

VxRail 4.0.x Support Matrix

VxRail version 4.0.x E, G, P, S, and V Series appliances
powered by Dell EMC PowerEdge server platforms

VxRail Engineering
August 2020

Notes, cautions, and warnings



NOTE: A note indicates important information that helps you make better use of your computer.



CAUTION: A caution indicates either potential damage to hardware or loss of data and tells you how to avoid the problem



Warning: A warning indicates a potential for property damage, personal injury, or death.

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1 Edit History

Version	Date	Description
A03	10-Aug-20	Corrected and updated several links
A02	17-Apr-2020	Updated the Reference section. Minor updates and reformatting to the supported drives information.
A01	5-Mar-2020	Initial release. This support matrix was created by separating ESXi 6.0.x information from the previous VxRail Support Matrix into its own document. Added a Reference section; Added VxRail 4.0.603 / ESXi 6.0 EP25

2 Introduction

This document provides information about supported software, firmware, and hardware versions for the VxRail appliance

NOTE: This Firmware Support Matrix contains the latest compatibility and interoperability information. If you observe inconsistencies between this information and other VxRail appliance documentation or references, this document supersedes all other documentation.

3 References

Useful links are listed here.

1. ESSM (DellEMC Simple Support Matrix) for Dell EMC VxRail

https://elabnavigator.emc.com/vault/pdf/EMC_VXRAIL_APPLIANCE.pdf

2. VxRail Support Matrices

Document	Location
VxRail G410 Support Matrix	https://support.emc.com/docu91492
VxRail 4.0.x Support Matrix	https://support.emc.com/docu97640
VxRail 4.5.x Support Matrix	https://support.emc.com/docu97737
VxRail 4.7.x Support Matrix	https://support.emc.com/docu97738
VxRail E, G, P, S, V Series Support Matrix (Original)	https://support.emc.com/docu82227

3. VxRail Appliance Release Notes

Document	Location
VxRail Appliance Software 4.0.x Release Notes	https://support.emc.com/docu80740
VxRail Appliance Software 4.5.x Release Notes	https://support.emc.com/docu86659
VxRail Appliance Software 4.7.x Release Notes	https://support.emc.com/docu91467

4 VxRail rules

This section contains consideration rules when using VxRail appliances.

Table 1 VxRail appliance rules

Information	Description
Minimum number of VxRail nodes in a cluster Exception: specific 2-node vSAN configurations with a witness Exception: For 4.0.x and 4.5.x releases below 4.5.150; the first four(4) nodes of any cluster must be homogeneous, and the configurations must match	3
Maximum number of VxRail nodes in a cluster: For releases before 4.0.400/4.5.101/4.7.000, any configuration greater than 32 nodes will require a request for product qualification (RPQ)	64
All nodes in a cluster must run the same version of VxRail software	✓
Hybrid and All-Flash nodes cannot be mixed in the same cluster	✓
Maximum of 8 nodes when only using a 1 GbE network	✓
10GbE and 1GbE networks cannot both be used for VSAN traffic	✓
10GbE and 25GbE networks cannot both be used for VSAN traffic	✓

5 Supported appliance configurations

Table 2 Supported appliance configurations

13G Platforms

Model	Configuration	Chassis
VxRail E460	Hybrid	10 x 2.5" drive slots
VxRail E460F	All Flash	10 x 2.5" drive slots
VxRail P470	Hybrid	16 x 2.5" drive slots
VxRail P470F	All Flash	16 x 2.5" drive slots
VxRail V470	Hybrid	16 x 2.5" drive slots
VxRail V470F	All Flash	16 x 2.5" drive slots
VxRail S470	Hybrid	12 x 3.5" and 2 x 2.5" drive slots

14G Platforms

Model	Configuration	Chassis
VxRail G560	Hybrid	24 x 2.5" drive slots
VxRail G560/F	All Flash	24 x 2.5" drive slots
VxRail E560	Hybrid	10 x 2.5" drive slots
VxRail E560F	All Flash	10 x 2.5" drive slots
VxRail E560N	All-NVMe	10 x 2.5" drive slots
VxRail P570	Hybrid	24 x 2.5" drive slots
VxRail P570F	All Flash	24 x 2.5" drive slots
VxRail V570	Hybrid	24 x 2.5" drive slots
VxRail V570F	All Flash	24 x 2.5" drive slots
VxRail S570	Hybrid	12 x 3.5" and 2 x 2.5" drive slots
VxRail P580N	All-NVMe	24 x 2.5" drive slots

1. E = E Series platforms (1U, VxRail branded Dell R630 for 13G, R640 for 14G)
2. P = P Series platforms (2U, VxRail branded Dell R730 for 13G, R740xd for 14G, R840 for 14G)
3. V = V Series platforms, includes GPUs (2U, VxRail branded Dell R730 for 13G, R740xd for 14G)
4. S = S Series platforms, 3.5" HDD (2U, VxRail branded Dell R730 for 13G, R740xd for 14G)
5. G = G Series platforms (2U/4N, VxRail branded Dell C6420 for 14G)

6 VxRail 4.0.x with ESXi 6.0 supported firmware and drivers

6.1 4.0 / 6.0 P03 → 4.0.300 / 6.0 P05

ESXi	6.0 P03		6.0 U3		6.0 EP07a		6.0 P05	
vSAN	6.2		6.2		6.2		6.2	
VxRail	4.0		4.0.132		4.0.200		4.0.300	
BIOS	2.2.5		2.2.5 2.4.3		2.2.5 2.4.3		2.2.5 2.4.3	
HBA	FW	Driver	FW	Driver	FW	Driver	FW	Driver
HBA330 Mini	9.17.20.07	10.00.03.00	9.17.20.07	10.00.03.00	9.17.20.07	10.00.03.00	9.17.20.07	10.00.03.00
	13.17.03.00	14.00.00.00	13.17.03.00	14.00.00.00	13.17.03.00	14.00.00.00	13.17.03.00	14.00.00.00
NDC and NICs	FW	Driver	FW	Driver	FW	Driver	FW	Driver
Intel i350	17.5.10	5.3.2	17.5.10	5.3.2	17.5.10	5.3.2	17.5.10	5.3.2
Intel X520	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
Intel X540	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
Intel X550	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
Intel X710 (not supported on 13G)	17.5.12	1.4.28	17.5.12	1.4.28	17.5.12	1.4.28	17.5.12	1.4.28
iDRAC	2.40.40.40		2.40.40.40 2.41.40.40 (E/S series) 2.43.43.43 (P/V series)		2.40.40.40 2.41.40.40 (E/S series) 2.43.43.43 (P/V series)		2.40.40.40 2.41.40.40 (E/S series) 2.43.43.43 (P/V series)	
PTAgent	1.1-0.5885		1.1-0.5885		1.1-0.5885		1.1-0.5885	
iSM	2.3.0		2.3.0		2.3.0		2.3.0	

