

VMware ESXi vMotion Support on Dell EMC PowerEdge Servers Compatibility Matrix

Dell EMC Engineering

October 2021

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Rev. A11

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This document lists the VMware vMotion compatibility matrices for VMware ESXi on Dell EMC PowerEdge systems with supported processor models.

Dell EMC-Supported PowerEdge systems and processor compatibility matrix

The following table lists the compatibility matrix for the Dell EMC-supported PowerEdge systems and Intel processors.

Table 1: Dell EMC-Supported PowerEdge systems and processor compatibility matrix

PowerEdge System	Processor Models																														
	Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx)	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx)	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7 4800 v2 /8800 v2 series	Intel Xeon E5-4600 v2 series	Intel Xeon E5-4600 series	Intel Xeon E5-2600 v2 series	Intel Xeon E5-2600 series	Intel Xeon E5-2400 v2 series	Intel Xeon E5-2400 series	Intel Xeon E5-1400 v2 series	2nd Gen Intel Core i3 series	Intel Xeon E7- 2800/4800/8800 series	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series	
T710	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
T640	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x
T630	x	x	x	✓	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T620	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T610	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x
T440	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T550	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T430	x	x	x	✓	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T420	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T340	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x
T330	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	✓	x	x
T320	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x
T140	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x
T130	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x
R940	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R940xa	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R930	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R920	x	x	x	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R910	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	✓	x	x	x	x	x	x	x	x	x
NOTE: PowerEdge R910 system does not support Intel Xeon E7-2800 Series. PowerEdge R930 system does not support Intel Xeon E7-2800 v3 Series. PowerEdge R930 system does not support Intel Xeon E7-2800 v4 Series.																															
R840	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R830	x	x	x	x	✓	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R820	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
R810	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	✓	x	x	x	x	x	x	x	x	x

PowerEdge System	PowerEdge System																																				
	Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx)	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx)	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7 4800 v2 /8800 v2 series	Intel Xeon E5-4600 v2 series	Intel Xeon E5-4600 series	Intel Xeon E5-2600 v2 series	Intel Xeon E5-2600 series	Intel Xeon E5-2400 v2 series	Intel Xeon E5-2400 series	Intel Xeon E5-1400 v2 series	2nd Gen Intel Core i3 series	Intel Xeon E7- 2800/4800/8800 series	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series							
	XR12	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
	XR11	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R450	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
R550	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R650xs	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R750xs	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R750	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R750xa	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
R650	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
MX750	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
C6520	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R740xd	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R740xd2	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R730xd	x	x	x	✓	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R720xd	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R740	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R730	x	x	x	✓	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R720	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R710	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x		
R640	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
R630	x	x	x	✓	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R620	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R610	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	
R540	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R530	x	x	x	✓	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R520	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R440	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R430	x	x	x	✓	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R420	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R340	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R330	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R320	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
R240	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	
R230	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	
R220	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
M910	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	
MX840c	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
M830	x	x	x	x	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M830 (for VRTX)	x	x	x	x	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M820	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M820 (for VRTX)	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MX740c	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
M710HD	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	
M710	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	
M640	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
M640 (for VRTX)	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

PowerEdge System	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx)	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx)	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7 4800 v2 /8800 v2 series	Intel Xeon E5-4600 v2 series	Intel Xeon E5-4600 series	Intel Xeon E5-2600 v2 series	Intel Xeon E5-2600 series	Intel Xeon E5-2400 v2 series	Intel Xeon E5-2400 series	Intel Xeon E5-1400 v2 series	2nd Gen Intel Core i3 series	Intel Xeon E7- 2800/4800/8800 series	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series	
M630	x	x	✓	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M630 (for VRTX)	x	x	✓	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M620	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M620 (for VRTX)	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M610x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x
M610	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x
M520	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M520 (for VRTX)	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
M420	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FC830	x	x	x	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FC640	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FC630	x	x	✓	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
FC430	x	x	✓	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Legend

- ✓ - Supported processor
- x - Not supported processor

The following table lists the compatibility matrix for the Dell EMC-supported PowerEdge systems and AMD processors.

