



Third-Party Platforms ANY

Dell™ Hardware Compatibility List

Dell PowerEdge

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DELL™ POWEREDGE™ HARDWARE COMPATIBILITY

This document specifies the hardware, software, and firmware that the Nutanix platform requires to run on Dell™ PowerEdge™ servers.

Note: Dell and PowerEdge are trademarks of Dell Inc. All other brand and product names mentioned herein are for identification purposes only and may be the trademarks of their respective holder(s).

Important:

The Dell PowerEdge 13th Generation platforms have reached its End-of-Sale (EOS) milestone. For any questions, contact the Nutanix Product Management.

Table 1: Supported Hardware Models

Hardware	Supported Models
Dell™ PowerEdge™ Servers	<ul style="list-style-type: none">• Dell™ 14th Generation PowerEdge™ Servers<ul style="list-style-type: none">• R440 8SFF Hardware Compatibility on page 3• R640 10 SFF Hardware Compatibility on page 6• R640 4 LFF Hardware Compatibility on page 15• R740xd 12 LFF Hardware Compatibility on page 22• R740xd 24 SFF Hardware Compatibility on page 31• Dell™ 13th Generation PowerEdge™ Servers<ul style="list-style-type: none">• R630 10 SFF Hardware Compatibility on page 45• R730xd 12 LFF Hardware Compatibility on page 48• R730xd 24 SFF Hardware Compatibility on page 51• R730 16 SFF Hardware Compatibility on page 54

Dell™ 14th Generation PowerEdge™ Servers

R440 8SFF Hardware Compatibility



Qualification date: March 2020

Component	Description	SKU
Chassis	<p>2.5" Chassis with up to 8 Hot Plug Hard Drives</p> <p>Nodes per chassis: 1</p> <p>Use cases:</p> <ul style="list-style-type: none"> • Analytics and Big Data • Remote Office/Branch Office • End-User Computing/Virtual Desktop Infrastructure <p>Note: Only Legacy BIOS is supported.</p>	321-BCUV
Boot Drive	1 x BOSS controller card + with 2 M.2 Sticks 240G(RAID 1),LP	403-BBPZ
Power Supply	1 x Dual, Hot Plug, Redundant Power Supply (1+1), 550W	450-AGOY
Embedded Systems Management	iDRAC9 Basic	385-BBLD
iDRAC Password	iDRAC, Factory Generated Password	379-BCSF

Table 2: Storage

Component	Description	SKU
Storage: All-Flash	Only SAS SSDs	
	2, 4, 6, or 8 x 2.5" SAS SSDs	
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	Dell 1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug Drive PM883	400-BCVC
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI



Component	Description	SKU
	1.92TB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, Toshiba PM5	400-BCMJ
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
Storage Controller	1 x Storage Controller	
	HBA330 Controller Adapter, Low Profile	405-AANK
	HBA330 12Gbps SAS HBA Controller (NON-RAID), MiniCard	405-AAJW
RAID Option	No RAID	780-BCDI

Table 3: Cascade Lake and Cascade Lake Refresh: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Cascade Lake or Cascade Lake Refresh CPU (Silver, Gold, or Platinum, with 8 or more cores per CPU).	Various
Memory	Note: Order the memory configuration SKU 370-AAIP (Performance Optimized) along with the memory DIMMs.	
	DDR4-2666, 1.2V, 16 GB, RDIMM 16 x 16 GB = 256 GB	370-ADND
	DDR4-2666, 1.2V, 32 GB, RDIMM 16 x 32 GB = 512 GB	370-ADNF

Table 4: Networking

Component	Description	SKU
Pcie Network Interface	1 x Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	555-BCKN



R640 10 SFF Hardware Compatibility

Qualification date (321-BCQL): January 2018

Qualification date (321-BCQQ): October 2018

Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> Analytics and Big Data Remote Office/Branch Office End-User Computing/Virtual Desktop Infrastructure <div style="background-color: #f0f0f0; padding: 5px; margin-top: 10px;"> <p>Note:</p> <ul style="list-style-type: none"> Only Legacy BIOS is supported. For chassis with NVMe support, order the chassis SKU 321-BCQQ. </div>	
	PowerEdge R640 Server Nodes per chassis: 1	210-AKWU
	2.5 Chassis with up to 10 Hard Drives and 3PCIe slots Nodes per chassis: 1	321-BCQL
	2.5" Chassis with up to 10 Hard Drives, 8 NVMe Drives and 3PCIe Slots, 2CPU only Nodes per chassis: 1	321-BCQQ
Boot Drive	1 x M.2 SSD	
	BOSS controller card + with 2 M.2 Sticks 120G(RAID 1),LP	403-BBPM
	BOSS controller card + with 2 M.2 Sticks 240G(RAID 1),LP	403-BBPZ
	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),LP	403-BCHI
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),LP	403-BBUU
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),LP	403-BCHH
Power Supply	1 x Dual, Hot-plug power supply	
	750W Dual, Hot-plug, Redundant Power Supply (1 + 1)	450-ADWS
	Dual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM



Component	Description	SKU
Embedded Systems Management	iDRAC9 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBKT
iDRAC Password	iDRAC, Legacy Password	379-BCSG

Table 5: Storage

Component	Description	SKU
Storage: All-Flash	Only SATA/SAS SSDs	
	2, 4, 6, 8, or 10 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960 GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, S4600, 3 DWPD, 5256 TBW	400-ASYL (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)	
1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ	



Component	Description	SKU
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	Dell 1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug Drive PM883	400-BCVC
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI
	1.92TB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, Toshiba PM5	400-BCMJ
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
Storage: All-Flash	Only SATA/SAS and NVMe SSDs	
	6 or 8 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)



Component	Description	SKU
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)
	1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
	2 or 4 x 2.5" NVMe SSDs	
	Dell 800GB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725a with Carrier	400-AUMO (EOS)
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725a with Carrier	400-AUMP (EOS)
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, P4610 with Carrier	400-BELT
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725b with Carrier	400-BEFC
	Dell 3.2TB NVMe Mix Use Express Flash 2.5in SFF Drive U.2 P4610	400-BEDQ
	Dell 6.4TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, P4610 with Carrier	400-BELR



Component	Description	SKU
Storage: Hybrid	Mix of SATA/SAS SSDs and HDDs	
	2 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)
	1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	Dell 1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug Drive PM883	400-BCVC
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI
	1.92TB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, Toshiba PM5	400-BCMJ
1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN	



Component	Description	SKU
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
	4, 6, or 8 x 2.5" HDDs	
	1 TB 7.2K RPM Near-Line SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	400-ASHE
	1.2TB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	400-ASHI
	1.2TB 10K RPM Self-Encrypting SAS 12Gbps 512n 2.5in Hot-plug Hard Drive, FIPS140	400-ASHK
	1.8TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive	400-ARXC
	2 TB 7.2K RPM Near-Line SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	400-ASHP
	2.4TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive	400-AVEZ
	2.4TB 10K RPM Self-Encrypting SAS 12Gbps 512e 2.5in Hot-plug Hard Drive, FIPS140	400-AVHH
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON-RAID), Minicard	405-AAJU
RAID Option	No RAID	780-BCDI

Table 6: Skylake: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Skylake Silver, Gold, or Platinum CPU (8 or more cores per CPU).	Various
Memory	Note: Order the memory configuration SKU 370-AAIP (Performance Optimized) along with the memory DIMMs.	



Component	Description	SKU
	DDR4-2666, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-ADND
	DDR4-2666, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ADNF
	DDR4-2666, 1.2V, 64 GB, LRDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB Note: Select 2666MT/s LRDIMMs (SKU 370-ADNT) for memory DIMM type and speed option.	370-ADNH
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB Note: <ul style="list-style-type: none"> • Select 2666MT/s LRDIMMs (SKU 370-ADNT) for Memory DIMM Type and Speed option. • For memory capacity higher than 768 GB and up to 1.5 TB per socket, order the Intel Skylake Xeon CPUs with suffix M. 	370-ADMX

Table 7: Cascade Lake and Cascade Lake Refresh: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Cascade Lake or Cascade Lake Refresh CPU (Silver, Gold, or Platinum, with 8 or more cores per CPU).	Various
Memory	Note: Order the memory configuration SKU 370-AAIP (Performance Optimized) along with the memory DIMMs.	