Software Item	Version			
VxRail Manager	4.0	4.0.132	4.0.200	4.0.300
ESRS	3.16 (v2)	3.16 (v2)	3.16 (v2)	3.20
Log Insight	3.3.1-3644329	3.3.1-3644329	3.3.1-3644329	3.3.1-3644329
vCenter	6.0.0-3634788 (U2P3)	6.0.0-5112509 (U3)	6.0.0-5183552 (U3a)	6.0.0-5318203 (U3b)
ESXi	6.0.0-4192238 (U2P3)	6.0.0-5050593 (U3)	6.0.0-5224934 (U3a)	6.0.0-5572656 (P05)
Platform Service				

6.2 4.0.301 / 6.0 P05 → 4.0.400 / 6.0 P06

ESXi	6.0 P05		6.0 EP11		6.0 P05		6.0 P06	
vSAN	6.2		6.2		6.2		6.2	
VxRail	4.0.301		4.0.302		4.0.310		4.0.400	
BIOS	2.2.5 2.4.3		2.2.5 2.4.3		2.4.3 2.5.5		2.5.5	
HBA	FW	Driver	FW	Driver	FW	Driver	FW	Driver
HBA 330 Mini	9.17.20.07	10.00.03.00	9.17.20.07	10.00.03.00	13.17.03.00	14.00.00.00	13.17.03.05	14.15.00.00
	13.17.03.00	14.00.00.00	13.17.03.00	14.00.00.00	13.17.03.05	14.15.00.00		
NDC and NICs	FW	Driver	FW	Driver	FW	Driver	FW	Driver
Intel i350	17.5.10	5.3.2	17.5.10	5.3.2	17.5.10	5.3.2	17.5.10	5.3.2
					18.0.17	5.3.3	18.0.17	5.3.3
Intel X520	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
					18.0.17	4.5.1	18.0.17	4.5.1
Intel X540	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
					18.0.17	4.5.1	18.0.17	4.5.1
Intel X550	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10	4.4.1
					18.0.17	4.5.1	18.0.17	4.5.1
Intel X710 (not supported on 13G)	17.5.12	1.4.28	17.5.12	1.4.28	17.5.12	1.4.28	17.5.12	1.4.28
					18.0.17	2.0.6	18.0.17	2.0.6
iDRAC	2.40.40.40. 2.41.40.40 (E/S series) 2.43.43.43 (P/V series)		2.40.40.40. 2.41.40.40 (E/S series) 2.43.43.43 (P/V series)		2.50.50.50		2.50.50.50	
PTAgent	1.1-0.5885		1.1-0.5885		1.1-0.5885		1.6-1.11355	
iSM	2.3.0		2.3.0		2.3.0		2.5.1	

Software Item	Version			
VxRail Manager	4.0.301	4.0.302	4.0.310	4.0.400
ESRS	3.20	3.20	3.20 (v3)	3.24
Log Insight	3.3.1-3644329	3.3.1-3644329	3.3.1-3644329	4.3.0-5084751
vCenter	6.0.0-5318203 (U3b)	6.0.0-5318203 (U3b)	6.0.0-5318203 (U3b)	6.0-7037393 (U3c)
ESXi	6.0.0-5572656 (P05)	6.0.0-6765062 (EP11)	6.0.0-5572656 (P05)	6.0-6921384 (P06)
Platform Service			1.0.0-60	1.0.0-60

6.3 4.0.401 / 6.0 P06 → 4.0.510 / 6.0 P07

ESXi	6.0 P06		6.0 EP13		6.0 EP14		6.0 P07	
vSAN	6.2		6.2		6.2		6.2	
VxRail	4.0.401		4.0.402		4.0.500		4.0.510	
BIOS	2.5.5		2.7.1		2.8.0 (2JFRF)		2.8.0 (2JFRF)	
HBA	FW	Driver	FW	Driver	FW	Driver	FW	Driver
HBA 330 Mini	13.17.03.05	14.15.00.00	13.17.03.05	14.15.00.00	15.17.90.06	16.00.01.00	15.17.90.06	16.00.01.00
NDC and NICs	FW	Driver	FW	Driver	FW	Driver	FW	Driver
Intel i350	17.5.10	5.3.2	17.5.10	5.3.2	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2
	18.0.17	5.3.3	18.0.17	5.3.3	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3
Intel X520	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17	4.5.1	18.0.17	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X540	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17	4.5.1	18.0.17	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X550	17.5.10	4.4.1	17.5.10	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17	4.5.1	18.0.17	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X710 (not supported on 13G)	17.5.12	1.4.28	17.5.12	1.4.28	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28
	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6
iDRAC	2.50.50.50		2.50.101.50		2.52.52.52 (74GHJ)		2.60.60.60 (CX8N2)	
PTAgent	1.7-1.11776		1.7-1.11776		1.7.4.rb4af190		1.7.4.rb4af190	
iSM	2.5.1-734		2.5.1-734		3.1.0-960 (FTGRN)		3.1.0-960 (FTGRN)	
PM	1.16		1.16		1.16		1.16	
	2.07		2.07		2.07		2.07	
Expander BP					3.35 (HYPYY)		3.35 (HYPYY)	
Non-Expander BP					2.25 (HRP1V)		2.25 (HRP1V)	
SATADOM	S130710K		S130710K		S130710K		S130710K	

Software Item	Version			
VxRail Manager	4.0.401 7673556	4.0.402 8119831	4.0.500 8993084	4.0.510 9391850
ESRS	3.24.0004	3.24.0004	3.24.0004	3.24.0004
Log Insight	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751
vCenter	6.0-7462485 (U3d)	6.0-7924804 (U3e)	6.0-8803875 (U3f)	6.0-9146216 (U3g)
ESXi	6.0-6921384 (P06)	6.0-7967664 (EP13)	6.0-8934903 (EP14)	6.0-9239799 (P07)
Platform Service	4.0.401	4.0.402	4.0.500	4.0.510

