

Compatibility

- Cross-Version Firmware Support, on page 1
- Cisco UCS NVMeoF Support Matrix for Third-Party Storage Vendors, on page 4
- Compatibility and Support Matrix for Cisco Fabric Interconnects and MDS Switches, on page 7
- Compatibility and Support Matrix for Cisco Fabric Interconnects and Nexus Switches, on page 8
- Compatibility and Support Matrix for Cisco Fabric Interconnects and Brocade Switches, on page 8
- Support Matrix for Cisco Fabric Interconnects Appliance Ports, on page 9
- Deprecated Hardware, on page 9

Cross-Version Firmware Support

Note The three-part version number format, such as 4.3(6) or 6.0(1), represents a general version series. For example, 4.3(6) indicates all firmware versions that start with 4.3(6), encompassing detailed subversions such as 4.3(6.260058) and 4.3(6.260054). Similarly, 6.0(1) indicates all firmware versions that start with 6.0(1), encompassing detailed subversions such as 6.0(1.260003) and 6.0(1.250127). For detailed information about specific firmware versions and their equivalencies across Cisco Intersight, Cisco Integrated Management Controller (Cisco IMC), and Cisco UCS Manager, see the Cisco UCS Equivalency Matrix.

X-Series Server Firmware Version	Infrastructure Firmware Version										
	4.1(3)	**4.2(1)**	**4.2(2)**	**4.2(3)**	**4.3(2)**	**4.3(3)**	**4.3(4)**	**4.3(5)**	**4.3(6)**	**6.0(1)**	**6.0(2)**
6.0(2)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6.0(1)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.4(0)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.3(0)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.2(2)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.2(1)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

5.2(0)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.1(1)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.1(0)	N/A	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.0(4)	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.0(2)	N/A	Yes	Yes	Yes	No	No	No	No	No	No	No
5.0(1)	N/A	Yes	Yes	Yes	No	No	No	No	No	No	No

C-Series Server Firmware Version	**Infrastructure Firmware Version**										
	4.1(3)	**4.2(1)**	**4.2(2)**	**4.2(3)**	**4.3(2)**	**4.3(3)**	**4.3(4)**	**4.3(5)**	**4.3(6)**	**6.0(1)**	**6.0(2)**
6.0(2)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6.0(1)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(6)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(5)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(4)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.2(3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.2(2)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
4.2(1)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
4.1(3)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No

B-Series Server Firmware Version	**Infrastructure Firmware Version**										
	4.1(3)	**4.2(1)**	**4.2(2)**	**4.2(3)**	**4.3(2)**	**4.3(3)**	**4.3(4)**	**4.3(5)**	**4.3(6)**	**6.0(1)**	**6.0(2)**
6.0(2)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6.0(1)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.4(0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.3(0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.2(2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

5.2(1)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.2(0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5.1(0)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.3(2)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.2(3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4.2(2)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
4.2(1)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
4.1(3)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No

Cisco UCS NVMeoF Support Matrix for Third-Party Storage Vendors

Storage Vendor	Feature	Storage Array	Cisco UCS FI	Cisco UCS VIC	Operating System
NetApp Inc.®	NVMe-FC	ONTAP 9.16 onwards	Cisco UCS 6664 FI, Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		ONTAP 9.15 onwards	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		ONTAP 9.15 onwards	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
	NVMe-TCP	ONTAP 9.16 onwards	Cisco UCS 6664 FI, Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		ONTAP 9.15 onwards	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000/15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		ONTAP 9.15 onwards	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+

Note
Refer https://hwu.netapp.com/ for latest Storage Array support details.

A valid NetApp® account is required to access the compatibility information.

