



Cisco UCS and HyperFlex Systems with Support for VMware ESXi Quick Boot

First Published: 2020-02-24

Last Modified: 2020-06-16

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CHAPTER 1

VMware ESXi Quick Boot Support

Certain Cisco UCS and Hyperflex systems and accessories support VMware ESXi Quick Boot.

VMware ESXi Quick Boot is a vSphere feature that speeds up the upgrade process of an ESXi server. A regular reboot involves a full power cycle that requires firmware and device initialization. Quick Boot optimizes the reboot path to save considerable time from the upgrade process.

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Supported Cisco UCS and Hyperflex Systems

The next tables list Cisco UCS and HyperFlex systems that support VMware ESXi Quick Boot. Each table lists the supported server models and the minimum software versions for the UCS Manager and Cisco IMC.

Table 1: Cisco B-Series Servers

Server Model	Min. UCS Manager Version	Min. Cisco IMC Software Version	Min. BIOS Version
Cisco UCS B200 M5	4.0(4)	N/A	B200M5.4.0.4i.0.0831191120
Cisco UCS B480 M5	4.0(4)	N/A	B480M5.4.0.4i.0.0831191124
Cisco UCS B200 M4	4.0(4)	N/A	B200M4.4.1.1b.0.1112191544
Cisco UCS B420 M4	4.0(4)	N/A	B420M4.4.0.2c.0.0626190804
Cisco UCS B460 M4 with E7 v4 CPU	4.0(4)	N/A	EXM4.4.1.1b.0.1112191534
Cisco UCS B460 M4 with E7 v3 CPU	4.0(4)	N/A	EXM4.4.1.1b.0.1112191534
Cisco UCS B460 M4 with E7 v2 CPU	4.0(4)	N/A	EXM4.2.2.7e.0.111220191556
Cisco UCS B260 M4 with E7 v4 CPU	4.0(4)	N/A	EXM4.4.1.1b.0.1112191534
Cisco UCS B260 M4 with E7 v3 CPU	4.0(4)	N/A	EXM4.4.1.1b.0.1112191534

Server Model	Min. UCS Manager Version	Min. Cisco IMC Software Version	Min. BIOS Version
Cisco UCS B260 M4 with E7 v2 CPU	4.0(4)	N/A	EXM4.2.2.7e.0.111220191556

Table 2: C-Series Servers

Server Model	Min. UCS Manager Version	Min. Cisco IMC Software Version	Min. BIOS Version
Cisco UCS C125 M5	4.0(4)	4.0(4)	C125.4.0.2d.0.0627191504
Cisco UCS C220 M5	4.0(4)	4.0(4)	C220M5.4.0.4i.0.0831191119
Cisco UCS C240 M5	4.0(4)	4.0(4)	C240M5.4.0.4j.0.0831191216
Cisco UCS C480 M5	4.0(4)	4.0(4)	C480M5.4.0.4i.0.0831191123
Cisco UCS S3260 M5	4.0(4)	4.0(4)	S3X60M5.4.0.4j.0.0831191120
Cisco UCS C220M4 E5 V4 CPU	4.0(4)	4.0(2)	C220M4.4.0.2d.0.0627191019
Cisco UCS C240M4 E5 V4 CPU	4.0(4)	4.0(2)	C240M4.4.0.2d.0.0627191030
Cisco UCS C460M4 E7 V4 CPU	4.0(4)	4.0(2)	C460M4.4.0.2e.0.0910191345
Cisco UCS C460M4 E7 V3 CPU	4.0(4)	4.0(2)	C460M4.4.0.2e.0.0910191345
CISCO UCS C460 M4 E7 V2 CPU	4.0(4)	4.0(2)	C460M4.4.0.2e.0.0910191345
Cisco UCS C220M4 E5 V3 CPU	4.0(4)	4.0(2)	C220M4.4.0.2d.0.0627191019
Cisco UCS C240M4 E5 V3 CPU	4.0(4)	4.0(2)	C240M4.4.0.2d.0.0627191030
Cisco UCS S3260M4 E5 V4 CPU	4.0(4)	4.0(2)	C3X60M4.4.0.2d.0.0627191041