6.4 4.0.520 / 6.0 EP15 → 4.0.523 / 6.0 EP20

ESXi	6.0 EP15		6.0 EP18		6.0 EP19		6.0 EP20	
vSAN	6.2		6.2 EP18		6.2 EP19		6.2 EP20	
VxRail	4.0.520		4.0.521		4.0.522		4.0.523	
BIOS	2.8.0 (2JFRF)		2.8.0 (2JFRF)		2.8.0 (2JFRF)		2.8.0 (2JFRF)	
HBA	FW	Driver	FW	Driver	FW	Driver	FW	Driver
HBA 330 Mini	15.17.09.06 (MF6CM)	16.00.01.0 0	15.17.09.06 (MF6CM)	16.00.01.0 0	15.17.09.06 (MF6CM)	16.00.01.0 0	15.17.09.06 (MF6CM)	16.00.01.0 0
NDC and NICs	FW	Driver	FW	Driver	FW	Driver	FW	Driver
Intel i350	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2
	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3
Intel X520	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X540	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X550	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X710 (not supported on 13G)	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28
	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6
iDRAC	2.60.60.60 (CX8N2)							
PTAgent	1.7.4.rb4af190							
iSM	3.1.0-960 (FTGRN)							
PM	1.16	2.07	1.16	2.07	1.16	2.07	1.16	2.07
Expander BP	3.35 (HYPYY)							
Non-Expander BP	2.25 (HRP1V)							
SATADOM	S130710K							

Software Item	Versions			
VxRail Manager	4.0.520 9821414	4.0.521 10643947	4.0.522 10765344	4.0.523 13049050
ESRS	See Section 8	See Section 8	See Section 8	See Section 8
Log Insight	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751
vCenter	6.0-9291058 (U3h)	6.0-9291058 (U3h)	6.0-9291058 (U3h)	6.0-9291058 (U3h)
ESXi	6.0-9313334 (EP15)	6.0-10474991 (EP18)	6.0-10719132 (EP19)	6.0-13003896 (EP20)
Platform Service	4.0.520	4.0.521	4.0.522	4.0.523

6.5

4.0.524 / 6.0 EP20 → 4.0.602 / 6.0 EP23

ESXi	6.0 EP20		6.0 P08		6.0 EP22		6.0 EP23	
vSAN	6.2 P21		6.2 P8		6.2 P8		6.2 EP23	
VxRail	4.0.524		4.0.600		4.0.601		4.0.602	
BIOS	2.8.0 (2JFRF)		2.10.5 (1RKPD)		2.10.5 (1RKPD)		2.10.5 (1RKPD)	
HBA	FW	Driver	FW	Driver	FW	Driver	FW	Driver
HBA 330 Mini	15.17.09.06 (MF6CM)	16.00.01.00	15.17.09.06 (MF6CM)	16.00.01.00	15.17.09.06 (MF6CM)	16.00.01.00	15.17.09.06 (MF6CM)	16.00.01.00
NDC and NICs	FW	Driver	FW	Driver	FW	Driver	FW	Driver
Intel i350	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2	17.5.10 (V6TPJ)	5.3.2
	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3	18.0.17 (2MF9C)	5.3.3
Intel X520	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X540	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X550	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1	18.0.17 (F87K5)	4.5.1
Intel X710 (not supported on 13G)	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28	17.5.12 (XJW5M)	1.4.28
	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6	18.0.17	2.0.6
iDRAC	2.60.60.60 (CX8N2)		2.70.70.70 (DNH17)		2.70.70.70 (DNH17)		2.70.70.70 (DNH17)	
PTAgent	1.7.4.rb4af190		1.7.4.rb4af190		1.7.4.rb4af190		1.7.4.rb4af190	
iSM	3.1.0-960 (FTGRN)		3.1.0-960 (FTGRN)		3.1.0-960 (FTGRN)		3.1.0-960 (FTGRN)	
PM	1.16	2.07	1.16	2.07	1.16	2.07	1.16	2.07
Expander BP	3.35 (HYPYY)		3.35 (HYPYY)		3.35 (HYPYY)		3.35 (HYPYY)	
Non-Expander BP	2.25 (HRP1V)		2.25 (HRP1V)		2.25 (HRP1V)		2.25 (HRP1V)	
SATADOM	S130710K		S130710K		S130710K		S130710K	

Software Item	Versions			
VxRail Manager	4.0.524 13820019	4.0.600-14951533	4.0.601-15102651	4.0.602-15266364
ESRS	See Section 8	See Section 8	See Section 8	See Section 8
Log Insight	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751	4.3.0-5084751
vCenter	6.0-13638471 (U3i)	6.0-14510547 (U3j)	6.0-14510547 (U3j)	6.0-14510547 (U3j)
ESXi	6.0-13635687 (EP21)	6.0-14513180 (P08)	6.0-15018929 (EP22)	6.0-15169789 (EP23)
Platform Service	4.0.524	4.0.600	4.0.601	4.0.602

6.6 4.0.603 / 6.0 EP25

ESXi	6.0 EP25	
vSAN	6.2 P25	
VxRail	4.0.603	
BIOS	2.11.0 (7YNRC)	
HBA	FW	Driver
HBA 330 Mini	15.17.09.06 (MF6CM)	16.00.01.00
NDC and NICs	FW	Driver
Intel i350	17.5.10 (V6TPJ)	5.3.2
	18.0.17 (2MF9C)	5.3.3
Intel X520	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1
Intel X540	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1
Intel X550	17.5.10 (V6TPJ)	4.4.1
	18.0.17 (F87K5)	4.5.1
Intel X710 (not supported on 13G)	17.5.12 (XJW5M)	1.4.28
	18.0.17	2.0.6
iDRAC	2.70.70.70 (DNH17)	
PTAgent	1.7.4.rb4af190	
iSM	3.1.0-960 (FTGRN)	
PM	1.16	2.07
Expander BP	3.35 (HYPYY)	
Non-Expander BP	2.25 (HRP1V)	
SATADOM	S130710K	

Software Item	Versions
VxRail Manager	4.0.603-15688117
ESRS	See Section 8
Log Insight	4.3.0-5084751
vCenter	6.0-14510547 (U3j)
ESXi	6.0-15517548 (EP25)
Platform Service	4.0.603

7 SRS / ESRS Tables

Solution	Version	Publish Date	4.7.4xx	4.7.3xx	4.7.2xx	4.7.1xx
ESRS VE (Internal)	3.40.xx.xx	2019/10	Y**	Y**	Y**	Y**
	3.38.xx.xx	2019/08	Y**	Y**	Y**	Y**
	3.36.00.10	2019/04	Y*	Y*	Y**	Y**
	3.28.0006	2018/08			Y*	Y*
ESRS VE (External)	3.40	2019/10	Y	Y	Y	Y
	3.38	2019/08	Y	Y	Y	Y
	3.36	2019/04	Y	Y	Y	Y
	3.34	2019/02	Y	Y	Y	Y
	3.32	2018/11	Y	Y	Y	Y
	3.28	2018/08	Y	Y	Y	Y
	3.26	2018/01	Y	Y	Y	Y
	3.24	2017/12	Y	Y	Y	Y

