

Nebula Hardware

Here we'll list the current hardware for the OpenStack servers – CPU, memory, storage, network capabilities, etc.

Compute Node (currently 10):

PowerEdge R730 Server (210-ACXU)
PowerEdge R730/R730xd Motherboard (591-BBCH)
R730/xd PCIe Riser 2, Center (330-BBCO)
R730 PCIe Riser 3, Left (330-BBCQ)
R730/xd PCIe Riser 1, Right (330-BBCR)
Broadcom 57800 2x10Gb BT + 2x1Gb BT Network Daughter Card (540-BBBZ)
PERC H730 Integrated RAID Controller, 1GB Cache (405-AAEG)
Intel Xeon E5-2680 v3 2.5GHz,30M Cache,9.60GT/s QPI,Turbo,HT,12C/24T (120W) Max Mem 2133MHz (338-BFFJ) (x2)
16GB RDIMM, 2133 MT/s, Dual Rank, x4 Data Width (370-ABUG) (x16)
2133MT/s RDIMMs (370-ABUF)
1TB 7.2K RPM SATA 6Gbps 2.5in Hot-plug Hard Drive,13G (400-AEFC) (x2)
Electronic System Documentation and OpenManage DVD Kit, PowerEdge R730/xd (631-AAJG)
No Internal Optical Drive (429-AAOJ)
ReadyRails Sliding Rails Without Cable Management Arm (770-BBBQ)
Dual, Hot-plug, Redundant Power Supply (1+1), 750W (450-ADWS)

Storage Nodes (currently 3):

PowerEdge R730xd Server (210-ADBC)
PowerEdge R730/R730xd Motherboard (591-BBCH)
R730/xd PCIe Riser 2, Center (330-BBCO)
R730xd PCIe Riser 1 Filler Blank, Right (374-BBHT)
QLogic 57800 2x10Gb BT + 2x1Gb BT Network Daughter Card (540-BBBZ)
Chassis with up to 12 + 4 Internal, 3.5" Hard Drives and 2, 2.5" Flex Bay Hard Drives (350-BBEX)
PERC H730P Integrated RAID Controller, 2GB Cache (405-AAEH)
Intel Xeon E5-2650 v3 2.3GHz,25M Cache,9.60GT/s QPI,Turbo,HT,10C/20T (105W) Max Mem 2133MHz (338-BFFF)
16GB RDIMM, 2133 MT/s, Dual Rank, x4 Data Width (370-ABUG) (x8)
6TB 7.2K RPM SATA6 6Gbps 512e 3.5in Hot-plug Hard Drive,13G (400-AGMM) (x12)
200GB Solid State Drive SATA Mix Use MLC 6Gbps 2.5in Flex Bay Drive,13G (400-AFIX) (x2)
6TB 7.2K RPM SATA 6Gbps 512e 3.5in Internal Bay Hard Drive,13G (400-AHHH) (x4)
Dual, Hot-plug, Redundant Power Supply (1+1), 750W (450-ADWS)

Controller Nodes (currently: 2)

PowerEdge R430 Server (210-ADLO)
PowerEdge R430/R530 Motherboard (329-BCBR)
PowerEdge R430 Shipping (340-AMJF)
Riser with Two x16 PCIe Gen3 LP slots (x16 PCIe lanes), R430 (330-BBEF)

On-Board LOM 1GBE (Dual Port for Towers, Quad Port for Racks) (542-BBCO)
Broadcom 57810 Dual Port 10Gb Base-T Low Profile Network Adapter (540-BBBI)
RAID 1 for H330/H730/H730P (2 HDDs or SSDs) (780-BBPM)
PERC H730 Integrated RAID Controller, 1GB Cache (405-AAEG)
Intel Xeon E5-2623 v3 3.0GHz,10M Cache,8.00GT/s QPI,Turbo,HT,4C/8T (105W) Max Mem 1866MHz (338-BFMR) (x2)
8GB RDIMM, 2133MT/s, Dual Rank, x8 Data Width (370-ABUJ) (x8)
1TB 7.2K RPM SATA 6Gbps 3.5in Hot-plug Hard Drive,13G (400-AEEZ) (x2)