



Revision History

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Revision History

The following table provides an overview of the significant changes to this guide with the exception of the current release. The table does not provide an exhaustive list of all changes made to this guide or of all new features in this release. For details on the current release, see [What's New in this Guide](#).

Table 1: New and Changed Features in Cisco HyperFlex Software Requirements and Recommendations

Release	Description	Release or date added	Where Documented
5.0(2g)	Updated Recommended Release for all new and existing clusters to HX 5.0(2g).	April 16, 2024	FI/Server Firmware - 5.0(x) Releases
5.0(2g)	Added UCS 4.2(3j) to the list of qualified FI/Server Firmware for HX 5.0(x)	March 20, 2024	FI/Server Firmware - 5.0(x) Releases
5.0(2g)	Updated Software Requirements for 5.0(2g).	March 5, 2024	FI/Server Firmware - 5.0(x) Releases
EOL 4.5(2x)	Updates made to move the HXDP 4.5 requirements to the end-of-life section of this document.	December 31, 2023	Cisco HX Obsolete Releases - Software Requirements
5.0(2e)	Updated Recommended Release for all new and existing clusters to HX 5.0(2e).	September 27, 2023	FI/Server Firmware - 5.0(x) Releases
5.5(1a)	Updated Recommended Release for all new and existing clusters to HX 5.5(1a).	August 22, 2023	FI/Server Firmware - 5.5(x) Releases

Release	Description	Release or date added	Where Documented
5.0(2d)	Updated Recommended Release for all new and existing clusters to HX 5.0(2d). Added UCS 4.2(3g) to the list of qualified FI/Server Firmware for HX 5.0(x)	July 28, 2023	FI/Server Firmware - 5.0(x) Releases
5.0(2c)	Updated Recommended Release for all new and existing clusters to HX 5.0(2c).	April 4, 2023	FI/Server Firmware - 5.0(x) Releases
5.0(x)	Added UCS 4.2(3b) to list of qualified FI/Server Firmware for HX 5.0(x)	March 10, 2023	FI/Server Firmware - 5.0(x) Releases
EOL 4.0(x)	Updates made to move the HXDP 4.0 requirements to the end-of-life section of this document.	February 28, 2023	Cisco HX Obsolete Releases - Software Requirements
5.0(2b), 4.0(2x)	Updated Recommended Release for all new and existing clusters to HX 5.0(2b). Updated dates for Release Support Timeline for 4.0(2x).	January 31, 2023	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments • Release Support Timeline for Release 4.0(2x)
5.0(x), 4.5(x)	Added note to FI/Server Firmware tables for HX 5.0(x) and HX 4.5(x).	November 23, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases • FI/Server Firmware - 4.5(x) Releases
5.0(2x), 5.0(1x)	Updated Recommended Release for all new and existing clusters to HX 5.0(2a). Updated dates for Release Support Timeline for 5.0(2x) and 5.0(1x).	October 4, 2022	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V • Release Support Timeline for HXDP Release: 5.0(x)

Release	Description	Release or date added	Where Documented
5.0(x)	Removed UCS 4.1(3j) from list of qualified FI/Server Firmware for HX 5.0(x)	September 28, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases
4.5(2e)	Updated Recommended Release for all new and existing clusters to HX 4.5(2e).	September 21, 2022	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V
5.0(x), 4.5(x)	Added UCS 4.1(3h) and 4.1(3i) to list of qualified FI/Server Firmware for HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for HX 5.0(x) and 4.5(2x).	September 12, 2022	<ul style="list-style-type: none"> • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 4.5(x) Deployments
5.0(x), 4.5(x)	Added UCS 4.1(3h) and 4.1(3i) to list of qualified FI/Server Firmware for HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for HX 5.0(x) and 4.5(2x).	September 12, 2022	<ul style="list-style-type: none"> • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 4.5(x) Deployments
4.5(2e)	Updated Software Requirements for HX 4.5(2e).	September 6, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • Software Requirements for VMware ESXi 4.5(x) releases

Release	Description	Release or date added	Where Documented
5.0(2a)	Updated Software Requirements for HX 5.0(2a). Updated Recommended Release for HX M6 clusters and clusters looking to enable software encryption to HX 5.0(1c).	August 23, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases • Software Requirements for VMware ESXi - 5.0(x) Releases • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments • Cisco HX Data Platform Compatibility and Scalability Details - 5.0(x) Releases • Choosing HXDP and Hypervisor Versions - ESXi
5.0(x), 4.5(x)	Added Compute-Only information for DC-No-FI Storage Cluster specifications.	August 2, 2022	<ul style="list-style-type: none"> • Cisco HX Data Platform Compatibility and Scalability Details - 5.0(x) Releases • Cisco HX Data Platform Compatibility Details - 4.5(x) Releases
5.0(1c)	Updated Recommended Release for all new and existing clusters to HX 5.0(1c).	July 19, 2022	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V
4.5(2d)	Updated Software Requirements for HX 4.5(2d).	July 19, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • Software Requirements for VMware ESXi - 4.5(x) Releases
4.5(2c)	Updated Recommended Release for all new and existing clusters to HX 4.5(2c).	June 9, 2022	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V