Solution	Version	Publish Date	4.5.4xx	4.5.3xx	4.5.2xx/ 4.5.15x	4.5.10x/ 4.5.0x	4.0.6xx/ 4.0.5xx/ 4.0.4xx
ESRS VE (Internal)	3.40.xx.xx	2019/10	Y**	Y**	Y**	Y**	Y**
	3.38.xx.xx	2019/08	Y**	Y**	Y**	Y**	Y**
	3.36.00.10	2019/04	Y*	Y**	Y**	Y**	Y**
	3.28.0006	2018/08		Y*	Y**	Y**	Y**
	3.24	2017/12			Y*	Y*	Y*
	3.20.2008					Y*	
ESRS VE (External)	3.40	2019/10	Y	Y	Y	Y	
	3.38	2019/08	Y	Y	Y	Y	
	3.36	2019/04	Y	Y	Y	Y	
	3.34	2019/02	Y	Y	Y	Y	
	3.32	2018/11	Y	Y	Y	Y	
	3.28	2018/08	Y	Y	Y	Y	
	3.26	2018/01	Y	Y	Y	Y	
	3.24	2017/12	Y	Y	Y	Y	Y
	3.20					Y	Y

Notes:

- * For internal SRS, this is the version that shipped with the release
- ** Supported upgrade versions. Must upgrade SRS directly, not supported by LCM

8 Supported Life Cycle Management (LCM) Devices

Table 3 Supported devices for LCM

The following table reflects in which VxRail release these devices were incorporated into the LCM feature.

Device	As of VxRail Release		
	6.0.x	6.5.x	6.7.x
BIOS	4.0.400	4.5.070	4.7.000
HBA	4.0.400	4.5.070	4.7.000
Idrac	4.0.400	4.5.152	4.7.000
NICs – Intel	NA	See table below	See table below
NICs – Broadcom	NA	4.5.218	4.7.000
Backplane	NA	4.5.300	4.7.000
Backplane – Expander	NA	4.5.300	4.7.000
BOSS	NA	4.5.300	4.7.000
Drives	NA	See table below	See table below
PSUs*	NA	4.5.300	4.7.000
IDSDM	NA	4.5.420	4.7.300

* LCM is “supported” but not validated for 48V DC and 380 HVDC

9 Supported Boot Devices

Table 4 Supported appliance boot device

13th Generation

Form Factor	Model	Disk Space	Vendor	Minimum Version
SATADOM	SATADOM-ML 3SE	64 GB	Innodisk	S130710K

14th Generation

Form Factor	Model	Disk Space	Vendor	Min FW	Latest FW	SWB	Supported Platforms
SATA M.2	SSDSCKJB240G7R	240 GB	Intel DC S3520	DL42	DL43	CHJGV	E560/F, P570/F, V570/F, S570, G560
	SSDSCKKB240G8R	240 GB	Intel S4510	DL6N	DL6P	WK5MH	E560/F, P570/F, V570/F, S570, G560
	MTFDDAV240TCB	240 GB	Micron 5100 Pro Boot	E006	E012	6FGD4	E560/F, P570/F, V570/F, S570, G560

10 Supported HDD and SSD

This section provides information about the supported hard drives and solid state drives. Highlighted items are “new” for this version of the document.

Legend:

WI = Write Intensive, MU = Mixed Use, RI = Read Intensive, **New Drives for this release**, **EOL**

Table 5 Supported storage devices in servers.

Component	Family	Part Number	Model	Min Rev	Latest Rev	Supported Platforms
Cache SAS SSD						
400GB HGST WI SAS SSD EOL	Sunset Cove Plus	G1D1K	HUSMM1640ASS204	L380	L384	E460/F, P470/F, V470/F, S470
400GB Toshiba WI SAS SSD	PM4	5VHHG	PX05SMB040Y	AS03	AS0E	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
400GB Toshiba WI SAS SSD	PM5	WGP72	KPM5XMUG400G	B018	B01C	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
800GB HGST WI SAS SSD EOL	Sunset Cove Plus	CW988	HUSMM1680ASS204	L380	L384	E460/F, P470/F, V470/F, S470
800GB HGST WI SAS SSD	Bear Cove	JDX4K	HUSMM3280ASS200	J158	J172	E560/F, P570/F, V570/F, S570, G560/F
800GB HGST MU SAS SSD	Bear Cove	4D43D	HUSMR3280ASS200	J158	J172	E560/F, P570/F, V570/F, S570, G560/F
800GB HGST MU SAS SSD	Bear Cove Plus	H07XR	WUSTR6480ASS200	K953	K953	E560/F, P570/F, V570/F, S570, G560/F
800GB Samsung MU SAS SSD	PM1645	D9NCK	MZILT800HAHQ0D3	DWF8	DWF8	E560/F, P570/F, V570/F, S570, G560/F
800GB Samsung MU SAS SSD	PM1645a	GW8T1	MZILT800HBHQ0D3	DWA3	DWA3	E560/F, P570/F, V570/F, S570, G560/F
800GB Toshiba WI SAS SSD	PM4	CN3JH	PX05SMB080Y	AS03	AS0E	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
800GB Toshiba WI SAS SSD	PM5	DHRVV	KPM5XMUG800G	B018	B01C	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
1.6TB HGST WI SAS SSD EOL	Sunset Cove Plus	5HR3X	HUSMM1616ASS204	L380	L384	E460/F, P470/F, V470/F, S470

