

Dell PowerEdge™ / Microsoft Windows Server® Operating System Support (LTSC)

IMPORTANT CHANGE:

Windows Server 2022 and later versions require TPM 2.0 installed and enabled, UEFI and Secure Boot. Beginning January 1st, 2021 all newly released PowerEdge servers have TPM 2.0 offered by default. Dell strongly recommends that customers include TPM 2.0 with initial server purchase.

Starting with Windows Server 2022 and later versions, the Essential Edition is a processor-core based license. It includes maximum of 10-cores, 25/50 User and Device CALs and is available on 1-socket servers only.

OpenManage Server Administrator (OMSA) version OM 10.2 is fully supported on Windows Server 2022, Windows Server 2019 and Windows Server 2016.

OMSA has reached its End of Life and is now in sustenance mode. It has been replaced by iDRAC with the iDRAC Service Module (iSM)

iDRAC Service Module 5.4.0.0 is supported on Windows Server 2025, 2022, 2019 OSes, see https://www.dell.com/support/kbdoc/en-us/000205512/target-revisions-and-runtime#iSM_iDRAC_Service_Module

Dell defines Operating System support levels for platform and release combination

Qualified: Dell™ Engineering has successfully tested, validated and certified the Operating System version on Dell PowerEdge™ Servers. Dell adheres to all published partner test plans to ensure Operating System compatibility and provides full technical support for the Dell hardware components running on the Operating System. Dell Qualified systems have OpenManage support.

Note for Windows users:

Certified for Windows®: This system meets Microsoft standards for compatibility and best practices with the Windows Server® operating system

For more information regarding this certification, see <http://www.windowsservercatalog.com/content.aspx?ctf=logo.htm>.

Beginning Windows Server 2016 and later versions follows processor-core based licensing model.

Supported: Dell Engineering has successfully tested and validated only the current operating system version on Dell PowerEdge Servers. Dell adheres to all published partner test plans to ensure operating system compatibility and provides full technical support for the Dell hardware components running on the operating system. Dell Supported systems may not have OpenManage support.

Limited: Dell PowerEdge servers™ support of the operating system (OS) is limited to a virtual environment as a guest OS. Please contact the software vendor for additional support or questions about running the OS in a virtualized environment.

Windows OS support lifecycles: <https://learn.microsoft.com/en-us/lifecycle/products/>

EOS (End of Sales/Distribution/FI)

Beginning RTS through next 4yrs, The qualified OSes are fully tested, validated and certified by Dell on PowerEdge Servers. Downgrade support of the respective OSes will end along with the EOS.

EOMS (End of Mainstream Support)

Mainstream support is offered for 2yrs after the EOS. During this period, Dell will limit the support providing security updates, bug fixes for the existing drivers and firmwares on case to case basis. No feature updates are offered. Dell will abide by the same policy for this OS with downgrade offerings. In case of any device driver issues, where a refresh is required, drivers can be recertified for 10 years from the RTS date.

EOES (End of Extended Support)

Extended support is offered for 5yrs after the EOMS. Regardless of the OS version, if the platform is being supported by Dell, we will provide security updates for the OS versions running on the respective platform. Any quality and product fixes will be available directly from Microsoft for a fee for this 5-year period.

Third-Party Supported: All testing, support and validation on select or all Dell platforms are done by the OS partner or community. Dell collaborates with the OS third-party either via onsite engineering or other support.

This OS version has not been fully tested or validated by Dell. Dell system management and OpenManage support will not be provided.

Notes:

- Blank cells indicate no support.
- Microsoft has discontinued Foundation edition starting with Windows Server 2016
- Windows Server Recovery Image in ISO format is available for download from Dell Digital Locker but it does not include product keys or COA. Those are included with your purchase of Windows Server OEM or qualified downgrade kit option.

** Platform discontinued

*** Per updates in Microsoft's Silicon Support Policy, Windows Server 2012R2 is no longer supported on those platforms with new generation processors. For more information see:

1. <https://learn.microsoft.com/troubleshoot/windows-client/deployment/processor-not-supported-together-with-windows-version>
2. [Microsoft Windows Processor Requirement](#) under **"Windows Server Processors"**

(1) Secure core support is from 15G and above servers (Intel Icelake, Rocket Lake and above CPU's; AMD Milan and above CPU's).

