DELLTechnologies

Dell EMC™ PowerEdge™ Server OEM **Quick Reference Guide** for Hyperconverged Solutions

Complete solutions from Dell Technologies, including hardware, software, support and consulting services.

Hyperconverged Infrastructure (HCI) Solutions

	Dell EMC Azure Stack HCI Ready Nodes				Dell EMC™ VxRail™				
	PowerEdge R440 S2D	PowerEdge R640 S2D	PowerEdge R740xd S2D	PowerEdge R740xd2 S2D	Dell EMC VxRail G Series	Dell EMC VxRail S Series	Dell EMC VxRail V Series	Dell EMC VxRail P Series	Dell EMC VxRail E Series
Processor Type	Intel® Xeon® Scalable processors								
Server Type and Key Workloads	Dell EMC Microsoft Storage Spaces Direct (S2D) Ready Nodes are preconfigured with certified components and validated building blocks that can simplify ordering and reduce deployment risks while providing a superb customer-support experience.				Compute-dense 2U/four-node platform for general-purpose workloads	Storage-dense 2U/one-node platform for demanding applications such as virtualized Microsoft SharePoint, Microsoft Exchange, big data, analytics and video surveillance	Virtual desktop infrastructure (VDI)-optimized 2U/one-node platform with graphics processing unit (GPU) hardware for graphics-intensive desktops and workloads	Performance-intensive 2U/one-node platform with an all-NVM Express® (NVMe®) option, configurable with 1, 2 or 4 sockets optimized for intensive workloads, such as databases	Go-everywhere 1U/one-node platform with an all-NVMe option and NVIDIA® T4 GPUs for a wide range of use cases, including artificial intelligence (AI) and machine learning (ML)
Operating System	Windows Server 2019 Datacenter edition				VMware ESXi™ 7.0				
Microsoft Licenses	Windows Server 2019 Client Access Licenses (CALs): • Windows Server 2019 operating system user CALs • Windows Server 2019 operating system device CALs • Windows Server 2019 Remote Desktop Services (RDS) user CALs • Windows Server 2019 RDS device CALs				Windows Server 2019 Datacenter edition (guest OS)				
VMware Licenses	Does not apply				VMware vSAN™ • vSAN Standard • vSAN Advanced • vSAN Enterprise	VMware vSphere® • vSphere Standard • vSphere Enterprise Plus	• vSphere ROBO Standard, 25 VM • vSphere ROBO Advanced, 25 VM • vSphere Desktop, 100 VM		
HCI Software	• Windows Server 2019 Datacenter edition with Hyper-V, S2D and software-defined networking (SDN) • Windows Admin Center • Microsoft System Center				Does not apply				
Microsoft SQL Server 2019	SQL Server 2019 Standard Edition: • SQL Server 2019 Standard with 5 CALs • SQL Server 2019 Standard user CALs • SQL Server 2019 Standard device CALs		• SQL Server 2019 Standard, 4 core • SQL Server 2019 Standard, 2 core add-on						
Systems Management	• Dell EMC™ OpenManage™ Integration with Microsoft Windows Admin Center • Dell EMC OpenManage Integration for Microsoft System Center				• Dell EMC OpenManage Integration for VMware vCenter®				
Support and Consulting Services	• Dell ProSupport™ • Dell ProSupport and 4-hour mission critical • Dell ProSupport Plus • Dell ProSupport Plus and 4-hour mission critical		• Dell ProDeploy • Dell ProDeploy Plus • Consulting services • Dell™ Data Domain™ Virtual Edition (DDVE) • Dell EMC™ Secure Remote Services (SRS)						
	• Dell ProDeploy Plus with add-on for Dell EMC S2D Ready Nodes • Dell ProSupport for software for S2D Ready Nodes				• Dell EMC™ RecoverPoint™ for virtual machines (VMs) • Dell EMC™ Data Protection Suite™ for VMware				

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	VMware vSAN ReadyNode™										
	PowerEdge R440	PowerEdge R640	PowerEdge C6420	PowerEdge R740	PowerEdge R740xd	PowerEdge FC430	PowerEdge MX740c	PowerEdge MX740c in the PowerEdge MX5016s storage sled	PowerEdge R6415	PowerEdge R7415	PowerEdge R7425
Processor Type	Intel Xeon Gold 5118 processor	Intel Xeon Silver 4114 processor to Intel Xeon Gold 6126 processor	Intel Xeon Gold 5118 processor	Intel Xeon Silver 4114 processor to Intel Xeon Gold 6126 processor	Intel Xeon Gold 6126 processor	Intel Xeon processor E5-2670 v3 to Intel Xeon processor E5-2680 v4	Intel Xeon Gold 6130 processor (2.1 GHz, 16 cores, 23 threads, 10.4 gigatransfers per second [GT/s], 22 MB cache and 125 W, with Intel® Turbo Boost Technology and Intel Hyper-Threading Technology [Intel HT Technology])		AMD EPYC® 7351P		AMD EPYC 7351
Operating System	VMware ESXi 7.0										

Microsoft Licenses

Windows Server 2019 Operating System:
- Windows Server 2019 Datacenter edition (guest OS)

Windows Server 2019 CALs:
- Windows Server 2019 operating system user CALs
- Windows Server 2019 operating system device CALs
- Windows Server 2019 RDS user CALs
- Windows Server 2019 RDS device CALs

VMware Licenses
- vSphere Essentials Standard, Advanced, Enterprise and ROBO Enterprise
- vSAN Standard, Advanced, Enterprise and Enterprise Plus

HCI Software
- VMware HCI Kit Essentials (per-CPU) that includes vSphere Essentials and vSAN Standard
- VMware HCI Kit Standard (per-CPU) that includes vSphere Standard and vSAN Standard
- VMware HCI Kit Advanced (per-CPU) that includes vSphere Enterprise Plus and vSAN Advanced
- VMware HCI Kit Enterprise (per-CPU) that includes vSphere Enterprise Plus and vSAN Enterprise
- VMware HCI Kit with Operations Management (per-CPU) that includes vSphere Enterprise Plus and vSAN Enterprise Plus
- VMware HCI Kit ROBO Standard (per-VM) that includes vSphere ROBO Enterprise and vSAN ROBO Standard
- VMware HCI Kit ROBO Advanced (per-VM) that includes vSphere ROBO Enterprise and vSAN ROBO Advanced

Microsoft SQL Server 2019

SQL Server 2019 CALs:
- SQL Server 2019 Standard with 5 CALs
- SQL Server 2019 Standard user CALs
- SQL Server 2019 Standard device CALs

- SQL Server 2019 Standard, 4 core
- SQL Server 2019 Standard, 2 core add-on

Systems Management
- Dell EMC OpenManage Integration with Microsoft Windows Admin Center
- Dell EMC OpenManage Integration for Microsoft System Center

Support and Consulting Services
- Dell ProSupport
- Dell ProSupport and 4-hour mission critical
- Dell ProSupport Plus
- Dell ProSupport Plus and 4-hour mission critical

- Dell ProDeploy
- Dell ProDeploy with add-on for vSAN
- Dell ProDeploy Plus
- Dell ProDeploy Plus with add-on for vSAN
- Consulting services

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Microsoft

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