Component	Family	Part Number	Model	Min Rev	Latest Rev	Supported Platforms
1.6TB HGST MU SAS SSD	Bear Cove	FDC8J	HUSMR3216ASS200	J158	J172	E560/F, P570/F, V570/F, S570, G560/F
1.6TB HGST MU SAS SSD	Bear Cove Plus	8W6HC	WUSTR6416ASS200	K953	K953	E560/F, P570/F, V570/F, S570, G560/F
1.6TB Samsung MU SAS SSD	PM1645	DR0HX	MZILT1T6HAJQ0D3	DWF8	DWF8	E560/F, P570/F, V570/F, S570, G560/F
1.6TB Samsung MU SAS SSD	PM1645a	3TCV6	MZILT1T6HBJR0D3	DWA3	DWA3	E560/F, P570/F, V570/F, S570, G560/F
1.6TB Toshiba WI SAS SSD	PM4	GVTYD	PX05SMB160Y	AS03	AS0E	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
1.6TB Toshiba WI SAS SSD	PM5	W9G88	KPM5XMUG1T60	B018	B01C	E460/F, P470/F, V470/F, S470 E560/F, P570/F, V570/F, S570, G560/F
Cache NVMe SSD						
375GB Intel NVMe SSD	P4800X	3DM57	SSDPE21K375GAT	E201DP31	E201DP31	E560/F/N, P570/F, G560/F, P580N
800GB Samsung NVMe SSD	PM1725a	KWH83	MZWLL800HEHP-000D3	1.0.4	1.1.2	E560/F/N, P570/F, G560/F, P580N
1.6TB Samsung NVMe SSD	PM1725a	JD6CH	MZWLL1T6HEHP-000D3	1.0.4	1.1.2	E560/F/N, P570/F, G560/F, P580N
1.6TB Samsung NVMe SSD	PM1725b	4WDXY	MZWLL1T6HAJQ-000D3	1.0.0	1.0.0	E560/F/N, P570/F, G560/F, P580N
1.6TB Intel NVMe SSD	P4610	58V30	SSDPE2KE016T8T	VDV1DP21	VDV1DP21	E560/F/N, P570/F, G560/F, P580N
Capacity NVMe SSD						
960GB Toshiba RI NVMe SSD	CD5	DRC9H	SDFPF86DAB01	1.1.1	1.1.1	E560N, P580N
1TB Intel NVMe SSD	P4510	FJ9YX	SSDPE2KX010T8T	VDV1DP21	VDV1DP21	E560N, P580N
3.84TB Toshiba RI NVMe SSD	CD5	17C57	SDFPF84DAB01	1.1.1	1.1.1	E560N, P580N
4TB Intel NVMe SSD	P4510	5GMK0	SSDPE2KX040T8T	VDV1DP21	VDV1DP21	E560N, P580N
Capacity SAS SSD						
1.92TB HGST RI SAS SSD EOL	Sunset Cove Plus	VCWFG	HUSMR1619ASS204	H1D0	H1D6	E460/F, P470/F, V470/F, S470
1.92TB Toshiba RI SAS SSD EOL	PM3	R87FK	PX04SRB192	AM04	AM07	E460/F, P470/F, V470/F, S470
1.92TB Toshiba RI SAS SSD	PM4	0FYFW	PX05SRB192Y	AS03	AS10	E460F, P470F, V470F

Component	Family	Part Number	Model	Min Rev	Latest Rev	Supported Platforms
						E560F, P570F, V570F, G560/F
1.92TB Toshiba RI SAS SSD	PM5	TDNP7	KPM5XRUG1T92	B018	B01C	E460F, P470F, V470F, S470 E560F, P570F, V570F, S570, G560/F
1.92TB Samsung RI SAS SSD	PM1633a	086DD	MZILS1T9HEJH0D3	DSL5	DSL8	E460F, P470F, V470F E560F, P570F, V570F, G560/F
1.92TB Samsung RI SAS SSD	PM1643	F0V FY	MZILT1T9HAJQ0D3	DSF4	DSF8	E460F, P470F, V470F E560F, P570F, V570F, G560/F
1.92TB Samsung RI SAS SSD	PM1643a	TMTW9	MZILT1T9HBJR0D3	DSA3	DSA3	E560F, P570F, V570F, G560/F
3.84TB Toshiba RI SAS SSD EOL	PM3	M09K5	PX04SRB384	AM04	AM07	E460F, P470F, V470F, S470
3.84TB Samsung RI SAS SSD	PM1633a	JR1HP	MZILS3T8HMLH0D3	DSL5	DSL8	E460F, P470F, V470F E560F, P570F, V570F, G560/F
3.84TB Samsung RI SAS SSD	PM1643	X8F87	MZILT3T8HALS0D3	DSF4	DSF8	E460F, P470F, V470F E560F, P570F, V570F, G560/F
3.84TB Samsung RI SAS SSD	PM1643a	CRNPH	MZILT3T8HBLS0D3	DSA3	DSA3	E560F, P570F, V570F, G560/F
3.84TB Toshiba RI SAS SSD	PM4	XCRDV	PX05SRB384Y	AS03	AS10	E460F, P470F, V470F E560F, P570F, V570F, G560/F
3.84TB Toshiba WI SAS SSD	PM5	N85XX	KPM5XRUG3T84	B018	B01C	E460F, P470F, V470F, S470 E560F, P570F, V570F, S570, G560/F
3.84TB Toshiba MU SAS SSD	PM5	91W3V	KPM5XVUG3T84	B018	B01C	E560F, P570F, V570F, G560/F
7.68TB Toshiba RI vSAS SSD	RM5	5XD2F	KRM5XrUG7T68	B707	B707	E560F, P570F, V570F, G560/F
7.68TB Samsung RI SAS SSD	PM1643	RVYD5	MZILT7T6HMLA0D3	DSF8	DSF8	E560F, P570F, V570F, G560/F
Capacity SATA SSD						
1.92TB Samsung RI SATA SSD EOL	PM863a	9W12R	MZ7LM1T9HMLJP0D3	GC57	GC5B	E460F, P470F, V470F E560F, P570F, V570F, G560/F
1.92TB Samsung RI SATA SSD	PM883	Y24T6	MZ7LH1T9HMLT0D3	HE56	HE57	E460F, P470F, V470F E560F, P570F, V570F, G560
1.92TB Samsung RI SATA SSD	PM883a	9FY96	MZ7LH1T9HALT0D3	HG56	HG56	E560F, P570F, V570F, G560/F
1.92TB Intel RI SATA SSD	S4500	XCN15	SSDSC2KB019T7R	DL56	DL5A	E460F, P470F, V470F