Component	Description	SKU
	DDR4-3200, 1.2V, 8 GB, RDIMM 12 x 8 GB = 96 GB 16 x 8 GB = 128 GB 24 x 8 GB = 192 GB	370-AEVO
	DDR4-2933, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEQF
	DDR4-3200, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEVQ
	DDR4-2933, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEQH
	DDR4-3200, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEVN
	DDR4-2933, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEQD
	DDR4-3200, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEVP
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB	370-ADMX



Table 8: Networking

Component	Description	SKU
FlexibleLOM Adapter	1 x Flexible LAN on Motherboard (FLOM) adapter	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC	406-BBLG
	Intel X550 Quad Port 10GbE BASE-T, rNDC	540-BBUY
	Intel X550 Dual Port 10GbE BASE-T & i350 Dual Port 1GbE BASE-T, rNDC	540-BBUZ
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBCB
	Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC	540-BBUK
	Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC	540-BBUM
	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO
PCIe Network Interface	1 x PCIe Network Interface	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	406-BBLD
	Intel X550 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile	540-BBRL
	Intel XXV710 Dual Port 25GbE SFP28 PCIe Adapter, Low Profile, Customer Install	540-BCCN
	Intel Ethernet i350 Quad Port 1GbE BASE-T Adapter, PCIe Low Profile	540-BBCZ
	Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BBVK
	Intel Ethernet I350 Dual Port 1GbE BASE-T Adapter, PCIe Low Profile	540-BBDB
	Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile	540-BBVJ
	Intel XXV710 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BCCM
	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	540-BBVI
	Mellanox ConnectX-5 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BCMQ
	Broadcom 57412 Dual Port 10GbE SFP+ & 5720 Dual Port 1GbE BASE-T rNDC	540-BBUL



Component	Description	SKU
	Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	555-BCKN
Dual NIC Configuration	<p>Note:</p> <ul style="list-style-type: none"> • Dual 10G Base-T NICs, 1 x 540-BBUY + 1 x 540-BBRL • Dual 10G SFP+ NICs, 1 x 555-BCKO + 1 x 555-BCKN • Dual 25G NICs, 1 x 406-BBLG + 1 x 406-BBLD 	

R640 4 LFF Hardware Compatibility

Qualification date: March 2018

Component	Description	SKU
Chassis	Use cases: Remote Office/Branch Office	
	<p>Note:</p> <ul style="list-style-type: none"> • Only Legacy BIOS is supported. • 1-node and 2-node clusters supported with AOS 5.6 and above. 	
	PowerEdge R640 Server Nodes per chassis: 1	210-AKWU
	3.5 Chassis with up to 4 Hard Drives and 3PCIe slots Nodes per chassis: 1	321-BCQF
Boot Drive	1 x M.2 SSD	
	BOSS controller card + with 2 M.2 Sticks 120G(RAID 1),LP	403-BBPM
	BOSS controller card + with 2 M.2 Sticks 240G(RAID 1),LP	403-BBPZ
	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),LP	403-BCHI
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),LP	403-BBUU
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),LP	403-BCHH
Power Supply	2 x Hot-plug power supply	



Component	Description	SKU
	750W Dual, Hot-plug, Redundant Power Supply (1 + 1)	450-ADWS
	Dual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
Embedded Systems Management	iDRAC9 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBKT
iDRAC Password	iDRAC, Legacy Password	379-BCSG

Table 9: Storage

Component	Description	SKU
Storage: All-Flash	Only SATA/SAS SSDs	
	2 or 4 x 3.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYYB, 400-BDMN, 400-BDSW, 400-BDSY, and 400-BDSV are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, 3.5in HYB CARR, SM863a	400-ASES (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASEP (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSV (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQD (EOS)
	800GB SSD SAS MU 12Gbps 512e 2.5in HP Drive, 3.5in HYB CARR, PM1645, 3 DWPD, 4380 TBW	400-AZFZ (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASFP (EOS)
960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASFJ (EOS)	
960 GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, 3.5in HYB CARR, S4600, 3 DWPD, 5256 TBW	400-ASYM (EOS)	



Component	Description	SKU
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSW
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQF
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive, PM5-V,3 DWPD, 5256 TBW	400-BEQD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASGF (EOS)
	1.92 TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASGB (EOS)
	1.92TB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSY
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 10512 TBW	400-BCPF
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEPQ
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEQT
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1643, 1 DWPD, 7008 TBW	400-AYYB
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug,3.5in HYB CARR S4510 Drive, 1 DWPD,7008 TBW	400-BDMN
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-R HYB CARR Drive, 1 DWPD, 7008 TBW	400-BBQU
	7.68TB Solid State Drive RI SAS 12Gbps 512e 2.5in PM1643a w/ 3.5in HYB CARR 1 DWPD 14016 TBW	345-BBCH
Storage: Hybrid	Mix of SATA/SAS SSDs and HDDs	
	2 x 3.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYYB, 400-BDMN, 400-BDSW, 400-BDSY, and 400-BDSV are supported with Foundation 4.3.4 and higher versions.	



Component	Description	SKU
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, 3.5in HYB CARR, SM863a	400-ASES (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASEP (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSV (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQD (EOS)
	800GB SSD SAS MU 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1645, 3 DWPD, 4380 TBW	400-AZFZ (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASFP (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASFJ (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSW
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQF
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive, PM5-V,3 DWPD, 5256 TBW	400-BEQD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASGF (EOS)
	1.92 TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASGB (EOS)
	1.92TB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSY
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 10512 TBW	400-BCPF
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEPQ



Component	Description	SKU
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEQT
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1643, 1 DWPD, 7008 TBW	400-AYYB
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug,3.5in HYB CARR S4510 Drive, 1 DWPD,7008 TBW	400-BDMN
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-R HYB CARR Drive, 1 DWPD, 7008 TBW	400-BBQU
	7.68TB Solid State Drive RI SAS 12Gbps 512e 2.5in PM1643a w/ 3.5in HYB CARR 1 DWPD 14016 TBW	345-BBCH
	2 x 3.5" HDDs	
	1TB 7.2K RPM NLSAS 12Gbps 512n 2.5in Hot-plug Hard Drive, 3.5in HYB CARR	400-ASKF
	2TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-Plug Hard Drive	400-ASHS
	4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive	400-ASHY
	8TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-ASIB
	8TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive, FIPS140	400-ASID
	8 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-ASUG
	12TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-AWIP
	12TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive, FIPS140	400-AXLN
	12TB 7.2K SAS 12Gbps 512e 3.5in Hot-Plug Hard Drive	400-BEJR
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON-RAID), Minicard	405-AAJU
RAID Option	No RAID	780-BCDI



Table 10: Skylake: CPU and Memory

Component	Description	SKU
CPU	1 x Any Intel Skylake Silver, Gold, or Platinum CPU (8 or more cores per CPU).	Various
Memory	DDR4-2666, 1.2V, 16 GB, RDIMM 6 x 16 GB = 96 GB 12 x 16 GB = 192 GB	370-ADND
	DDR4-2666, 1.2V, 32 GB, RDIMM 6 x 32 GB = 192 GB 12 x 32 GB = 384 GB	370-ADNF
	DDR4-2666, 1.2V, 64 GB, LRDIMM 6 x 64 GB = 384 GB 12 x 64 GB = 768 GB Note: For 64 GB DIMMs, select 2666MT/s LRDIMMs (SKU 370-ADNT) for memory DIMM type and speed option.	370-ADNH
	DDR4-2667, 1.2V, 128 GB, LRDIMM 6 x 128 GB = 768 GB 12 x 128 GB = 1.5 TB Note: <ul style="list-style-type: none"> • Select 2666MT/s LRDIMMs (SKU 370-ADNT) for Memory DIMM Type and Speed option. • For memory capacity higher than 768 GB and up to 1.5 TB per socket, order the Intel Skylake Xeon CPUs with suffix M. 	370-ADMX