- Not supported on AMD servers R6515 and R7515.
- Not supported for Intel Rocket Lake CPU based servers (R350, R250, T350 & T150), this is due to business reason we haven't enabled.

(2) X2APIC is supported with Windows Server 2019 onwards. For more information on Microsoft OS support for EPYC 7xx2 see:

<https://learn.microsoft.com/troubleshoot/windows-server/deployment/windows-server-support-installation-for-amd-rome-family-processor>

(3) Minimum build required for new enablements for EPYC Gen 2 based platforms:

- (3.1) Windows Server 2019 (version 1809, build 17763.774; - September 24, 2019—KB4516077)
- (3.2) Windows Server 2016 (version 1607, build 14393.1884; - November 14, 2017—KB4048953)

(4) Cascade Lake based servers are not certified nor supported with Windows Server 2012R2; Windows Server 2012R2 will be supported in VM only.

(5) Platform with CPU Update (EPYC Gen 3); released in March, 2021.

(6) Beginning Feb 2022, no new drivers will be released for Windows Server 2016.

(7) Windows Server 2025 and 2022 Essentials is available on single (1) socket servers with 10-core processors or less.

(8) Windows Server 2025 is not available as a factory-installed OS. Customers will need to obtain the OS image directly from Microsoft and complete the installation process. WS2025 Drivers are provided online.

(9) Intel GNR CPU based platform. Windows Server OS is not enabled on SRF CPUs.

PowerEdge Server Model	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2025 (LTSC)	Essentials Edition (10-core)	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2022 (LTSC)	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2019 (LTSC)
				Support Level				Support Level				Support Level
R770 (9)		✓	✓	Qualified		✓	✓	Qualified				
R670 (9)		✓	✓	Qualified		✓	✓	Qualified				
R570 (9)		✓	✓	Qualified		✓	✓	Qualified				
R470 (9)		✓	✓	Qualified		✓	✓	Qualified				
R7725		✓	✓	Qualified		✓	✓	Qualified				
R6725		✓	✓	Qualified		✓	✓	Qualified				
R7715		✓	✓	Qualified		✓	✓	Qualified				
R6715		✓	✓	Qualified		✓	✓	Qualified				
C6615		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
C6620		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
MX760c		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R360	✓	✓		Qualified (7)	✓	✓		Qualified (7)	✓	✓		Qualified
R260	✓	✓		Qualified (7)	✓	✓		Qualified (7)	✓	✓		Qualified
R660xs		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R660		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R6615		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R6625		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R760		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R760xs		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R760xa		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R760xd2		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R860		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R7615		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R7625		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
R960		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
T160	✓	✓		Qualified (7)	✓	✓		Qualified (7)		✓	✓	Qualified
T560		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
T360	✓	✓		Qualified (7)	✓	✓		Qualified (7)	✓	✓		Qualified
XR7620		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
XR5610		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
HS5610		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
HS5620		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified
HS5620		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified

PowerEdge Server Model	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2025 (LTSC)	Essentials Edition (10-core)	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2022 (LTSC)	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2019 (LTSC)	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Windows Server 2016 (LTSC)
				Support Level				Support Level				Support Level				Support Level
C6520						√	√	Qualified		√	√	Qualified		√	√	Qualified
C6525						√	√	Qualified		√	√	Qualified				
MX750c						√	√	Qualified		√	√	Qualified		√	√	Qualified
R250					√	√		Qualified (7)	√	√		Qualified				
R350					√	√		Qualified (7)	√	√		Qualified				
R450		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified		√	√	Qualified
R550		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified		√	√	Qualified
R650		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified		√	√	Qualified
R650xs						√	√	Qualified		√	√	Qualified		√	√	Qualified
R6515		√	√	Qualified (8)	√	√	√	Qualified (5, 7)		√	√	Qualified (5, 7)		√	√	Qualified (5, 7)
R6525		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified		√	√	Qualified
R750		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified		√	√	Qualified
R750xa						√	√	Qualified		√	√	Qualified		√	√	Qualified
R750xs						√	√	Qualified		√	√	Qualified		√	√	Qualified
R7515					√	√	√	Qualified (5, 7)		√	√	Qualified (5, 7)		√	√	Qualified (5, 7)
R7525		√	√	Qualified (8)		√	√	Qualified (5)		√	√	Qualified (5)		√	√	Qualified (5)
T150					√	√		Qualified	√	√		Qualified				
T350					√	√		Qualified	√	√		Qualified				
T550						√	√	Qualified		√	√	Qualified		√	√	Qualified
XR11						√	√	Qualified		√	√	Qualified		√	√	Qualified
XR12						√	√	Qualified		√	√	Qualified		√	√	Qualified
XR4000		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified				
XR4510c		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified				
XR4520c		√	√	Qualified (8)		√	√	Qualified		√	√	Qualified				

*** Note: Almost all 14G platforms have reached End of Life and are discontinued.

PowerEdge Server Model	Windows Server 2022 (LTSC)				Windows Server 2019 (LTSC)				Windows Server 2016 (LTSC)				Windows Server 2012					
	Essentials Edition (10-core)	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Support Level	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Support Level	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Support Level	Foundation Edition	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	R2 w/Hyper-v	Server 2012 w/Hyper-v
DSS8440***						✓	✓											
C4140***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified						
C6420***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
FC640***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
M640***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
M640p***		✓	✓	Qualified		✓	✓	Qualified				Qualified						
MX740c***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
MX840c***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R240 ***	✓	✓		Qualified	✓	✓			✓	✓							Qualified	
R340***	✓	✓		Qualified	✓	✓		Qualified	✓	✓		Qualified					Qualified	
R440***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R540***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R640		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R6415***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R740		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R740xd***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R740xd2***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified						
R7415***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified	Qualified		✓	✓	Qualified	
R7425***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R840***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R940		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
R940xa***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
T140***	✓	✓		Qualified	✓	✓			✓	✓							Qualified	
T40***					✓	✓			✓	✓								
T340***	✓	✓		Qualified	✓	✓			✓	✓							Qualified	
T440***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
T640***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified			✓	✓	Qualified	
XE2420***		✓	✓	Qualified				Qualified				Qualified						
XE7420***		✓	✓	Qualified		✓	✓	Qualified				Qualified						
XE7440***		✓	✓	Qualified		✓	✓	Qualified				Qualified						
XE8545***		✓	✓	Qualified		✓	✓	Qualified		✓	✓	Qualified						
XR2***						✓	✓			✓	✓							

*** 13G and older discontinued platforms

PowerEdge Server Model	Windows Server 2019 (LTSC)				Windows Server 2016 (LTSC)				Windows Server 2012				Support Level	
	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Support Level	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	Support Level	Foundation Edition	Essentials Edition	Standard Edition w/Hyper-V	Datacenter Edition w/Hyper-V	R2 w/Hyper-V	Server 2012 w/Hyper-V
C4130		✓	✓			✓	✓				✓	✓	Qualified	Qualified
C6320		✓	✓			✓	✓				✓	✓	Qualified	Qualified
FC430		✓	✓			✓	✓				✓	✓	Qualified	Qualified
FC630		✓	✓			✓	✓				✓	✓	Qualified	Qualified
FC830		✓	✓			✓	✓				✓	✓	Qualified	Qualified
M630		✓	✓			✓	✓				✓	✓	Qualified	Qualified
M830		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R230	✓	✓			✓	✓			✓	✓	✓		Qualified	Qualified
R330	✓	✓			✓	✓				✓	✓		Qualified	Qualified
R430		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R530		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R530xd**											✓	✓	Qualified	Qualified
R630		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R730		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R730xd		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R830		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R930		✓	✓			✓	✓				✓	✓	Qualified	Qualified
T30					✓	✓			✓	✓	✓		Qualified	Qualified
T330	✓	✓			✓	✓				✓	✓		Qualified	Qualified
T430		✓	✓			✓	✓				✓	✓	Qualified	Qualified
T630		✓	✓			✓	✓				✓	✓	Qualified	Qualified
R815			✓	✓	Qualified	Qualified		M820			✓	✓	Qualified	Qualified
R820			✓	✓	Qualified	Qualified		M905			✓	✓		Supported
R900			✓	✓		Limited		M910			✓	✓	Qualified	Qualified
R905v			✓	✓		Supported		M915			✓	✓	Qualified	Qualified
R910			✓	✓	Qualified	Qualified		PE1800						
R920			✓	✓	Qualified	Qualified		PE1850						
SC1430								PE1855MC						
SC1435			✓			Supported		PE1900			✓			Supported
SC440								PE1950			✓	✓		Supported