Component	Family	Part Number	Model	Min Rev	Latest Rev	Supported Platforms
						E560F, P570F, V570F, G560/F
1.92TB Intel RI SATA SSD	S4510	C6K76	SSDSC2KB019T8R	DL63	DL67	E460/F, P470/F, V470/F E560F, P570F, V570F, G560
1.92TB Micron RI SATA SSD	5200	VJ36D	MTFDDAK1T9TDD	F000	F003	E560F, P570F, V570F, G560/F
1.92TB Toshiba RI SATA SSD	HK6	919J7	KHK6YRSE1T92	DBC4	DBC4	E560F, P570F, V570F, G560/F
3.84TB Samsung RI SATA SSD EOL	PM863a	9Y3HD	MZ7LM3T8HMLP0D3	GC57	GC5B	E460F, P470F, V470F E560F, P570F, V570F, G560/F
3.84TB Samsung RI SATA SSD	PM883	FYP5F	MZ7LH3T8HMLT0D3	HE56	HE57	E460/F, P470/F, V470/ E560F, P570F, V570F, G560
3.84TB Samsung RI SATA SSD	PM883a	5TVXD	MZ7LH3T8HALT0D3	HG56	HG56	E560F, P570F, V570F, G560/F
3.84TB Intel RI SATA SSD	S4500	3RRN8	SSDSC2KB038T7R	DL56	DL5A	E460F, P470F, V470F E560F, P570F, V570F, G560/F
3.84TB Intel RI SATA SSD	S4510	1RHK2	SSDSC2KB038T8R	DL63	DL67	E460/F, P470/F, V470/F E560F, P570F, V570F, G560
3.84TB Toshiba RI SATA SSD	HK6	8PYG5	KHK6YRSE3T84	DBC4	DBC4	E560F, P570F, V570F, G560/F
Capacity SAS HDD						
1.2TB 10K HGST SAS HDD 2.5"	Cobra F	9XNF6 / 0KV02	HUC101812CSS204 / HUC101812CSS200	FJ23 / FU29	FJ39 / FU39	E460, P470, V470, S470 E560, P570, V570, S570, G560
1.2TB 10K Toshiba SAS HDD 2.5" EOL	AL 14SE Lite	89D42 / 3K30N	AL14SEB120N / AL14SEB120NY	DM06 / EA01	DM06 / EA04	E460, P470, V470, S470 E560, P570, V570, S570, G560
1.2TB 10K Toshiba SAS HDD 2.5"	AL 15SE	01M0D	AL15SEB120NY	EF03	EF04	E460, P470, V470, S470 E560, P570, V570, S570, G560
1.8TB 10K Toshiba SAS HDD 2.5"	AL 15SE	0WRRF	AL15SEB18EQY	EF03	EF04	E560, P570, V570, S570, G560
2.4TB 10K Toshiba SAS HDD 2.5"	AL 15SE	F9NWJ	AL15SEB24EQY	EF03	EF04	E560, P570, V570, S570, G560
1.2TB 10K Seagate SAS HDD 2.5" EOL	Thunderbolt	WXPCX / FR6W6	ST1200MM0088 / ST1200MM0198	TT31 / UT71	TT31 / UT71	E460, P470, V470, S470 E560, P570, V570, S570, G560
1.2TB 10K Seagate SAS HDD 2.5"	Skybolt	G2G54	ST1200MM0099	ST31	ST33	E460, P470, V470, S470 E560, P570, V570, S570, G560

Component	Family	Part Number	Model	Min Rev	Latest Rev	Supported Platforms
1.8TB 10K Seagate SAS HDD 2.5"	Skybolt	JY57X	DL1800MM0159	ST51	ST53	E560, P570, V570, G560
2.4TB 10K Seagate SAS HDD 2.5"	Skybolt	RWR8F	DL2400MM0159	ST51	ST53	E560, P570, V570, G560
2TB 7.2K Seagate NLSAS HDD 2.5" EOL	Avenger	FVX7C / TMVN7	ST2000NX0433 EOL / ST2000NX0463	NS02 / NT31	NS02 / NT32	E460, P470, V470 E560, P570, V570, G560
4TB 7.2K Seagate NLSAS HDD 3.5" EOL	Makara BP	YXG4K / 5JH5X	ST4000NM0025 EOL / ST4000NM0295	DS04 / DT31	DS04 / DT34	S470 S570
4TB 7.2K Seagate SAS HDD 3.5"	Cimarron	KRM6X	ST4000NM017A	CSJ3	CSJ3	S570
4TB 7.2K Toshiba NLSAS HDD 3.5"	Tomcat R	0F9W8 / 1MVTT	MG04SCA40EN / MG04SCA40ENY	DS07 / EG03	DS07 / EG03	S470 S570
4TB 7.2K HGST NLSAS HDD 3.5" EOL	Aries K Plus	TX8WW / X4FKY	HUS726040ALS214 / HUS726040ALS210	KJ03 / KU27	KJ03 / KU27	S470 S570
4TB 7.2k HGST NLSAS HDD 3.5"	Vela-A	NT1X2	HUS726T4TALS200	PU01	PU01	S570

11 Power Supplies

Component	Platforms	Rev	PE Release Date
Delta 750W	E560/F	00.24.7D	9/26/17
Emerson 750W	E560/F	00.1B.53	9/26/17
LiteOn 750W	E560/F	00.23.32	9/26/17
Delta 1100W	E560/F, P570/F, V570/F, S570	00.1D.7D	9/26/17
LiteOn 1100W	E560/F, P570/F, V570/F, S570	00.23.32	9/26/17
Emerson 1100W 48VDC	E560/F	04.08.24	9/26/17
		04.08.26	6/12/18
Delta 1100W 380 HVDC	E560/F	00.14.8A	12/12/17
Delta 1600W	P570/F, V570/F, S570	00.3D.67	9/26/17
Delta 2000W	P570/F, V570/F, S570	00.11.1A	9/26/17
Artesyn 2400W	P580N	00.2A.72	9/9/2019

12 Supported switches

This section provides information about the supported switches by the VxRail appliances.

Switches must meet the following requirements for VxRail 4.7 and above:

- Support IPv4 unicast
- Support IPv6 multicast

Switches must meet the following requirements prior to VxRail 4.7:

- Support IPv4 multicast
- Support IPv6 multicast

In addition the following switch features are recommended:

- Enable IGMP snooping and querier.
- Enable MLD snooping and querie

13 Getting help

13.1 Contacting Dell EMC

You can link your Online Support account with VxRail Manager and access support resources without having to log in separately.

NOTE: If you plan to set up Dell Secure Remote Services (SRS), you have to link your Online Support account to VxRail Manager under the same ID or it may not work properly.

13.2 Registering for online support

You can create an Online Support account to access support resources such as:

- Register your appliance.
- Obtain product license files and software updates.
- Download Dell EMC VxRail Series product documentation.
- Download the SolVe Desktop Procedure Generator.
- Browse the Dell EMC VxRail Series community and support information.
- Link your support account for access to resources from within VxRail Manager.