Table 11: Cascade Lake and Cascade Lake Refresh: CPU and Memory

Component	Description	SKU
CPU	1 x Any Intel Cascade Lake or Cascade Lake Refresh CPU (Silver, Gold, or Platinum, with 8 or more cores per CPU).	Various
Memory	DDR4-3200, 1.2V, 8 GB, RDIMM 6 x 8 GB = 48 GB 12 x 8 GB = 96 GB	370-AEVO



Component	Description	SKU
	DDR4-2933, 1.2V, 16 GB, RDIMM 6 x 16 GB = 96 GB 12 x 16 GB = 192 GB	370-AEQF
	DDR4-3200, 1.2V, 16 GB, RDIMM 6 x 16 GB = 96 GB 12 x 16 GB = 192 GB	370-AEVQ
	DDR4-2933, 1.2V, 32 GB, RDIMM 6 x 32 GB = 192 GB 12 x 32 GB = 384 GB	370-AEQH
	DDR4-3200, 1.2V, 32 GB, RDIMM 6 x 32 GB = 192 GB 12 x 32 GB = 384 GB	370-AEVN
	DDR4-2933, 1.2V, 64 GB, RDIMM 6 x 64 GB = 384 GB 12 x 64 GB = 768 GB	370-AEQD
	DDR4-3200, 1.2V, 64 GB, RDIMM 6 x 64 GB = 384 GB 12 x 64 GB = 768 GB	370-AEVP
	DDR4-2667, 1.2V, 128 GB, LRDIMM 6 x 128 GB = 768 GB 12 x 128 GB = 1.5 TB	370-ADMX

Table 12: Networking

Component	Description	SKU
FlexibleLOM Adapter	1 x Flexible LAN on Motherboard (FLOM) adapter	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC	406-BBLG
	Intel X550 Quad Port 10GbE BASE-T, rNDC	540-BBUY
	Intel X550 Dual Port 10GbE BASE-T & i350 Dual Port 1GbE BASE-T, rNDC	540-BBUZ
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBCB
	Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC	540-BBUK
	Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC	540-BBUM



Component	Description	SKU
	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO
PCIe Network Interface	1 x PCIe Network Interface	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	406-BBLD
	Intel X550 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile	540-BBRL
	Intel XXV710 Dual Port 25GbE SFP28 PCIe Adapter, Full Height, Customer Install	540-BCDG
	Intel Ethernet i350 Quad Port 1GbE BASE-T Adapter, PCIe Low Profile	540-BBCZ
	Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BBVK
	Intel Ethernet I350 Dual Port 1GbE BASE-T Adapter, PCIe Low Profile	540-BBDB
	Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile	540-BBVJ
	Intel XXV710 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BCCM
	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	540-BBVI
	Mellanox ConnectX-5 Dual Port 10/25GbE SFP28 Adapter, PCIe Low Profile	540-BCMQ
	Broadcom 57412 Dual Port 10GbE SFP+ & 5720 Dual Port 1GbE BASE-T rNDC	540-BBUL
	Intel X710 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	555-BCKN
Dual NIC Configuration	<p>Note:</p> <ul style="list-style-type: none"> • Dual 10G Base-T NICs, 1 x 540-BBUY + 1 x 540-BBRL • Dual 10G SFP+ NICs, 1 x 555-BCKO + 1 x 555-BCKN • Dual 25G NICs, 1 x 406-BBLG + 1 x 406-BBLD 	

R740xd 12 LFF Hardware Compatibility

Qualification date: January 2018



Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> • Analytics and Big Data • Backup and Disaster Recovery • Files and Objects • Private Cloud • Test and Development • End-User Computing/Virtual Desktop Infrastructure <div style="background-color: #f2f2f2; padding: 5px; margin-top: 10px;"> Note: Only Legacy BIOS is supported. </div>	
	PowerEdge R740xd Server Nodes per chassis: 1	210-AKZR
	Chassis with Up to 12 x 3.5 Hard Drives for 2CPU Configuration Nodes per chassis: 1	321-BCPU
Boot Drive	1 x M.2 SSD	
	BOSS controller card + with 2 M.2 Sticks 120G(RAID 1),FH	403-BBPJ
	BOSS controller card + with 2 M.2 Sticks 240G(RAID 1),FH	403-BBPT
	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),FH	403-BCHP
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),FH	403-BBSV
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),FH	403-BCHJ
Power Supply	2 x Hot-plug power supply	
	750W Dual, Hot-plug, Redundant Power Supply (1 + 1)	450-ADWS
	Dual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
	Dual, Hot-plug, Redundant Power Supply (1+1), 1600W, 250 Volt Power Cord Required for Use	450-AFMQ
Embedded Systems Management	iDRAC9 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBKT
iDRAC Password	iDRAC, Legacy Password	379-BCSG



Table 13: Storage

Component	Description	SKU
Storage: All-Flash	Only SATA/SAS SSDs	
	4, 6, 8, 10, or 12 x 3.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYYB, 400-BDMN, 400-BDSW, 400-BDSY, and 400-BDSV are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, 3.5in HYB CARR, SM863a	400-ASES (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASEP (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSV (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQD (EOS)
	800GB SSD SAS MU 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1645, 3 DWPD, 4380 TBW	400-AZFZ (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASFP (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASFJ (EOS)
	960 GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, 3.5in HYB CARR, S4600, 3 DWPD, 5256 TBW	400-ASYM (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSW
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQF
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive, PM5-V,3 DWPD, 5256 TBW	400-BEQD
1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASGF (EOS)	
1.92 TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASGB (EOS)	



Component	Description	SKU
	1.92TB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSY
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 10512 TBW	400-BCPF
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEPQ
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEQT
	3.84 TB SSD SAS RI 12Gbps 512e 2.5in Hot-plug Drive, 3.5in HYB CARR, PM1633a	400-ASGK (EOS)
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1643, 1 DWPD, 7008 TBW	400-AYYB
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug,3.5in HYB CARR S4510 Drive, 1 DWPD,7008 TBW	400-BDMN
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-R HYB CARR Drive, 1 DWPD, 7008 TBW	400-BBQU
	7.68TB Solid State Drive RI SAS 12Gbps 512e 2.5in PM1643a w/ 3.5in HYB CARR 1 DWPD 14016 TBW	345-BBCH
Storage: Hybrid	Mix of SATA/SAS SSDs and HDDs	
	2 or 4 x 3.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYYB, 400-BDMN, 400-BDSW, 400-BDSY, and 400-BDSV are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, 3.5in HYB CARR, SM863a	400-ASES (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASEP (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSV (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
480GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQD (EOS)	



Component	Description	SKU
	800GB SSD SAS MU 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1645, 3 DWPD, 4380 TBW	400-AZFZ (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASFP (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASFJ (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSW
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQF
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive, PM5-V,3 DWPD, 5256 TBW	400-BEQD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863a	400-ASGF (EOS)
	1.92 TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, 3.5in HYB CARR, PX05SV	400-ASGB (EOS)
	1.92TB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot plug, 3.5in HYB CARR S4610 Drive	400-BDSY
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM
	1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-V Drive, 3 DWPD, 10512 TBW	400-BCPF
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEPQ
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in with 3.5in HYB CARR Drive,PM5-V,3 DWPD 10512 TBW	400-BEQT
	3.84 TB SSD SAS RI 12Gbps 512e 2.5in Hot-plug Drive, 3.5in HYB CARR, PM1633a	400-ASGK (EOS)
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in HP Drive,3.5in HYB CARR, PM1643, 1 DWPD, 7008 TBW	400-AYYB
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug,3.5in HYB CARR S4510 Drive, 1 DWPD,7008 TBW	400-BDMN