PowerEdge Server Model	WS 2012					Server 2012	
	Foundatic	Essentials	Standard w/Hyper- V	Datacenter er w/Hyper- V	R2 w/Hyper- V	w/Hyper-V	
					Support Level		
T100	√		√				Supported
T105			√				Supported
T110	√		√		Qualified	Qualified	
T110 II	√		√		Qualified	Qualified	
T20	√	√	√		Qualified	Qualified	
T30	√	√	√		Qualified	Qualified	
T300			√				Supported
T310		√	√		Qualified	Qualified	
T320		√	√		Qualified	Qualified	
T410			√	√	Qualified	Qualified	
T420			√	√	Qualified	Qualified	
T605			√				Supported
T610			√	√	Qualified	Qualified	
T620			√	√	Qualified	Qualified	
T710			√	√	Qualified	Qualified	
C1100							
C2100							
C5125							
C5220			√	√	Qualified	Qualified	
C6100							
C6105			√	√	Qualified	Qualified	
C6145			√	√	Qualified	Qualified	
C6220			√	√	Qualified	Qualified	
C6220II			√	√	Qualified	Qualified	
C6320			√	√	Qualified	Qualified	
C8220			√	√		Qualified	
FM120x4	√		√		Qualified	Qualified	
FM120x4	√		√		Qualified	Qualified	
M420			√	√	Qualified	Qualified	
M520			√	√	Qualified	Qualified	
M600			√	√			Supported
M605			√	√			Supported
M610			√	√	Qualified	Qualified	
M610X			√	√	Qualified	Qualified	
M620			√	√	Qualified	Qualified	
M710			√	√	Qualified	Qualified	
M710HD			√	√	Qualified	Qualified	
M805			√	√			Supported

PowerEdge Server Model	WS 2012					Server 2012	
	Foundatic	Essentials	Standard w/Hyper- V	Datacenter er w/Hyper- V	R2 w/Hyper- V	w/Hyper-V	
					Support Level		
PE1950			√	√			Supported
PE1955MC			√	√			Supported
PE2800							
PE2850							
PE2900			√	√			Supported
PE2900			√	√			Supported
PE2950			√	√			Supported
PE2950			√	√			Supported
PE2970			√	√			Supported
PE6800							
PE6850							
PE6850-800T							
PE6950			√	√			Supported
PE830							
PE840							
PE850							
PE860							
R200	√		√				Supported
R210	√		√			Qualified	Qualified
R210 II	√	√	√			Qualified	Qualified
R220	√	√	√			Qualified	Qualified
R300			√				Supported
R310		√	√			Qualified	Qualified
R320		√	√			Qualified	Qualified
R410			√	√		Qualified	Qualified
R415			√	√		Qualified	Qualified
R420			√	√		Qualified	Qualified
R510			√	√		Qualified	Qualified
R510			√	√		Qualified	Qualified
R515			√	√		Qualified	Qualified
R520			√	√		Qualified	Qualified
R610			√	√		Qualified	Qualified
R620			√	√		Qualified	Qualified
R710			√	√		Qualified	Qualified
R715			√	√		Qualified	Qualified
R720			√	√		Qualified	Qualified
R805v			√	√			Supported
R810			√	√		Qualified	Qualified