To register for online support:

1. Point your Web browser to www.emc.com/vxrailsupport (or support.emc.com).
2. Click **Register** here.
3. Fill in the required information.

Support will send you a confirmation email, typically within 48 hours.

13.3 Accessing support resources

You can access support resources for your Dell EMC VxRail™ appliance by one of the following:

- [VxRail Support](#)
- <https://www.emc.com/vxrailsupport> (or support.emc.com)
- <https://solveonline.emc.com/>

NOTE: Additional Dell EMC VxRail Series information is available through the SolVe desktop tool. SolVe includes step-by-step procedures for replacing certain hardware components, as well as other tasks.

A Appendix – Disk Group configuration rules – 13th Generation

Rule: We do not support mixing SAS/SATA SSD drives in the same disk group

Table 6 Disk Group Configuration Rules

Appliance	Quantity of Cache SSD	Quantity of Capacity Devices
E460 / E460F	1	1 to 4
	2	2 to 8
P470/P470F	1	1 to 3
	2	2 to 6
	3	3 to 9
	4	4 to 12
V470/V470F	1	1 to 3
	2	2 to 6
	3	3 to 9
	4	4 to 12
S470	1	1 to 6
	2	2 to 12

B Appendix – Disk slot placement rules – 13th Generation

VxRail appliances are delivered from the factory with cache and capacity disks pre-populated in specific disk slots in the chassis. The slot location of the cache and capacity disks is important to the operation of your appliance and should not be altered unless directed by a Dell EMC service professional.

B.1 Disk slot mapping – 13th Generation

For the drive slot mapping tables in this section, use the following legend:

C= Cache SSD

D= Capacity SSD or HDD

Table 7 Drive population rules for the Dell EMC E460 and E460F

Cache	Data	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9
1	1	C	D								
1	2	C	D	D							
1	3	C	D	D	D						
1	4	C	D	D	D	D					
2	2	C	D				C	D			
2	3	C	D	D			C	D			
2	4	C	D	D			C	D	D		
2	5	C	D	D	D		C	D	D		
2	6	C	D	D	D		C	D	D	D	
2	7	C	D	D	D	D	C	D	D	D	
2	8	C	D	D	D	D	C	D	D	D	D

Table 8 Drive population rules for the P470/P470F/V470/V470F

Cache	Data	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15
1	1	C	D														
1	2	C	D	D													
1	3	C	D	D	D												
2	2	C	D			C	D										
2	3	C	D	D		C	D										
2	4	C	D	D		C	D	D									
2	5	C	D	D	D	C	D	D									
2	6	C	D	D	D	C	D	D	D								
3	3	C	D			C	D			C	D						
3	4	C	D	D		C	D			C	D						
3	5	C	D	D		C	D	D		C	D						
3	6	C	D	D		C	D	D		C	D	D					
3	7	C	D	D	D	C	D	D		C	D	D					
3	8	C	D	D	D	C	D	D	D	C	D	D					
3	9	C	D	D	D	C	D	D	D	C	D	D	D				
4	4	C	D			C	D			C	D			C	D		
4	5	C	D	D		C	D			C	D			C	D		
4	6	C	D	D		C	D	D		C	D			C	D		
4	7	C	D	D		C	D	D		C	D	D		C	D		
4	8	C	D	D		C	D	D		C	D	D		C	D	D	
4	9	C	D	D	D	C	D	D		C	D	D		C	D	D	

Cache	Data	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15
4	10	C	D	D	D	C	D	D	D	C	D	D		C	D	D	
4	11	C	D	D	D	C	D	D	D	C	D	D	D	C	D	D	
4	12	C	D	D	D	C	D	D	D	C	D	D	D	C	D	D	D

Table 9 Drive population rules for the S470

Cache	Data	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13
1	1	D												C	
1	2	D	D											C	
1	3	D	D	D										C	
1	4	D	D	D	D									C	
1	5	D	D	D	D	D								C	
1	6	D	D	D	D	D	D							C	
2	2	D						D						C	C
2	3	D	D					D						C	C
2	4	D	D					D	D					C	C
2	5	D	D	D				D	D					C	C
2	6	D	D	D				D	D	D				C	C
2	7	D	D	D	D			D	D	D				C	C
2	8	D	D	D	D			D	D	D	D			C	C
2	9	D	D	D	D	D		D	D	D	D			C	C
2	10	D	D	D	D	D		D	D	D	D	D		C	C
2	11	D	D	D	D	D	D	D	D	D	D	D		C	C
2	12	D	D	D	D	D	D	D	D	D	D	D	D	C	C

C Appendix – Disk slot placement rules – 14th Generation

Rule: We do not support mixing SAS/SATA SSD drives in the same disk group

Table 10 Disk Slot Placement Rules – 14th Generation

Appliance	Quantity of Cache SSD	Quantity of Capacity Devices
G560 / G560F	1 (per node, max of 4 nodes)	1 to 5 (per node, max of 4 nodes)
E560 / E560F/ E560N	1	1 to 4
	2	2 to 8
P570/ P570F	1	1 to 5
	2	2 to 10
	3	3 to 15
	4	4 to 20
V570/ V570F	1	1 to 5
	2	2 to 10
	3	3 to 15
	4	4 to 20
S570	1	1 to 6
	2	2 to 12
P580N	1	1 to 5
	2	2 to 10
	3	3 to 15
	4	4 to 20

D Appendix – Disk Slot Placement Rules – 14th Generation

VxRail appliances are delivered from the factory with cache and capacity disks pre-populated in specific disk slots in the chassis. The slot location of the cache and capacity disks is important to the operation of your appliance and should not be altered unless directed by a Dell EMC service professional.