Component	Description	SKU
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in with 3.5in HYB CARR PM5-R HYB CARR Drive, 1 DWPD, 7008 TBW	400-BBQU
	7.68TB Solid State Drive RI SAS 12Gbps 512e 2.5in PM1643a w/ 3.5in HYB CARR 1 DWPD 14016 TBW	345-BBCH
	4, 6, 8, or 10 x 3.5" HDDs	
	Note: The HDDs need to be twice or more the number of SSDs.	
	1TB 7.2K RPM NLSAS 12Gbps 512n 2.5in Hot-plug Hard Drive, 3.5in HYB CARR	400-ASKF
	2TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-Plug Hard Drive	400-ASHS
	2.4TB 10000rpm Sas-12gbps 512e 256mb Buffer 2.5inch (in 3.5inch Hybrid Carrier)	400-ANTE
	4TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive	400-ASHY
	4TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive, FIPS140	400-ASHZ
	8TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-ASIB
	8TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive, FIPS140	400-ASID
	8 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-ASUG
	12TB 7.2K RPM Self-Encrypting NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive, FIPS140	400-AXLN
	12TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-AWIP
	12TB 7.2K SAS 12Gbps 512e 3.5in Hot-Plug Hard Drive	400-BEJR
Storage Controller	1 x Storage Controller	
	HBA330 Controller Adapter, Low Profile	405-AANK
	HBA330 12Gbps SAS HBA Controller (NON-RAID), MiniCard	405-AAJW
RAID Option	No RAID	780-BCDI



Table 14: Skylake: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Skylake Silver, Gold, or Platinum CPU (8 or more cores per CPU).	Various
Memory	DDR4-2666, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-ADND
	DDR4-2666, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ADNF
	DDR4-2666, 1.2V, 64 GB, LRDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB Note: Select 2666MT/s LRDIMMs (SKU 370-ADNT) for Memory DIMM Type and Speed option.	370-ADNH
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB Note: <ul style="list-style-type: none"> • Select 2666MT/s LRDIMMs (SKU 370-ADNT) for Memory DIMM Type and Speed option. • For memory capacity higher than 768 GB and up to 1.5 TB per socket, order the Intel Skylake Xeon CPUs with suffix M. 	370-ADMX

Table 15: Cascade Lake and Cascade Lake Refresh: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Cascade Lake or Cascade Lake Refresh CPU (Silver, Gold, or Platinum, with 8 or more cores per CPU).	Various



Component	Description	SKU
Memory	DDR4-3200, 1.2V, 8 GB, RDIMM 12 x 8 GB = 96 GB 16 x 8 GB = 128 GB 24 x 8 GB = 192 GB	370-AEVO
	DDR4-2933, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEQF
	DDR4-3200, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEVQ
	DDR4-2933, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEQH
	DDR4-3200, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEVN
	DDR4-2933, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEQD
	DDR4-3200, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEVP
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB	370-ADMX



Table 16: Networking

Component	Description	SKU
FlexibleLOM Adapter	1 x Flexible LAN on Motherboard (FLOM) adapter	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC	406-BBLG
	Intel X550 Quad Port 10GbE BASE-T, rNDC	540-BBUY
	Intel X550 Dual Port 10GbE BASE-T & i350 Dual Port 1GbE BASE-T, rNDC	540-BBUZ
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBDD
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC	540-BBUK
	Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC	540-BBUM
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBCB
	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO
PCIe Network Interface	1 x PCIe Network Interface	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	406-BBLE
	Intel X550 Dual Port 10GbE BASE-T Adapter, PCIe Full Height	540-BBRO
	Intel X710 Dual Port 10GbE Direct Attach SFP+ Adapter, PCIe Full Height	540-BBHP
	Intel XXV710 Dual Port 25GbE SFP28 PCIe Adapter, Full Height, Customer Install	540-BCDG
	Intel Ethernet I350 Dual Port 1GbE BASE-T Adapter, PCIe Full Height	540-BBDH
	Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Full Height	540-BBUI
	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBUH
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT
	Intel XXV710 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BCDH



Component	Description	SKU
	Mellanox ConnectX-5 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BCNM
	Mellanox ConnectX-5 EX Dual Port 40/100GbE QSFP28 Adapter, PCIe Full Height	540-BCIU
	Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BBUJ
Dual NIC Configuration	<p>Note:</p> <ul style="list-style-type: none"> • Dual 10G Base-T NICs, 1 x 540-BBUY + 1 x 540-BBRO • Dual 10G SFP+ NICs, 1 x 555-BCKO + 1 x 540-BBHP • Dual 25G NICs, 1 x 406-BBLG + 1 x 406-BBLE 	

R740xd 24 SFF Hardware Compatibility

Qualification date (321-BCPY): January 2018

Qualification date (321-BDHZ): January 2018

Qualification date (321-BCRC): October 2018

Component	Description	SKU
Chassis	<p>Use cases:</p> <ul style="list-style-type: none"> • Analytics and Big Data • Database and Business Critical Apps • Private Cloud • Test and Development • End-User Computing/Virtual Desktop Infrastructure <p>Note:</p> <ul style="list-style-type: none"> • Only Legacy BIOS is supported. • For chassis with GPU support, order the chassis SKU 321-BDHZ. • For GPU support, order the power supply SKU 450-AGFO. • For chassis with NVMe support, order the chassis SKU 321-BCRC. 	
	PowerEdge R740xd Server Nodes per chassis: 1	210-AKZR



Component	Description	SKU
	Chassis with Up to 24 x 2.5" Hard Drives for 2CPU Nodes per chassis: 1	321-BCPY
	Chassis with Up to 24 x 2.5 Hard Drives for 2CPU, GPU Capable Configuration Nodes per chassis: 1	321-BDHZ
	Chassis up to 24 x 2.5 Hard Drives including 12 NVME Drives, 2CPU Configuration Nodes per chassis: 1	321-BCRC
Boot Drive	1 x M.2 SSD	
	BOSS controller card + with 2 M.2 Sticks 120G(RAID 1),FH	403-BBPJ
	BOSS controller card + with 2 M.2 Sticks 240G(RAID 1),FH	403-BBPT
	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),FH	403-BCHP
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),FH	403-BBSV
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1),FH	403-BCHJ
Power Supply	2 x Hot-plug power supply	
	750W Dual, Hot-plug, Redundant Power Supply (1 + 1)	450-ADWS
	Dual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
	Dual,Hot-plug Power Supply , 2400W,250 Volt Power Cord Required for Use	450-AGFO
	Dual, Hot-plug, Redundant Power Supply (1+1), 1600W, 250 Volt Power Cord Required for Use	450-AFMQ
Embedded Systems Management	iDRAC9 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBKT
iDRAC Password	iDRAC, Legacy Password	379-BCSG



Table 17: Storage

Component	Description	SKU
Storage: All-Flash	Only SATA/SAS SSDs	
	8, 10, 12, 14, 16, 18, 20, 22, or 24 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960 GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, S4600, 3 DWPD, 5256 TBW	400-ASYL (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQN
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)
	1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ
1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU	
Dell 1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug Drive PM883	400-BCVC	
1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM	



Component	Description	SKU
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI
	1.92TB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, Toshiba PM5	400-BCMJ
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
Storage: All-Flash	Only SATA/SAS and NVMe SSDs	
	20 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960 GB SSD SATA Mix Use 6Gbps 512e 2.5in Hot-plug Drive, S4600, 3 DWPD, 5256 TBW	400-ASYL (EOS)
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI



Component	Description	SKU
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)
	1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
	4 x NVMe SSDs	
	Dell 800GB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725a with Carrier	400-AUMO (EOS)
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725a with Carrier	400-AUMP (EOS)
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, P4610 with Carrier	400-BELT
	Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM1725b with Carrier	400-BEFC
	Dell 3.2TB NVMe Mix Use Express Flash 2.5in SFF Drive U.2 P4610	400-BEDQ
	Dell 6.4TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, P4610 with Carrier	400-BELR