Release	Description	Release or date added	Where Documented
5.0(1c)	Updated Software Requirements for HX 5.0(1c).	June 7, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases • Software Requirements for VMware ESXi - 5.0(x) Releases • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments
4.0(2f)	Added UCS 4.1(3f) to list of qualified versions for HX 4.0(2f).	April 28, 2022	FI/Server Firmware -4.0(x) Releases
4.5(2c)	Updated Software Requirements for HX 4.5(2c).	April 19, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • Software Requirements for VMware ESXi - 4.5(x) Releases
5.0(x), 4.5(2x)	Updated title of chapter describing HyperFlex Software Recommendations and Guidelines. Added topic describing how to choose UCS Server Firmware Versions. Updated topics describing how to choose HXDP and Hypervisor Versions for ESXi, Hyper-V. Updated Available Releases. Added topic describing Release Support Time line for UCS Server Firmware.	April 19, 2022	<ul style="list-style-type: none"> • Choosing UCS Server Firmware Versions • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V • Available Releases • Release Support Timeline for HXDP • Release Support Timeline for UCS Server Firmware
4.0(x)	Removed vSphere 6.0 as VMware has announced it as EOL as of 3/12/2022	March 14, 2022	Software Requirements for VMware ESXi 4.0(x) Releases
4.0(x)	Added UCS 4.1(3h) to list of qualified versions for HX 4.0(x).	March 2, 2022	FI/Server Firmware - 4.0(x) Releases

Release	Description	Release or date added	Where Documented
5.0(x), 4.5(2x)	Added UCS 4.1(3h) and 4.2(1l) to list of qualified versions for HX 5.0(x) and 4.5(2x).	February 24, 2022	<ul style="list-style-type: none"> • FI/Server Firmware - 5.0(x) Releases • FI/Server Firmware - 4.5(x) Releases
5.0(1a)	Updated Qualified Software Version for HX Edge M4 cluster to 4.1(2f).	February 7, 2022	HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments
4.5(2b)	Updated VMware ESXi and Hyper-V release version to HX 4.5(2b).	January 31, 2022	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V
4.5(2a), 4.5(1a)	Added note describing HX Compatibility Catalog.	January 27, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases
4.5(2b)	<p>Updated Software Requirements for HX 4.5(2b).</p> <p>Removed/updated HX 3.5(x) requirements and recommendations as the release is EOL.</p>	December 9, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • Software Requirements for VMware ESXi - 4.5(x) Releases • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 4.5(x) Deployments • Software Requirements for Microsoft HyperFlex Hyper-V - 4.5(x) Releases • HX Data Platform Version for HyperFlex Witness Node for Stretched Cluster - 4.5(x) Releases
5.0(1a), 4.5(2a)	<p>Updated qualified software version for HX Edge M5 cluster to 4.1(3d).</p> <p>Added UCS 4.2(1i) to list of qualified versions for HX 4.5(2a).</p>	November 17 2021	<ul style="list-style-type: none"> • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 5.0(x) Deployments • FI/Server Firmware - 4.5(x) Releases
5.0(1a)	Added content for HX 5.0(1a).	November 10, 2021	n/a

Release	Description	Release or date added	Where Documented
4.5(2a)	Added Important note regarding Field Notice affecting UCS 4.1(3b). Updated releases to UCS 4.1(3f).	November 5, 2021	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • FI/Server Firmware - 4.5(x) Releases
4.5(2a)	Updated VMware ESXi and Hyper-V release version to 4.5(2a).	September 22, 2021	<ul style="list-style-type: none"> • Software Requirements for VMware ESXi - 4.5(x) Releases • Software Requirements for Microsoft Hyper-V - 4.5(x)
3.5(2x), 4.0(2x), 4.5(1x), 4.5(2x)	Updated Last Date of Support for HX 3.5(2x), 4.0(2x), 4.5(1x) and 4.5(2x).	August 31, 2021	<ul style="list-style-type: none"> • Release Support Timeline for Release 4.0(2x) • Release Support Timeline for Release 4.5(2x)
4.5(2a), 4.0(2x)	Added UCS 4.1(3e) to list of qualified versions for HX 4.5(2a) and 4.0(2x).	August 30, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases
4.5(2a), 4.0(2x)	Added UCS 4.0(4m) and 4.1(3d) to list of qualified versions for HX 4.5(2a) and 4.0(2x).	August 9, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases
4.5(2a)	Updated VMware ESXi and Hyper-V release version to 4.5(2a) for specific cluster configurations.	August 4, 2021	<ul style="list-style-type: none"> • Software Requirements for VMware ESXi - 4.5(x) Releases • Software Requirements for Microsoft Hyper-V - 4.5(x)

