	Windows Server 2012 x64	12.1.76.0	1.5-9
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Windows Server 2012 x64	7.0.5.43	6.0.0

**Host OS—Guest OS: LAN on Motherboard Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2	Intel	82576 Gigabit Ethernet Onboard Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.1.11.1	1.4-3
C210 M2	Intel	82576 Gigabit Ethernet Onboard Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	3.2.10-k	1.4-3
C210 M2	Intel	82576 Gigabit Ethernet Onboard Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	11.14.48.0	1.4-3

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C220 M3 / C240 M3	Intel	Ethernet Server Adapter I350-T4	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	3.2.10	1.5-9
C220 M3 / C240 M3	Intel	Ethernet Server Adapter I350-T4	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	3.2.10-k	1.5-9
C220 M3 / C240 M3	Intel	Ethernet Server Adapter I350-T4	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	11.14.48.0	1.5-9
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.2.11.v50.1	6.0.0
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.2.1	6.0.0
C260 M2	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	6.4.13.0	6.0.0

**Host OS—Guest OS: Converged Network Adapter Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.1.2.22	2.0(2i)

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.1.35	2.0(2i)
C210 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.0.9	2.0(2i)
C220 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.1.2.22	2.1(0.367e)
C220 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.1.38	2.1(0.367e)
C220 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.0.17	2.1(0.367e)
C240 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	1.5.0.8	2.1(0.367e)
C240 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.1.38	2.1(0.367e)
C240 M3	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.0.9	2.1(0.367e)
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.1.2.22	2.1(0.367e)
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.1.38	2.1(0.367e)

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C260 M2	Cisco	P81E Dual Port 10-Gbps Ethernet to PCIe Virtual Interface Card	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.1.0.17	2.1(0.367e)

**Baremetal: Network Interface Card Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware
C210 M2 / C260 M2 / C220 M3 and C240 M3	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Windows Server 2012 x64	3.1.65.0	0.9-3
C210 M2 / C220 M3 and C240 M3	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Windows Server 2012 x64	7.0.5.43	6.0.0

**Host OS—Guest OS: Network Interface Card Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2 / C260 M2 / C220 M3 and C240 M3	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	3.9.13-NAPI	0.9-3
C210 M2 / C260 M2 / C220 M3 and C240 M3	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	3.6.7-k	0.9-3
C210 M2 / C260 M2 / C220 M3 and C240 M3	Intel	X520 Dual Port 10 Gigabit Ethernet PCIe Adapter	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.9.71.0	0.9-3

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2 / C220 M3 and C240 M3	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	2.2.11.v50.1	6.0.0
C210 M2 / C220 M3 and C240 M3	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	2.2.1	6.0.0
C210 M2 / C220 M3 and C240 M3	Broadcom	NetXtreme II 5709 Quad Port Gigabit Ethernet Onboard Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	6.4.13.0	6.0.0

**Baremetal: RAID Controller on Motherboard Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System	Adapter Driver	Adapter Firmware
C210 M2 / C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Windows Server 2012 x64	5.2.122.0	2.120.233-1471
C220 M3	LSI	Cisco UCSC RAID SAS 2008M-8i	Windows Server 2012 x64	5.2.122.0	2.120..274-1543
C240 M3	LSI	MegaRAID 9266-8i PCIe RAID Controller	Windows Server 2012 x64	5.2.122.0	3.151.05-1458

**Host OS—Guest OS: RAID Controller on Motherboard Interoperability Matrix**

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.34	2.120233-1471

UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C210 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.40-rh2	2.120.233-1471
C210 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	5.2.103.0	2.120.233-1471
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.34	2.120.233-1471
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	00.00.06.14-rh1	2.120.233-1471
C260 M2	LSI	MegaRAID 9261-8i PCIe RAID Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	5.2.103.0	2.120.233-1471
C220 M3	LSI	Cisco UCSC RAID SAS 2008M-8i	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.34-1vmw	2.120.274-1543
C220 M3	LSI	Cisco UCSC RAID SAS 2008M-8i	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.40-rc1	2.120.274-1543
C220 M3	LSI	Cisco UCSC RAID SAS 2008M-8i	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	5.2.103.0	2.120.274-1543



UCS Server	Vendor	Adapter Model	Operating System		Adapter Driver	Adapter Firmware
			Host OS	Guest OS		
C240 M3	LSI	MegaRAID 9266-8i PCIe RAID Controller	vSphere 5.0i U1	Windows 8 x64 / Windows 8 Enterprise x64	00.00.05.34-1vmw	3.151.05-1458
C240 M3	LSI	MegaRAID 9266-8i PCIe RAID Controller	Red Hat Enterprise Linux 6.3 x64	Windows 8 x64 / Windows 8 Enterprise x64	00.00.06.14-rh1	3.151.05-1458
C240 M3	LSI	MegaRAID 9266-8i PCIe RAID Controller	Hyper-V Server 2008 R2 SP1 x64	Windows 8 x64 / Windows 8 Enterprise x64	5.2.103.0	3.151.05-1458

### Related Documentation

#### Cisco UCS C-Series Servers Documentation Roadmap

<http://www.cisco.com/go/unifiedcomputing/c-series-doc>

### Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

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