Table 2: Dell EMC-Supported PowerEdge system and AMD processor compatibility matrix

PowerEdge System	AMD EPYC 7xx3 series	AMD EPYC 7XX2 series	AMD EPYC 7XX1 series	AMD Opteron 6300	AMD Opteron 6200	AMD Opteron 6100	AMD Opteron 4300	AMD Opteron 4200	AMD Opteron 4100
R815	x	x	x	✓	✓	✓	x	x	x
R7525	✓	✓	x	x	x	x	x	x	x
R7515	✓	✓	x	x	x	x	x	x	x
R7425	x	x	✓	x	x	x	x	x	x
R7415	x	x	✓	x	x	x	x	x	x
R715	x	x	x	✓	✓	✓	x	x	x
R6525	✓	✓	x	x	x	x	x	x	x
R6515	✓	✓	x	x	x	x	x	x	x
R6415	x	x	✓	x	x	x	x	x	x
R515	x	x	x	x	x	x	✓	✓	✓
R415	x	x	x	x	x	x	✓	✓	✓
M915	x	x	x	✓	✓	✓	x	x	x
C6525	✓	✓	x	x	x	x	x	x	x

Legend

- ✓ - Supported processor
- x - Not supported processor

Dell EMC-Supported processor compatibility matrix

The following table lists the Dell EMC-supported Intel processor matrix across 32-bit and 64-bit virtual machines (VMs) that can enable vMotion.

Table 3: vMotion and 32-bit and 64-bit VM compatibility matrix across Intel processor models

Intel Processors	Intel Xeon SP (83xx,63xx,53xx,43xx) series	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7-4800 v2/8800 v2 series	Intel Xeon E5-2600 v2 /2400 v2/ E5-4600 v2/ 1400 v2series	Intel Xeon E5-2400/2600/4600 series a b	Intel Xeon E7-2000/4800/8800 series a	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series ^b	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series	2nd Gen Intel Core i3 series
Intel Xeon SP (83xx,63xx,53xx,43xx) series	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Intel Xeon E5-2600 v4 series	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x
Intel Xeon E5-4600 v4 series	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x
Intel Xeon E7-8800/4800 v34series	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x
Intel Xeon E7-8800/4800 v3 series	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x
Intel Xeon E5-4600 v3 series	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Intel Xeon E5-2600 v3 series	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x
Intel Xeon E7-4800 v2/8800 v2 series	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Intel Processors	Intel Xeon SP (83xx, 63xx, 53xx, 43xx) series	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7-4800 v2/8800 v2 series	Intel Xeon E5-2600 v2 /2400 v2/ E5-4600 v2/ 1400 v2series	Intel Xeon E5-2400/2600/4600 series a b	Intel Xeon E7-2000/4800/8800 series a	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series ^b	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series	2nd Gen Intel Core i3 series
Intel Xeon E5-2600 v2/2400 v2/1400 v2 series	x	x	x	x	x	x	x	x	x	✓	✓	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Intel Xeon E5-2400/2600/4600 series ^{a b}	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x
Intel Xeon E7-2800/4800/8800 series ^a	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x
Intel Xeon 7500 series	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	x	✓	x	x	x	x	x	x	x	x	x
Intel Xeon 6500 series	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	x	x	x	x	x	x	x	x	x	x	x
Intel Xeon 5600 series	x	x	x	x	x	x	x	x	x	x	x	✓	✓	x	x	✓	x	x	x	x	x	x	x	x	x	x
Intel Xeon 5500 series	x	x	x	x	x	x	x	x	x	x	x	x	✓	✓	✓	x	✓	x	x	x	x	x	x	x	x	x
Intel Xeon E-2100 Series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x
Intel Xeon E-2200 Series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x	x	x	x
Intel Xeon E3-1200 v6 series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x	x	x
Intel Xeon E3-1200 v5 series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x	x
Intel Xeon E3-1200 v3 series	x	x	x	x	x	x	x	x	✓	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x	x	x

Intel Processors	Intel Xeon SP (83xx, 63xx, 53xx, 43xx) series	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	Intel Xeon E5-2600 v4 series	Intel Xeon E5-4600 v4 series	Intel Xeon E7-8800/4800 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E7-4800 v2/8800 v2 series	Intel Xeon E5-2600 v2 /2400 v2/ E5-4600 v2/ 1400 v2series	Intel Xeon E5-2400/2600/4600 series a b	Intel Xeon E7-2000/4800/8800 series a	Intel Xeon 7500 series	Intel Xeon 6500 series	Intel Xeon 5600 series ^b	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series	Intel Xeon E3-1200 v3 series	Intel Xeon E3-1200 v2 series	Intel Xeon E3-1200 series	2nd Gen Intel Core i3 series
Intel Xeon E3-1200 v2 series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x	x
Intel Xeon E3-1200 series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	✓	x
2nd Gen Intel Core i3 series	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

- ^a - vMotion between Intel Xeon E5-2400/2600/4600 series and Intel Xeon E7-2800/4800/8800 series works only if the VM is powered-on host with processor Intel Xeon E7-2800/4800/8800 series.
- ^b - vMotion between Intel Xeon E5-2400/2600/4600 series and Intel Xeon 5600 series works only if the VM is powered-on host with processor Intel Xeon 5600 series.