Release	Description	Release or date added	Where Documented
4.5(2a)	Updated Software Requirements for HX 4.5(2a).	June 30, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • Software Requirements for VMware ESXi - 4.5(x) Releases • HyperFlex Edge/DC-No-FI and Firmware Compatibility Matrix for 4.5(x) Deployments • Software Requirements for Microsoft HyperFlex Hyper-V - 4.5(x) Releases • HX Data Platform Version for HyperFlex Witness Node for Stretched Cluster - 4.5(x) Releases
4.0(2f)	Updated VMware ESXi and Hyper-V release version to 4.0(2f).	June 24, 2021	<ul style="list-style-type: none"> • Choosing HXDP and Hypervisor Versions - ESXi • Choosing HXDP and Hypervisor Versions - Hyper-V
4.5(1a)	Updated Software Requirements for VMware ESXi - 4.5(1a) indicating support for vCenter Version 7.0 U2.	June 10, 2021	<ul style="list-style-type: none"> • Software Requirements for VMware ESXi - 4.5(x) Releases
4.0(2f)	Added content for HX 4.0(2f).	June 3, 2021	n/a
HX 4.5(1a), 4.0(2x), 3.5(2i), 3.5(2h)	<p>Added HXDP-P Licensed node scale increase to 64 for compute-only nodes.</p> <p>Added UCS 4.0(4l) to list of qualified versions for HX 4.5(1a), 4.0(2x), 3.5(2i) and 3.5(2h).</p>	May 7, 2021	<ul style="list-style-type: none"> • Cisco HX Data Platform Compatibility and Scalability Details - 4.5(x) Releases • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases • Recommended FI/Server Firmware - Obsolete Releases

Release	Description	Release or date added	Where Documented
HX 4.5(1a), 4.0(2x), 3.5(2i)	Added UCS 4.1(3c) to list of qualified versions for HX 4.5(1a), 4.0(x), and 3.5(2i).	April 29, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases • Recommended FI/Server Firmware - Obsolete Releases
HX 4.5(1a), 4.0(2x)	Updated Software Requirements for VMware ESXi - 4.5(x) and 4.0(x) releases indicating support for VMware ESXi and vCenter Versions 7.0 U1c through 7.0 U1d builds.	March 30, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases
HX 4.0(2e)	Added content for HX 4.0(2e). Updated HUU for UCS 4.1(2f) for all M5 Edge servers	March 17, 2021	n/a
HX 4.5(1a)	Added UCS 4.0(4k) to list of versions in FI/Server Firmware - 4.0(x) and 3.5(x) releases.	March 11, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.0(x) Releases
HX 4.5(1a)	Added UCS 4.1(2c) to list of qualified versions in FI/Server Firmware - 4.5(x), 4.0(x) and 3.5(x) releases.	February 19, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases
HX 4.5(1a)	Added 4.1(1e), 4.1(3b) to list of qualified versions in FI/Server Firmware - 4.5(x) release. Added UCS 4.1(3b) to list of qualified versions in FI/Server Firmware - 4.0(x) and 3.5(x) releases.	February 12, 2021	<ul style="list-style-type: none"> • FI/Server Firmware - 4.5(x) Releases • FI/Server Firmware -4.0(x) Releases • Recommended FI/Server Firmware - Obsolete Releases
HX 4.5(1a)	Added ESXi version 7.0 U1c (build 17325551) and higher to Software Requirements for VMware ESXi - 4.5(x) releases.	January 26, 2021	<ul style="list-style-type: none"> • Software Requirements for VMware ESXi - 4.5(x) Releases

Release	Description	Release or date added	Where Documented
HX 4.5(1a)	Added content for HX 4.5(1a).	January 6, 2021	n/a
HX 4.0(1x)	Removed HX 4.0(1x) from Cisco HX Release 4.0(x) - Software Requirements as the release is EOL.	September 29, 2020	n/a
Cisco HyperFlex Recommended Software Release and Requirements Guide	The guide was introduced.	September 28, 2020	n/a