## Dell EMC PowerEdge OEM Quick Reference Guide

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

### Solutions built on Dell EMC™ PowerEdge™ servers powered by Intel® Xeon® Scalable processors:

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### Processor Type
- Intel Xeon E-2200 processor with up to 8 cores per processor
- Intel® Pentium® Gold G5420 processor with up to 2 cores per processor
- Intel® Core™ i3-9100 processor with up to 4 cores per processor
- Intel® Celeron® processor G4930 with up to 2 cores per processor

### Server Type and Key Workloads
- Efficient, versatile compute, good for small office/home office (SOHO) workloads
- Expandable performance for small and medium-sized business (SMB) and remote office/branch office (ROBO) applications
- High-density compute for virtualized workloads
- Scale-up compute for high-capacity software-defined storage (SDS)

### Operating System
- Windows Server 2019 Datacenter edition
- VMware ESXi™ 6.7 on flash media

### Microsoft Licenses
- 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 Remote Desktop Services (RDS) device CALs

### VMware ESXi
- VMware ESXi 6.5 on flash media
- VMware ESXi 6.5 on a Dell Boot Optimized Storage Solution (BOSS) card
- Red Hat® Enterprise Linux® (RHEL) 8.1
- RHEL for high-performance computing (HPC)
- RHEL for SAP® solutions
- RHEL Smart Management

### Linux
- SUSE® Linux Enterprise Server (SLES)
- Ubuntu® Server

### Microsoft SQL Server 2019 Standard Edition
- SQL Server 2019 Standard with 5 CALs
- SQL Server 2019 Standard with 2 CALs
- SQL Server 2019 Standard, 4 core
- SQL Server 2019 Standard, 2 core add-on

### Systems Management
- Dell EMC™ OpenManage™ integrations and connections:
  - Integrated Dell Remote Access Controller (iDRAC) and OpenManage RESTful APIs
  - OpenManage Mobile management
  - OpenManage change management

### Support and Consulting Services
- Dell ProSupport™, Dell ProSupport Plus
- Dell ProDeploy/Dell ProDeploy Plus
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<td>In-memory databases</td>
<td>Intel Xeon E-2200 processor, Intel Pentium Gold G5420 processor, Intel Core i3-9100, Intel Celeron processor G4930</td>
<td>Intel Xeon E-2200 processor with up to 28 cores per processor</td>
<td>Up to two 2nd Generation Intel Xeon Scalable processors with up to 28 cores per processor</td>
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<td><strong>Operating System</strong></td>
<td>SDS, service providers and big data servers</td>
<td>Data intensive workloads, high frequency trading (HFT) and dense virtualization</td>
<td>Graphics processing unit (GPU); database acceleration and machine learning (ML);</td>
<td>Collaboration, file sharing, databases, and mail and messaging</td>
<td>Workgroup collaboration and productivity; mail and messaging; file and print serving, web serving, database applications, and server consolidation and virtualization</td>
<td>Server virtualization; desktop virtualization; consolidation; databases; business analytics; business intelligence (BI); applications and imaging for medical, finance, education and science; enterprise resource planning (ERP); customer relationship management (CRM); HPC; software-defined technologies</td>
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## Processor Type

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<th>PowerEdge R7415</th>
<th>PowerEdge R7425</th>
<th>PowerEdge R7525</th>
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<td>1 AMD EPYC processor</td>
<td>Virtualization, business intelligence (BI) analytics and scale-out, high-capacity SDS</td>
<td>High-performance computing (HPC), virtual desktop infrastructure (VDI), cloud client computing, database-in-line analytics and scale-up software-defined environments</td>
<td>Up to 24 direct connect NVMe (NVMe™) supports for all-flash VMware vSAN™ AF-8 VMware vSAN ReadyNode™ instances; maximized storage and memory configuration option enables HPC, machine learning (ML), deep learning (DL), artificial intelligence (AI) and rendering, balanced core count and graphics processing unit (GPU) to support the maximum numbers of end users</td>
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</table>

## Server Type and Key Workloads

- Dense software-defined storage (SDS), virtualization
- Virtualization, business intelligence (BI) analytics and scale-out, high-capacity SDS
- High-performance computing (HPC), virtual desktop infrastructure (VDI), cloud client computing, database-in-line analytics and scale-up software-defined environments

## Operating System

- Microsoft Windows Server 2019
- Windows Server 2016/2012 downgrade media
- Microsoft Hyper-V
- VMware ESXi™
- VMware vSphere 6.7
- Windows Server 2012 R2
- Windows Server 2016
- Red Hat® Enterprise Linux® (RHEL)
- SUSE® Linux Enterprise Server (SLES) 15
- Canonical® Ubuntu Server LTS
- Citrix® Hypervisor
- VMware vSphere 2016 U1 (ESXi 6.5 U1)
- Dell ProSupport™/Dell ProSupport Plus
- Dell ProDeploy/Dell ProDeploy Plus
- Windows Server 2019 Datacenter edition
- Windows Server 2019 Datacenter edition with reassignment rights (16 core) OEM channel only

## Microsoft Licenses

- Primary operating system: Windows Server 2019 Standard edition
- Windows Server 2019 Datacenter edition
- 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 Standard (16 core) OEM channel only
- Windows Server 2019 Datacenter (32 core) OEM channel only
- Windows Server 2019 Datacenter with reassignment rights (16 core) OEM channel only

## VMware Licenses

- Primary operating system—VMware: ESXi 6.7 on flash media
- ESXi 5.5 on a Dell Boot Optimized Storage Solution (BOSS) card
- Additional VMware OEM options: vSphere editions, VMware vCenter editions

## Microsoft 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, OEM, additional server
- SQL Server 2019 Standard, 4 core
- SQL Server 2019 Standard, 2 core add-on

## Systems Management

- Dell EMC® OpenManage™ integrations and connections: Integrated Dell Remote Access Controller (iDRAC) and OpenManage RESTful APIs
- OpenManage Mobile management
- OpenManage-change management
- OpenManage Integration for Microsoft System Center Operations Manager
- OpenManage Integration with Microsoft Windows Admin Center
- OpenManage Integration for VMware vCenter (OMIVV)

## Support and Consulting Services

- Dell ProSupport™/Dell ProSupport Plus
- Dell ProDeploy/Dell ProDeploy Plus

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