Legend

- ✓ vMotion works for 32-bit or 64-bit VMs between the corresponding processor models
- x vMotion fails because of processor incompatibility

The following table lists the Dell EMC-supported AMD processor matrix across 32-bit and 64-bit VMs that support vMotion.

Table 4: vMotion and 32-bit and 64-bit VM compatibility matrix across AMD processor models

AMD Opteron Processors	AMD EPYC 7xx3 series	AMD EPYC 7XX2 series	AMD EPYC 7XX1 series	AMD Opteron 6300series	AMD Opteron 6200series	AMD Opteron 6100series	AMD Opteron 4300series	AMD Opteron 4200series	AMD Opteron 4100series
AMD EPYC 7xx3 series	✓	x	x	x	x	x	x	x	x
AMD EPYC 7XX2 series	x	✓	x	x	x	x	x	x	x
AMD EPYC 7XX1 series	x	x	✓	x	x	x	x	x	x
AMD Opteron 6300series	x	x	x	✓	x	x	✓	x	x
AMD Opteron 6200series	x	x	x	x	✓	x	x	✓	x
AMD Opteron 6100series	x	x	x	x	x	✓	x	x	✓
AMD Opteron 4300series	x	x	x	✓	x	x	✓	x	x
AMD Opteron 4200series	x	x	x	x	✓	x	x	✓	x
AMD Opteron 4100series	x	x	x	x	x	✓	x	x	✓

Legend

- ✓ vMotion works for 32-bit or 64-bit VMs between the corresponding processor models
- x vMotion fails because of processor incompatibility

Dell EMC-Supported processor compatibility matrix with enhanced vMotion

The following table lists the compatibility matrix across 32-bit and 64-bit VMs based on Intel processor models that enable enhanced vMotion.

NOTE: For more information about vMotion requirements, see the [Important Information](#).

Table 5: Enhanced vMotion and 32/64-bit VM compatibility matrix across Intel processor models

Intel Processor s	Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	Intel Xeon E5-2600 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E74800/8800 v2 series ^c	Intel Xeon E5-2600 v2/2400 v2/1400 v2 series ^c	Intel Xeon E5-2400/2600/4600 series	Intel Xeon E7-2800/4800/8800 series	Intel Xeon 7500 series	Intel Xeon 5600 series	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series ^c	Intel Xeon E3-1200/1200 v2/1200 v3 series ^c
Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E5-2600 v4 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E7-8800/4800 v3 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E5-4600 v3 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E5-2600 v3 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E7-4800/8800 v2 series ^c	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E5-2600 v2/2400 v2/1400 v2 series ^c	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E5-2400/2600/4600 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E7-2800/4800/8800 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Intel Processors	Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	Intel Xeon SP (82xx, 62xx, 52xx, 42xx, 32xx) series	Intel Xeon SP (81xx, 61xx, 51xx, 41xx, 31xx) series	Intel Xeon E5-2600 v4 series	Intel Xeon E7-8800/4800 v3 series	Intel Xeon E5-4600 v3 series	Intel Xeon E5-2600 v3 series	Intel Xeon E74800/8800 v2 series ^c	Intel Xeon E5-2600 v2/2400 v2/1400 v2 series ^c	Intel Xeon E5-2400/2600/4600 series	Intel Xeon E7- 2800/4800/8800 series	Intel Xeon 7500 series	Intel Xeon 5600 series	Intel Xeon 5500 series	Intel Xeon E-2100 Series	Intel Xeon E-2200 Series	Intel Xeon E3-1200 v6 series	Intel Xeon E3-1200 v5 series ^c	Intel Xeon E3-1200/1200 v3 series	2nd Gen Intel Core i3 series
Intel Xeon SP (83xx, 63xx, 53xx, 43xx)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon 7500 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon 6500 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon 5600 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon 5500 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E-2100 Series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E-2200 Series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E3-1200 v6 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E3-1200 v5 series ^c	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intel Xeon E3-1200/1200 v3 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2nd Gen Intel Core i3 series	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

^c - Ensure that Virtual Machine hardware version is greater than 8.

Legend

- ✓ vMotion works for 32-bit or 64-bit VMs between the corresponding processor models

The following table lists the compatibility matrix across 32-bit and 64-bit VMs based on AMD processor models that enable Enhanced vMotion.