Component	Description	SKU
Storage: Hybrid	Mix of SATA/SAS SSDs and HDDs	
	4, 6, or 8 x 2.5" SATA/SAS SSDs	
	Note: The SSD SKUs 400-AYZI, 400-BDNK, 400-BDSI, 400-BDSU, and 400-BDSD are supported with Foundation 4.3.4 and higher versions.	
	480 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ARXG (EOS)
	480 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASEO (EOS)
	480GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive	400-BDSD (EOS)
	480GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 2628 TBW	400-BCQG (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645, 3 DWPD, 4380 TBW	400-AZHC (EOS)
	800GB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, PM1645A, 3 DWPD, 4380 TBW	400-AZII (EOS)
	960 GB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASFO (EOS)
	960 GB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV	400-ASFI
	960GB SSD SATA Mixed Use 6Gbps 512e 2.5in Hot Plug S4610 Drive, 3 DWPD, 5256 TBW	400-BDSI
	960GB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 5256 TBW	400-BCQN
	960GB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V,3 DWPD, 5256 TBW	400-BEPD
	1.92 TB Solid State Drive SATA Mix Use 6Gbps 512n 2.5in Hot-plug Drive, 3X DWPD, SM863a	400-ASGE (EOS)
	1.92TB SSD SAS Mix Use 12Gbps 512n 2.5in Hot-plug Drive, PX05SV,3 DWPD,10512 TBW	400-ASFZ
	1.92TB SSD SATA Mix used 6Gbps 512e 2.5in Hot Plug S4610 Drive,	400-BDSU
	Dell 1.92TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot-plug Drive PM883	400-BCVC
1.92TB SSD SAS Mixed use 12Gbps 512e 2.5in Hot-Plug PM5-V Drive, 3 DWPD, 10512 TBW	400-BCOM	
1.92TB SSD SAS Mixed Use 12Gbps FIPS-140 512e 2.5in, PM5-V, 3 DWPD, 10512 TBW	400-BEQI	
1.92TB SSD SAS Mix Use 12Gbps 512e 2.5in Hot-plug Drive, Toshiba PM5	400-BCMJ	



Component	Description	SKU
	1.92TB SSD SATA RI (1 DWPD), 512e, 6Gbps, 2.5", ISE, Samsung, PM883a, PE/PV	345-BBHN
	3.84TB SSD SAS Read Intensive 12Gb 512e 2.5in Hot-plug Drive, PM1633a,1 DWPD,7008 TBW	400-ASGI
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in Hot-plug Drive, PM1643, 1 DWPD, 7008 TBW	400-AYZI
	3.84TB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD,7008 TBW	400-BDNK
	3.84TB SSD SAS Read Intensive 12Gbps 512e 2.5in PM5-R Hot-plug Drive, 1 DWPD, 7008 TBW	400-BBQX
	7.68TB Solid State Drive Read Intensive SAS 12Gbps 512e 2.5in PM1643a Hot-Plug 1 DWPD 14016 TBW	345-BBBP
	8, 10, 12, 14, 16, 18, or 20 x 2.5" HDDs	
	Note: The number of HDDs should be twice or more the number of SSDs.	
	1 TB 7.2K RPM Near-Line SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	400-ASHE
	1.2TB 10K RPM Self-Encrypting SAS 12Gbps 512n 2.5in Hot-plug Hard Drive, FIPS140	400-ASHK
	1.8TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive	400-ARXC
	2 TB 7.2K RPM Near-Line SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	400-ASHP
	2.4TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive	400-AVEZ
	2.4TB 10K RPM Self-Encrypting SAS 12Gbps 512e 2.5in Hot-plug Hard Drive, FIPS140	400-AVHH
Storage Controller	1 x Storage Controller	
	HBA330 Controller Adapter, Low Profile	405-AANK
	HBA330 12Gbps SAS HBA Controller (NON-RAID), MiniCard	405-AAJW
RAID Option	No RAID	780-BCDI

Table 18: Skylake: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Skylake Silver, Gold, or Platinum CPU (8 or more cores per CPU).	Various



Component	Description	SKU
Memory	DDR4-2666, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-ADND
	DDR4-2666, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ADNF
	DDR4-2666, 1.2V, 64 GB, LRDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB Note: Select 2666MT/s LRDIMMs (SKU 370-ADNT) for memory DIMM type and speed option.	370-ADNH
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB Note: <ul style="list-style-type: none"> • Select 2666MT/s LRDIMMs (SKU 370-ADNT) for memory DIMM type and speed option. • For memory capacity higher than 768 GB and up to 1.5 TB per socket, order the Intel Skylake Xeon CPUs with suffix M. 	370-ADMX

Table 19: Cascade Lake and Cascade Lake Refresh: CPU and Memory

Component	Description	SKU
CPU	2 x Any Intel Cascade Lake or Cascade Lake Refresh CPU (Silver, Gold, or Platinum, with 8 or more cores per CPU).	Various
Memory	DDR4-3200, 1.2V, 8 GB, RDIMM 12 x 8 GB = 96 GB 16 x 8 GB = 128 GB 24 x 8 GB = 192 GB	370-AEVO



Component	Description	SKU
	DDR4-2933, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEQF
	DDR4-3200, 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 16 x 16 GB = 256 GB 24 x 16 GB = 384 GB	370-AEVQ
	DDR4-2933, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEQH
	DDR4-3200, 1.2V, 32 GB, RDIMM 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-AEVN
	DDR4-2933, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEQD
	DDR4-3200, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB	370-AEVP
	DDR4-2667, 1.2V, 128 GB, LRDIMM 12 x 128 GB = 1.5 TB 16 x 128 GB = 2 TB 24 x 128 GB = 3 TB	370-ADMX

Table 20: Networking

Component	Description	SKU
FlexibleLOM Adapter	1 x Flexible LAN on Motherboard (FLOM) adapter	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC	406-BBLG
	Intel X550 Quad Port 10GbE BASE-T, rNDC	540-BBUY
	Intel X550 Dual Port 10GbE BASE-T & i350 Dual Port 1GbE BASE-T, rNDC	540-BBUZ



Component	Description	SKU
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBDD
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Broadcom 57416 Dual Port 10GbE BASE-T & 5720 Dual Port 1GbE BASE-T, rNDC	540-BBUK
	Broadcom 57414 Dual Port 10/25GbE SFP28, rNDC	540-BBUM
	Intel Ethernet I350 QP 1Gb Network Daughter Card	540-BBCB
	Intel X710 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE, rNDC	555-BCKO
PCIe Network Interface	1 x PCIe Network Interface	
	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	406-BBLE
	Intel X550 Dual Port 10GbE BASE-T Adapter, PCIe Full Height	540-BBRO
	Intel X710 Dual Port 10GbE Direct Attach SFP+ Adapter, PCIe Full Height	540-BBHP
	Intel XXV710 Dual Port 25GbE SFP28 PCIe Adapter, Low Profile, Customer Install	540-BCCN
	Intel Ethernet I350 Dual Port 1GbE BASE-T Adapter, PCIe Full Height	540-BBDH
	Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Full Height	540-BBUI
	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBUH
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT
	Intel XXV710 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BCDH
	Mellanox ConnectX-5 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BCNM
	Mellanox ConnectX-5 EX Dual Port 40/100GbE QSFP28 Adapter, PCIe Full Height	540-BCIU
	Broadcom 57414 Dual Port 10/25GbE SFP28 Adapter, PCIe Full Height	540-BBUJ



Component	Description	SKU
Dual NIC Configuration	<p>Note:</p> <ul style="list-style-type: none"> • Dual 10G Base-T NICs, 1 x 540-BBUY + 1 x 540-BBRO • Dual 10G SFP+ NICs, 1 x 555-BCKO + 1 x 540-BBHP • Dual 25G NICs, 1 x 406-BBLG + 1 x 406-BBLE 	