Table 3: HX Servers

Server Model	Min. UCS Manager Version	Min. Cisco IMC Software Version	Min. BIOS Version
Cisco HX220C-M55X	4.0(4)	4.0(4)	C220M5.4.0.4i.0.0831191119
Cisco HX240C-M5L	4.0(4)	4.0(4)	C240M5.4.0.4j.0.0831191216
Cisco HX240C-M5SX	4.0(4)	4.0(4)	C240M5.4.0.4j.0.0831191216
Cisco HXAF220C-M5SX	4.0(4)	4.0(4)	C220M5.4.0.4i.0.0831191119
Cisco HXAF220C-M5SN	4.0(4)	4.0(4)	C220M5.4.0.4i.0.0831191119
Cisco HXAF240C-M5SX	4.0(4)	4.0(4)	C240M5.4.0.4j.0.0831191216

Server Model	Min. UCS Manager Version	Min. Cisco IMC Software Version	Min. BIOS Version
Cisco HX240C-M4SX	4.0(4)	4.0(2)	C240M4.4.0.2d.0.0627191030
Cisco HXAF220-M4	4.0(4)	4.0(2)	C220M4.4.0.2d.0.0627191019
CiscoHXAF240C-M4SX	4.0(4)	4.0(2)	C240M4.4.0.2d.0.0627191030
Cisco HX220C-M4S	4.0(4)	4.0(2)	C220M4.4.0.2d.0.0627191019

Accessory Support

The next table lists Cisco UCS and HyperFlex accessories that support VMware ESXi Quick Boot. The table lists the adapter models and applicable minimum driver versions.

Model	Min. Driver Version and Name
Cisco 12G Modular RAID Controller	7.712.50.00-1vmw (inbox) lsi_mr3
Cisco 12G 9460-8i RAID Controller	7.712.50.00-1vmw (inbox) lsi_mr3
Cisco UCS C3000 RAID Controller	7.712.50.00-1vmw (inbox) lsi_mr3
Cisco UCS 1385 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1387 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1455 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1457 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1495 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1497 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1340 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1380 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco UCS 1440 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic

Model	Min. Driver Version and Name
Cisco UCS 1480 Virtual Interface Card	4.0.0.44-1vmw (inbox) nfnic, 1.0.29.0-1vmw (inbox) nenic
Cisco 12G SAS Modular RAID Controller	17.00.10.00-1vmw (inbox) lsi-msgpt3
UCS S3260 Dual Pass Through Controller	17.00.10.00-1vmw (inbox) lsi-msgpt3

External Storage Protocol Support

The next table lists the controller type, model name, external storage protocols, and minimum driver version and name that support VMware ESXi Quick Boot. Cisco is the manufacturer of all the models in the table.

Controller Type	Model	Storage Protocol	Min. Driver Version and Name
RAID	Cisco FlexStorage 12G SAS RAID Controller	SCSI	7.712.50.00-1vmw (inbox) lsi_mr3
RAID	Broadcom SAS3008 12G SAS RAID Controller	SCSI	7.712.50.00-1vmw (inbox) lsi_mr3
RAID	Cisco 12G Modular RAID Controller	SCSI	7.712.50.00-1vmw (inbox) lsi_mr3
RAID	Cisco 12G 9460-8i RAID Controller	SCSI	7.712.50.00-1vmw (inbox) lsi_mr3
RAID	Cisco UCS C3000 RAID Controller	SCSI	7.712.50.00-1vmw (inbox) lsi_mr3
FCoE	Cisco UCS 1440 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1480 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1340 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1380 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1385 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1387 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1455 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1457 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1495 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
FCoE	Cisco UCS 1497 Virtual Interface Card	FC	4.0.0.44-1vmw (inbox) nfnic
Ethernet	Cisco UCS 1440 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1480 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1340 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic

Controller Type	Model	Storage Protocol	Min. Driver Version and Name
Ethernet	Cisco UCS 1380 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1385 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1387 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1455 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1457 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1495 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
Ethernet	Cisco UCS 1497 Virtual Interface Card	iSCSI	1.0.29.0-1vmw (inbox) nenic
HBA	Cisco 12G SAS Modular RAID Controller	SCSI	17.00.10.00-1vmw (inbox) lsi-msgpt3
HBA	UCS S3260 Dual Pass Through Controller	SCSI	17.00.10.00-1vmw (inbox) lsi-msgpt3