Storage Vendor	Feature	Storage Array	Cisco UCS FI	Cisco UCS VIC	Operating System
Pure Storage, Inc.®	NVMe-FC	FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6652 FI Cisco UCS 6664 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
	NVMe-ROCEv2	FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6664 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+
	NVMe-TCP	FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6664 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+

Storage Vendor	Feature	Storage Array	Cisco UCS FI	Cisco UCS VIC	Operating System
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		FlashArray//C, FlashArray//X, FlashArray//XL	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
Dell Inc.®	NVMe-FC	PowerStore, PowerMax	Cisco UCS 6664 FI, Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		PowerStore, PowerMax	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		PowerStore, PowerMax	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
	NVMe-TCP	PowerStore, PowerMax	Cisco UCS 6664 FI, Cisco UCS 6652 FI	15000, 14000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		PowerStore, PowerMax	Cisco UCS 6400 series, Cisco UCS 6536 FI	1400/14000, 15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+
		PowerStore, PowerMax	Cisco UCS X-Direct	15000	ESXi 8.0 U3+, ESXi 9.0+, RHEL 9.6+, RHEL 10+, SLES 15SP5+

Storage Vendor	Feature	Storage Array	Cisco UCS FI	Cisco UCS VIC	Operating System
Hitachi, Ltd. ®	NVMe-TCP	Hitachi VSP One Block 85	UCSX S9108 (EHM)	15000	ESXI 9.0+
	NVMe-TCP	Hitachi VSP One Block 24			
	NVMe-TCP	Hitachi VSP One Block 26			
	NVMe-TCP	Hitachi VSP One Block 28			

Note + under **OS Support** column refers to the newer release in that release train.

Compatibility and Support Matrix for Cisco Fabric Interconnects and MDS Switches

Fabric Interconnect and MDS Support Matrix

Fabric Interconnect	Older Supported Release of MDS	Recommended release of MDS
UCS-FI-6652	9.2	9.4
UCS-FI-6664	9.2	9.4
UCS-FI-6536	9.2	9.4
UCS-FI-6454	9.2	9.4
UCS-FI-64108	9.2	9.4
UCSX-S9108-100G	—	9.4

Note For older supported release only MDS recommended minor version are supported. For more information, see Recommended Releases for Cisco MDS 9000 Series Switches.

Compatibility and Support Matrix for Cisco Fabric Interconnects and Nexus Switches

Fabric Interconnect and Nexus Switch Support Matrix

Fabric Interconnect	Older Supported Release of NX-OS	Recommended release of NX-OS
UCS-FI-6652	—	10.5(x)
UCS-FI-6664	—	10.5(x)
UCS-FI-6536	—	10.5(x)
UCS-FI-6454	—	10.5(x)
UCS-FI-64108	—	10.5(x)
UCSX-S9108-100G	—	10.5(x)

Compatibility and Support Matrix for Cisco Fabric Interconnects and Brocade Switches

Fabric Interconnect and Brocade Switch Support Matrix

Cisco UCS Fabric Interconnect	Older Supported Release of Brocade	Recommended release of Brocade
UCS-FI-6652	—	9.2
UCS-FI-6664	—	9.2
UCS-FI-6536	—	9.2
UCS-FI-6454	—	9.2
UCS-FI-64108	—	9.2
UCSX-S9108-100G	—	9.2

Support Matrix for Cisco Fabric Interconnects Appliance Ports

Fabric Interconnect Appliance Port Support Matrix

Protocol	Partner	Partner Support	Cisco Support
NVMe-TCP	NetApp (ONTAP)	Supported	Supported
	DELL EMC	Supported	Supported
	Pure	Supported	Supported
RoCE v2	NetApp (ONTAP)	Not Supported	Not Supported
	DELL EMC	Not Supported	Not Supported
	Pure	Not Supported	Not Supported
iSCSI	NetApp (ONTAP)	Supported	Supported
	DELL EMC	Supported	Supported
	Pure	Supported	Supported

Deprecated Hardware

Release 6.0(1)

Beginning with Intersight Infrastructure Firmware Release 6.0(1), the following hardware is no longer supported:

- IOM Models:
  - UCS-IOM-2208XP
  - UCS-IOM-2204XP
  - UCS-IOM-2304
  - UCS-IOM-2304V2
- FEX Models:
  - N2K-C2232PP-10GE