Table 21: GPU

Component	Description	SKU
GPU	1 or 2 x GPU	
	<p>Note:</p> <ul style="list-style-type: none"> • For dual-GPU configuration, a combination of same GPUs is supported. • Use the riser kit SKU 330-BBHH (Riser Config 4, 3 x 8, 4 x 16 slots, Double-Wide GPU compatible). • Order a Heatsink and Install Kit for GPU Configuration; SKU 412-AAJK for M10 GPU and SKU 750-AAXX for P40 GPU. • The GPU SKUs 490-BFRQ and 490-BFSG are supported with ESXi hypervisors. Starting from AOS 5.19, they are also supported with AHV. 	
	NVIDIA Tesla M10 GPU, Requires GRID 2.0 SW for VDI Function	489-BBCG
	NVIDIA Tesla P40 24GB GPU (Single/Dual GPU)	489-BBCN
	Dell 16GB NVIDIA Tesla T4 GPU Graphic Card	490-BEYM
	NVIDIA® Tesla™ V100 32GB, Passive, Double Wide, Full Height GPU	490-BENY
	NVIDIA Tesla V100S 32GB, 250W, Passive, Double Wide, Full Height GPU	490-BFRR
	NVIDIA® Tesla™ V100 16GB, Passive, Double Wide, Full Height GPU	490-BEDZ
	NVIDIA Quadro RTX 6000 24 GB, 250W, Dual Slot, PCIe x16 Passive Cooled, Full Height GPU	490-BFRQ
NVIDIA Quadro RTX 8000 48 GB, 250W, Dual Slot, PCIe x16 Passive Cooled, Full Height GPU	490-BFSG	



Software and Firmware Compatibility for Dell™ 14th Generation PowerEdge™ Servers

Before you image a Dell™ PowerEdge™ server, make sure that the server is running the recommended firmware and software. Also, make sure that the versions of Nutanix Foundation, hypervisor, and other required software match the versions listed here.

Dell™ PowerEdge™ Component Firmwares

Download the appropriate component firmware versions on the server.

Table 22: Required Dell™ PowerEdge™ Component Firmwares

Component	Firmware
BIOS	2.14.2 (A-rev)
iDRAC	5.10.30.0

Supported Hypervisors

The supported hypervisors are as follows. For version information, see [Nutanix Software Versions](#) on page 42 and [Versions of Other Software](#) on page 43.

- Nutanix AHV
- VMware ESXi 6.7 U2
- VMware ESXi 6.7 U3
- VMware ESXi 6.5 U2
- VMware ESXi 6.5 U3
- VMware ESXi 7.0 U1
- VMware ESXi 7.0 U2

Nutanix Software Versions

Download the following software from the Nutanix support portal at <https://portal.nutanix.com/>.

Note: For a complete list that includes older versions, of qualified AOS and hypervisor software, see [Compatibility Matrix](#).

Table 23: Highest Software Versions Qualified With All Dell 14th Generation PowerEdge Servers

Component	Software Version
Nutanix Acropolis Operating System (AOS)	6.5.1
Nutanix Foundation	5.3.1
Nutanix Cluster Check (NCC)	4.6.2
Nutanix AHV	20201105.30411



Component	Software Version
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Note: The VMware ESXi 6.5 U3 and ESXi 6.7U3 hypervisors are supported with Foundation 4.5 and higher versions.

Versions of Other Software

The following tables provide download information for compatible versions of VMware ESXi:

Table 24: Dell™ Customized Image of VMware ESXi 6.7 U2 Download Information

File Attribute	Value
Dell™ Version	A0
Build Number	13006603
Name	VMware-VMvisor- Installer-6.7.0.update02-13006603.x86_64- DellEMC_Customized-A00.iso
Published MD5 Checksum	0be75d72803fe94bec06bf63ac811fe6

Table 25: Dell™ Customized Image of VMware ESXi 6.7 U3 Download Information

File Attribute	Value
Dell™ Version	A08
Build Number	17167734
Name	VMware-VMvisor- Installer-6.7.0.update03-17167734.x86_64- DellEMC_Customized-A08.iso
Published MD5 Checksum	5d61a894a67b3dcf68155ce3292d8290

Note: Please use the latest iso_whitelist for ESXi 6.7 U3 A08 hypervisor support.

Table 26: Dell™ Customized Image of VMware ESXi 6.5 U2 Download Information

File Attribute	Value
Dell™ Version	A07
Build Number	10719125
Name	VMvisor- Installer-6.5.0.update02-10719125.x86_64- DellEMC_Customized-A07.iso
Published MD5 Checksum	c0b4c1ac03d1172da03b88ee6c5d2dd4



Table 27: Dell™ Customized Image of VMware ESXi 6.5 U3 Download Information

File Attribute	Value
Dell™ Version	A06
Build Number	17167537
Name	VMware-VMvisor- Installer-6.5.0.update03-17167537.x86_64- DellEMC_Customized-A06.iso
Published MD5 Checksum	25d79f47aec61a6f48ef9670b373410a

Note: Please use the latest iso_whitelist for ESXi 6.5 U3 A06 hypervisor support.

Table 28: Dell™ Customized Image of VMware ESXi 7.0 U1 Download Information

File Attribute	Value
Dell™ Version	A01
Build Number	17325551
Name	VMware-VMvisor- Installer-7.0.0.update01-17325551.x86_64- DellEMC_Customized-A01.iso
Published MD5 Checksum	f5153e1d2cceebeb68f17b8693c1c984

Note:

- Please use the latest iso_whitelist for ESXi 7.0 U1 hypervisor support.
- For 1-click hypervisor upgrade from ESXi 6.x to ESXi 7.0, refer to the KB Article 9876.

Table 29: Dell™ Customized Image of VMware ESXi 7.0 U2 Download Information

File Attribute	Value
Dell™ Version	A03
Build Number	17867351
Name	VMware-VMvisor- Installer-7.0.0.update02-17867351.x86_64- DellEMC_Customized-A03.iso
Published MD5 Checksum	e69452091274020e3664e95a779c7adf



File Attribute	Value
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Note:

- Please use the latest iso_whitelist for ESXi 7.0 U2 hypervisor support.
- For 1-click hypervisor upgrade from ESXi 6.x to ESXi 7.0, refer to the KB Article 9876.

To verify that you have downloaded the correct ISO file, calculate the md5 checksum of the downloaded file and compare it with the published md5 checksum.

Dell™ 13th Generation PowerEdge™ Servers

R630 10 SFF Hardware Compatibility

Qualification date: July 2017

Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> • Analytics and Big Data • Remote Office/Branch Office • End-User Computing/Virtual Desktop Infrastructure <p>Note: Only Legacy BIOS is supported.</p>	
	PowerEdge R630 Server Nodes per chassis: 1	210-ACXS
	1 RU Chassis with up to 10, 2.5" Hard Drives, 3 PCIe Slots Nodes per chassis: 1	321-BBKM
Boot Drive	1 x 64 GB Solid State SATA-DOM Boot Drive Note: The following hypervisors are supported: VMware ESXi 6.0u2 and Nutanix AHV	400-AOQL
Power Supply	2 x Hot-plug power supplyDual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
Embedded Systems Management	iDRAC8 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBHO



Table 30: Storage

Component	Description	SKU
Storage: Hybrid	Mix of SATA SSDs and HDDs	
	2 x 2.5" SATA SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
	4, 6, or 8 x 2.5" HDDs	
	1 TB 7.2K RPM Near-Line SAS 2.5in Hot-plug Hard Drive	400-ALUN
	2 TB 7.2K RPM NLSAS 512n 2.5in Hot-plug Hard Drive	400-AMUC
Storage: All-Flash	Only SATA/SAS SSDs	
	2 or 10 x 2.5" SATA/SAS SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
	3.84 TB Solid State Drive Serial Attached SCSI (SAS) Read Intensive 12Gbps 512e 2.5in Hot-plug Drive - PM1633a	400-AQNT
RAID Option	No RAID for HBA330/H330/H730/H730P (Inc Flex Bay) w/ SATADOM <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: This description does not indicate the list of supported controllers. Nutanix supports only HBA330 12Gbps SAS HBA Controller in R630 10 SFF. </div>	780-BCCZ



Component	Description	SKU
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON-RAID), Minicard	405-AAJU