Table 6: Enhanced vMotion and 32/64-bit VM compatibility matrix across AMD processor models

AMD Opteron Processors	AMD EPYC 7xx3 series	AMD EPYC 7XX2 series	AMD EPYC 7XX1 series	AMD Opteron 6300 series	AMD Opteron 6200 series	AMD Opteron 6100 series	AMD Opteron 4300 series	AMD Opteron 4200 series	AMD Opteron 4100 series
AMD EPYC 7xx3 series	✓	✓	✓	x	x	x	x	x	x
AMD EPYC 7XX2 series	✓	✓	✓	✓	✓	✓	✓	✓	✓
AMD EPYC 7XX1 series	✓	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 6300 series	x	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 6200 series	x	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 6100 series	x	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 4300 series	x	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 4200 series	x	✓	✓	✓	✓	✓	✓	✓	✓
AMD Opteron 4100 series	x	✓	✓	✓	✓	✓	✓	✓	✓

Legend

- ✓ vMotion works for 32-bit or 64-bit VMs between the corresponding processor models

Important Information

- For general information about VMware vMotion, see *VMware vMotion and CPU Compatibility Information Guide* at vmware.com.
- vMotion compatibility depends on the model and stepping of the processor involved. It does not depend on the model of the PowerEdge system or the speed of the processor. Table 3 through Table 6 illustrate vMotion compatibility with respect to processors. For more processor-specific information, refer to the *knowledge base (KB) articles 1991, 1992, and 1993* at kb.vmware.com.
- For more information about Enhanced vMotion Compatibility (EVC) processor support, refer to the *VMware Knowledge Base article 1003212*.
- To determine if the processor support exists in a specific ESXi release, see the specific Systems Compatibility Guide at vmware.com/support/pubs.
- Each PowerEdge system model listed in Table 1 and Table 2 includes all currently supported processor models.
- When you migrate between certain processor models, turn off the NX bit on the VMware vSphere Client interface.
- Perform the following steps to turn off the NX bit:
 - Right-click **Virtual Machine** and select **Edit Settings**→ **Options**→ **Advanced Settings**.
 - Select the **Hide the NX flag from guest** option.
The NX bit is now turned off.
- VT must be enabled to run 64-bit guest operating systems on Intel platforms. For more information about 64-bit guest operating system vMotion compatibility, see Table 3 through Table 6.
- Create consistent virtual switch names on each ESXi host.
- vMotion requires the setup of a Gigabit Ethernet migration network between all copies of ESXi. Dell EMC recommends isolating this network from other production network traffic.

Getting help

Related information

NOTE: For Dell EMC VMware documentation, see Dell.com/virtualizationsolutions.

NOTE: For OpenManage documentation, see Dell.com/openmanagemanuals.

NOTE: For all Dell EMC PowerEdge documentation, go to Dell.com/poweredgemanuals and enter the Service Tag of your system to get your system documentation.

Your product documentation at Dell.com/virtualizationsolutions includes the following:

For information about	Refer
Basic configuration information for running ESXi for a PowerEdge system.	<i>VMware vSphere for Dell EMC PowerEdge Systems Getting Started Guide</i>
Resolutions for known issues and defects	<i>VMware vSphere for Dell EMC PowerEdge Systems Release Notes</i>
Installation Instructions and Important Information	<i>VMware ESXi 6.0 for Dell EMC PowerEdge Systems Installation Instructions and Important Information Guide</i>
vSphere support matrix for Dell EMC hardware and software running ESXi	<i>VMware vSphere for Dell EMC PowerEdge Systems Compatibility Matrix</i>
List of components integrated in Dell EMC Customized ESXi Images	<i>VMware ESXi for Dell EMC PowerEdge Systems Image Customization Information</i>

Contacting Dell EMC

Dell EMC provides several online and telephone-based support and service options. If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell EMC product catalog. Availability varies by country and product, and some services may not be available in your area. To contact Dell EMC for sales, technical support, or customer-service issues:

1. Go to Dell.com/support.
2. Select your country from the drop-down menu on the lower right of the page.
3. For customized support:
 - a. Enter your system Service Tag in the Enter your **Service Tag** box.
 - b. Click **Submit**.The support page that lists the various support categories is displayed.
4. For general support:
 - a. Select your product category.
 - b. Select your product segment.
 - c. Select your product.The support page that lists the various support categories is displayed.
5. For contact details of Dell EMC Global Technical Support:
 - a. Click [Global Technical Support](#).
 - b. The **Contact Technical Support** page is displayed with details to call, chat, or email the Dell EMC Global Technical Support team.