Table 31: Broadwell: CPU and Memory

Component	Description	SKU
CPU	2 x Intel Xeon E5-2620 v4, 8-core Broadwell @2.1 GHz or higher Note: The specified processor is the lowest supported processor. Higher processors are also supported.	Various
Memory	DDR4-2400, 1.2V, 16 GB, RDIMM 8 x 16 GB = 128 GB 16 x 16 GB = 256 GB	370-ACNX
	DDR4-2400, 1.2V, 32 GB, RDIMM 8 x 32 GB = 256 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ACNS
	DDR4-2400, 1.2V, 64 GB, LRDIMM 8 x 64 GB = 512 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB Note: Use the memory options 370-AAIP (Memory Configuration Type: Performance Optimized) and 370-ACPG (Memory DIMM Type and Speed: 2400MT/s LRDIMMs) for selecting the 64 GB DIMM in Dell Configurator.	370-ACNV

Table 32: Networking

Component	Description	SKU
Network Interface	1 x Network Interface	
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT



Component	Description	SKU
Dual NIC Configuration	Note: Dual 10G NICs, 1 x 540-BBBB + 1 x 540-BBCT	

R730xd 12 LFF Hardware Compatibility

Qualification date: July 2017

Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> Analytics and Big Data Backup and Disaster Recovery Files and Objects Private Cloud Test and Development End-User Computing/Virtual Desktop Infrastructure <p>Note: Only Legacy BIOS is supported.</p>	
	PowerEdge R730xd Server Nodes per chassis: 1	210-ADBC
	2 RU Chassis with up to 12, 3.5" Hard Drives Nodes per chassis: 1	350-BBEU
Boot Drive	1 x 64 GB Solid State SATA-DOM Boot Drive Note: The following hypervisors are supported: VMware ESXi 6.0u2 and Nutanix AHV	400-AOQL
Power Supply	2 x Hot-plug power supplyDual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
Embedded Systems Management	iDRAC8 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBHO

Table 33: Storage

Component	Description	SKU
Storage: Hybrid	Mix of SATA SSDs and HDDs	
	2 or 4 x 3.5" SATA SSDs	



Component	Description	SKU
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863	400-AMHB
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, S3610	400-AIGG
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863	400-AMIG
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, S3610	400-AIFO
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive 3.5in HYB CARR, SM863	400-AMIX
	8 or 10 x 3.5" HDDs	
	2 TB 7.2K RPM NLSAS 512n 3.5in Hot-plug Hybrid Carrier Hard Drive	400-ALPB
	4 TB 7.2K RPM NLSAS 512n 3.5in Hot-plug Hybrid Carrier Hard Drive	400-ALOV
	4 TB 7.2K RPM NLSAS 12Gbps 512n 3.5in Hot-plug Hard Drive	400-ALNY
	8 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	400-AMPP
	Note: AOS 5.11 and above supports a maximum of 120 TB storage per node.	
	8 TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Drive	400-AMPG
Storage: All-Flash	Only SATA SSDs	
	12 x 3.5" SATA SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863	400-AMHB
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, S3610	400-AIGG
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, SM863	400-AMIG
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, 3.5in HYB CARR, S3610	400-AIFO



Component	Description	SKU
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive 3.5in HYB CARR, SM863	400-AMIX
RAID Option	No RAID for HBA330/H330/H730/H730P (Inc Flex Bay) w/ SATADOM <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: This description does not indicate the list of supported controllers. Nutanix supports only HBA330 12Gbps SAS HBA Controller in R730xd 12 LFF. </div>	780-BCCT
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON- RAID), Minicard	405-AAJU

Table 34: Broadwell: CPU and Memory

Component	Description	SKU
CPU	2 x Intel Xeon E5-2620 v4, 8-core Broadwell @2.1 GHz or higher. <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: The specified processor is the lowest supported processor. Higher processors are also supported. </div>	Various
Memory	DDR4-2400, 1.2V, 16 GB, RDIMM 8 x 16 GB = 128 GB 16 x 16 GB = 256 GB	370-ACNX
	DDR4-2400, 1.2V, 32 GB, RDIMM 8 x 32 GB = 256 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ACNS
	DDR4-2400, 1.2V, 64 GB, LRDIMM 8 x 64 GB = 512 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: Use the memory options 370-AAIP (Memory Configuration Type: Performance Optimized) and 370-ACPG (Memory DIMM Type and Speed: 2400MT/s LRDIMMs) for selecting the 64 GB DIMM in Dell Configurator. </div>	370-ACNV



Table 35: Networking

Component	Description	SKU
Network Interface	1 x Network Interface	
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT
Dual NIC Configuration	Note: Dual 10G NICs, 1 x 540-BBBB + 1 x 540-BBCT	

R730xd 24 SFF Hardware Compatibility

Qualification date: July 2017

Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> • Analytics and Big Data • Database and Business Critical Apps • Private Cloud • Test and Development • End-User Computing/Virtual Desktop Infrastructure <p>Note: Only Legacy BIOS is supported.</p>	
	PowerEdge R730xd Server Nodes per chassis: 1	210-ADBC
	2 RU Chassis with up to 24, 2.5" Hard Drives Nodes per chassis: 1	350-BBFD
Boot Drive	1 x 64 GB Solid State SATA-DOM Boot Drive <p>Note: The following hypervisors are supported: VMware ESXi 6.0u2 and Nutanix AHV</p>	400-AOQL
Power Supply	2 x Hot-plug power supplyDual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
Embedded Systems Management	iDRAC8 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBHO



Table 36: Storage

Component	Description	SKU
Storage: Hybrid	Mix of SATA/SAS SSDs and HDDs	
	4 x 2.5" SATA/SAS SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
	3.84 TB Solid State Drive SAS RI 12Gbps 512e 2.5in Hot-plug Drive, PM1633a	400-AQNF
	20 x 2.5" HDDs	
	1 TB 7.2K RPM Near-Line SAS 2.5in Hot-plug Hard Drive	400-ALUN
	2 TB 7.2K RPM NLSAS 512n 2.5in Hot-plug Hard Drive	400-AMUC
Storage: All-Flash	Only SATA/SAS SSDs	
	24 x 2.5" SATA/SAS SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
	3.84 TB Solid State Drive SAS RI 12Gbps 512e 2.5in Hot-plug Drive, PM1633a	400-AQNF



Component	Description	SKU
RAID Option	No RAID for HBA330/H330/H730/H730P (Inc Flex Bay) w/ SATADOM <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: This description does not indicate the list of supported controllers. Nutanix supports only HBA330 12Gbps SAS HBA Controller in R730xd 24 SFF. </div>	780-BCCT
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON-RAID), Minicard	405-AAJU

Table 37: Broadwell: CPU and Memory

Component	Description	SKU
CPU	2 x Intel Xeon E5-2620 v4, 8-core Broadwell @2.1 GHz or higher. <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: The specified processor is the lowest supported processor. Higher processors are also supported. </div>	Various
Memory	DDR4-2400, 1.2V, 16 GB, RDIMM 8 x 16 GB = 128 GB 16 x 16 GB = 256 GB	370-ACNX
	DDR4-2400, 1.2V, 32 GB, RDIMM 8 x 32 GB = 256 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB	370-ACNS
	DDR4-2400, 1.2V, 64 GB, LRDIMM 8 x 64 GB = 512 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB <div style="border: 1px solid gray; padding: 5px; background-color: #f0f0f0;"> Note: Use the memory options 370-AAIP (Memory Configuration Type: Performance Optimized) and 370-ACPG (Memory DIMM Type and Speed: 2400MT/s LRDIMMs) for selecting the 64 GB DIMM in Dell Configurator. </div>	370-ACNV



Table 38: Networking

Component	Description	SKU
Network Interface	1 x Network Interface	
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT
Dual NIC Configuration	Note: Dual 10G NICs, 1 x 540-BBBB + 1 x 540-BBCT	

R730 16 SFF Hardware Compatibility

Qualification date: July 2017

Component	Description	SKU
Chassis	Use cases: <ul style="list-style-type: none"> • Analytics and Big Data • Database and Business Critical Apps Note: Only Legacy BIOS is supported.	
	PowerEdge R730 Server Nodes per chassis: 1	210-ACXU
	2 RU Chassis with up to 16, 2.5" Hard Drives Nodes per chassis: 1	350-BBIL
Boot Drive	1 x 64 GB Solid State SATA-DOM Boot Drive Note: The following hypervisors are supported: VMware ESXi 6.0u2 and Nutanix AHV	400-AOQL
Power Supply	2 x Hot-plug power supplyDual, Hot-plug, Redundant Power Supply (1+1), 1100W	450-ADWM
Embedded Systems Management	iDRAC8 Enterprise, Integrated Dell Remote Access Controller, Enterprise	385-BBHO



Table 39: Storage

Component	Description	SKU
Storage: Hybrid	Mix of SATA SSDs and HDDs	
	2 or 4 x 2.5" SATA SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
	4, 6, 8, 12, or 14 x 2.5" HDDs	
	Note: The HDDs need to be twice or more the number of SSDs.	
	1 TB 7.2K RPM Near-Line SAS 2.5in Hot-plug Hard Drive	400-ALUN
2 TB 7.2K RPM NLSAS 512n 2.5in Hot-plug Hard Drive	400-AMUC	
Storage: All-Flash	Only SATA SSDs	
	16 x 2.5" SATA SSDs	
	480 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMID
	800 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIFQ
	960 GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHE
	1.6 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, S3610	400-AIGF
	1.92 TB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Hot-plug Drive, SM863	400-AMHH
RAID Option	No RAID for HBA330 (1-16 HDDs or SSDs) SATADOM	780-BCCS
Storage Controller	1 x HBA330 12Gbps SAS HBA Controller (NON-RAID), Minicard	405-AAJU



Table 40: Broadwell: CPU and Memory

Component	Description	SKU
CPU	<p>2 x Intel Xeon E5-2620 v4, 8-core Broadwell @2.1 GHz or higher.</p> <p>Note: The specified processor is the lowest supported processor. Higher processors are also supported.</p>	Various
Memory	<p>DDR4-2400, 1.2V, 16 GB, RDIMM</p> <p>8 x 16 GB = 128 GB 16 x 16 GB = 256 GB</p>	370-ACNX
	<p>DDR4-2400, 1.2V, 32 GB, RDIMM</p> <p>8 x 32 GB = 256 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB</p>	370-ACNS
	<p>DDR4-2400, 1.2V, 64 GB, LRDIMM</p> <p>8 x 64 GB = 512 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB</p> <p>Note: Use the memory options 370-AAIP (Memory Configuration Type: Performance Optimized) and 370-ACPG (Memory DIMM Type and Speed: 2400MT/s LRDIMMs) for selecting the 64 GB DIMM in Dell Configurator.</p>	370-ACNV

Table 41: Networking

Component	Description	SKU
Network Interface	1 x Network Interface	
	Intel X520 Dual Port 10GbE SFP+ & i350 Dual Port 1GbE BASE-T, rNDC	540-BBBB
	Intel X520 Dual Port 10GbE SFP+ Adapter, PCIe Full Height	540-BBCT
Dual NIC Configuration	<p>Note: Dual 10G NICs, 1 x 540-BBBB + 1 x 540-BBCT</p>	



Software and Firmware Compatibility for Dell™ 13th Generation PowerEdge™ Servers

Before you image a Dell™ PowerEdge™ server, make sure that the server is running the recommended firmware and software. Also, make sure that the versions of Nutanix Foundation, hypervisor, and other required software match the versions listed here.

Dell™ PowerEdge™ Component Firmwares

Download the appropriate component firmware versions on the server.

Table 42: Required Dell™ PowerEdge™ Component Firmwares

Component	Firmware
BIOS	2.13.0
iDRAC	2.81.81.81

Supported Hypervisors

The supported hypervisors are as follows. For version information, see [Nutanix Software Versions](#) on page 57 and [Versions of Other Software](#) on page 58.

- Nutanix AHV
- VMware ESXi 6.7 U2
- VMware ESXi 6.7 U3
- VMware ESXi 6.5 U2
- VMware ESXi 6.5 U3
- VMware ESXi 7.0 U1
- VMware ESXi 7.0 U2

Nutanix Software Versions

Download the following software from the Nutanix support portal at <https://portal.nutanix.com/>.

Note: For a complete list that includes older versions, of qualified AOS and hypervisor software, see [Compatibility Matrix](#).

Table 43: Highest Software Versions Qualified With All Dell 13th Generation PowerEdge Servers

Component	Software Version
Nutanix Acropolis Operating System (AOS)	6.5.1
Nutanix Foundation	5.3.1
Nutanix Cluster Check (NCC)	4.6.2
Nutanix AHV	20201105.30411



Component	Software Version
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Note: The VMware ESXi 6.5 U3 and ESXi 6.7U3 hypervisors are supported with Foundation 4.5 and higher versions.

Versions of Other Software

The following table provides download information for compatible version of VMware ESXi:

Table 44: Dell™ Customized Image of VMware ESXi 6.7 U2 Download Information

File Attribute	Value
Dell™ Version	A0
Build Number	13006603
Name	VMware-VMvisor- Installer-6.7.0.update02-13006603.x86_64- DellEMC_Customized-A00.iso
Published MD5 Checksum	0be75d72803fe94bec06bf63ac811fe6

Table 45: Dell™ Customized Image of VMware ESXi 6.7 U3 Download Information

File Attribute	Value
Dell™ Version	A08
Build Number	17167734
Name	VMware-VMvisor- Installer-6.7.0.update03-17167734.x86_64- DellEMC_Customized-A08.iso
Published MD5 Checksum	5d61a894a67b3dcf68155ce3292d8290

Note: Please use the latest iso_whitelist for ESXi 6.7 U3 A08 hypervisor support.

Table 46: Dell™ Customized Image of VMware ESXi 6.5 U2 Download Information

File Attribute	Value
Dell™ Version	A07
Build Number	10719125
Name	VMware-VMvisor- Installer-6.5.0.update02-10719125.x86_64- DellEMC_Customized-A07.iso
Published MD5 Checksum	c0b4c1ac03d1172da03b88ee6c5d2dd4



Table 47: Dell™ Customized Image of VMware ESXi 6.5 U3 Download Information

File Attribute	Value
Dell™ Version	A06
Build Number	17167537
Name	VMware-VMvisor- Installer-6.5.0.update03-17167537.x86_64- DellEMC_Customized-A06.iso
Published MD5 Checksum	17167537

Note: Please use the latest iso_whitelist for ESXi 6.5 U3 A06 hypervisor support.

Table 48: Dell™ Customized Image of VMware ESXi 7.0 U1 Download Information

File Attribute	Value
Dell™ Version	A01
Build Number	17325551
Name	VMware-VMvisor- Installer-7.0.0.update01-17325551.x86_64- DellEMC_Customized-A01.iso
Published MD5 Checksum	f5153e1d2cceebeb68f17b8693c1c984

Note:

- Please use the latest iso_whitelist for ESXi 7.0 U1 hypervisor support.
- For 1-click hypervisor upgrade from ESXi 6.x to ESXi 7.0, refer to the KB Article 9876.

Table 49: Dell™ Customized Image of VMware ESXi 7.0 U2 Download Information

File Attribute	Value
Dell™ Version	A03
Build Number	17867351
Name	VMware-VMvisor- Installer-7.0.0.update02-17867351.x86_64- DellEMC_Customized-A03.iso
Published MD5 Checksum	e69452091274020e3664e95a779c7adf



File Attribute	Value
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Note:

- Please use the latest iso_whitelist for ESXi 7.0 U2 hypervisor support.
- For 1-click hypervisor upgrade from ESXi 6.x to ESXi 7.0, refer to the KB Article 9876.

To verify that you have downloaded the correct ISO file, calculate the md5 checksum of the downloaded file and compare it with the published md5 checksum.



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