D.1 Disk Slot Mapping – 14th Generation

For the drive slot mapping tables in this section, use the following legend:

C= Cache SSD

CN = Cache NVMe

D= Capacity SSD or HDD

DN= Capacity NVMe

Table 11 E560/E560F

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9
1	1	D								C, CN	
1	2	D	D							C, CN	
1	3	D	D	D						C, CN	
1	4	D	D	D	D					C, CN	
2	2	D				D				C, CN	C, CN
2	3	D	D			D				C, CN	C, CN
2	4	D	D			D	D			C, CN	C, CN
2	5	D	D	D		D	D			C, CN	C, CN
2	6	D	D	D		D	D	D		C, CN	C, CN
2	7	D	D	D	D	D	D	D		C, CN	C, CN
2	8	D	D	D	D	D	D	D	D	C, CN	C, CN

Table 12 E560N

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9
1	1	DN								CN	
1	2	DN	DN							CN	
1	3	DN	DN	DN						CN	
1	4	DN	DN	DN	DN					CN	
2	2	DN				DN				CN	CN
2	3	DN	DN			DN				CN	CN
2	4	DN	DN			DN	DN			CN	CN
2	5	DN	DN	DN		DN	DN			CN	CN
2	6	DN	DN	DN		DN	DN	DN		CN	CN
2	7	DN	DN	DN	DN	DN	DN	DN		CN	CN
2	8	DN	DN	DN	DN	DN	DN	DN	DN	CN	CN

Table 13 P570/P570F

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23
1	1	D																				C, CN			
1	2	D	D																			C, CN			
1	3	D	D	D																		C, CN			
1	4	D	D	D	D																	C, CN			
1	5	D	D	D	D	D																C, CN			
2	2	D					D															C, CN	C, CN		
2	3	D	D				D															C, CN	C, CN		
2	4	D	D				D	D														C, CN	C, CN		
2	5	D	D	D			D	D														C, CN	C, CN		
2	6	D	D	D			D	D	D													C, CN	C, CN		
2	7	D	D	D	D		D	D	D													C, CN	C, CN		
2	8	D	D	D	D		D	D	D	D												C, CN	C, CN		
2	9	D	D	D	D	D	D	D	D	D												C, CN	C, CN		
2	10	D	D	D	D	D	D	D	D	D	D											C, CN	C, CN		
3	3	D					D					D										C, CN	C, CN	C, CN	
3	4	D	D				D					D										C, CN	C, CN	C, CN	
3	5	D	D				D	D				D										C, CN	C, CN	C, CN	
3	6	D	D				D	D				D	D									C, CN	C, CN	C, CN	
3	7	D	D	D			D	D				D	D									C, CN	C, CN	C, CN	

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23
3	8	D	D	D			D	D	D			D	D									C, CN	C, CN	C, CN	
3	9	D	D	D			D	D	D			D	D	D								C, CN	C, CN	C, CN	
3	10	D	D	D	D		D	D	D			D	D	D								C, CN	C, CN	C, CN	
3	11	D	D	D	D		D	D	D	D		D	D	D								C, CN	C, CN	C, CN	
3	12	D	D	D	D		D	D	D	D		D	D	D	D							C, CN	C, CN	C, CN	
3	13	D	D	D	D	D	D	D	D	D		D	D	D	D							C, CN	C, CN	C, CN	
3	14	D	D	D	D	D	D	D	D	D	D	D	D	D	D							C, CN	C, CN	C, CN	
3	15	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D						C, CN	C, CN	C, CN	
4	4	D					D					D					D					C, CN	C, CN	C, CN	C, CN
4	5	D	D				D					D					D					C, CN	C, CN	C, CN	C, CN
4	6	D	D				D	D				D					D					C, CN	C, CN	C, CN	C, CN
4	7	D	D				D	D				D	D				D					C, CN	C, CN	C, CN	C, CN
4	8	D	D				D	D				D	D				D	D				C, CN	C, CN	C, CN	C, CN
4	9	D	D	D			D	D				D	D				D	D				C, CN	C, CN	C, CN	C, CN
4	10	D	D	D			D	D	D			D	D				D	D				C, CN	C, CN	C, CN	C, CN
4	11	D	D	D			D	D	D			D	D	D			D	D				C, CN	C, CN	C, CN	C, CN
4	12	D	D	D			D	D	D			D	D	D			D	D	D			C, CN	C, CN	C, CN	C, CN
4	13	D	D	D	D		D	D	D			D	D	D			D	D	D			C, CN	C, CN	C, CN	C, CN
4	14	D	D	D	D		D	D	D	D		D	D	D			D	D	D			C, CN	C, CN	C, CN	C, CN
4	15	D	D	D	D		D	D	D	D		D	D	D	D		D	D	D			C, CN	C, CN	C, CN	C, CN
4	16	D	D	D	D		D	D	D	D		D	D	D	D		D	D	D	D		C, CN	C, CN	C, CN	C, CN
4	17	D	D	D	D	D	D	D	D	D		D	D	D	D		D	D	D	D		C, CN	C, CN	C, CN	C, CN
4	18	D	D	D	D	D	D	D	D	D	D	D	D	D	D		D	D	D	D		C, CN	C, CN	C, CN	C, CN
4	19	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		C, CN	C, CN	C, CN	C, CN
4	20	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C, CN	C, CN	C, CN	C, CN

Table 14 V570/V570F

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23
1	1	D																				C			
1	2	D	D																			C			
1	3	D	D	D																		C			
1	4	D	D	D	D																	C			
1	5	D	D	D	D	D																C			
2	2	D					D															C	C		
2	3	D	D				D															C	C		
2	4	D	D				D	D														C	C		
2	5	D	D	D			D	D														C	C		
2	6	D	D	D			D	D	D													C	C		
2	7	D	D	D	D		D	D	D													C	C		

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23
2	8	D	D	D	D		D	D	D	D												C	C		
2	9	D	D	D	D	D	D	D	D	D												C	C		
2	10	D	D	D	D	D	D	D	D	D	D											C	C		
3	3	D					D					D										C	C	C	
3	4	D	D				D					D										C	C	C	
3	5	D	D				D	D				D										C	C	C	
3	6	D	D				D	D				D	D									C	C	C	
3	7	D	D	D			D	D				D	D									C	C	C	
3	8	D	D	D			D	D	D			D	D									C	C	C	
3	9	D	D	D			D	D	D			D	D	D								C	C	C	
3	10	D	D	D	D		D	D	D			D	D	D								C	C	C	
3	11	D	D	D	D		D	D	D	D		D	D	D								C	C	C	
3	12	D	D	D	D		D	D	D	D		D	D	D	D							C	C	C	
3	13	D	D	D	D	D	D	D	D	D		D	D	D	D							C	C	C	
3	14	D	D	D	D	D	D	D	D	D	D	D	D	D	D							C	C	C	
3	15	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D						C	C	C	
4	4	D					D					D					D					C	C	C	C
4	5	D	D				D					D					D					C	C	C	C
4	6	D	D				D	D				D					D					C	C	C	C
4	7	D	D				D	D				D	D				D					C	C	C	C
4	8	D	D				D	D				D	D				D	D				C	C	C	C
4	9	D	D	D			D	D				D	D				D	D				C	C	C	C
4	10	D	D	D			D	D	D			D	D				D	D				C	C	C	C
4	11	D	D	D			D	D	D			D	D	D			D	D				C	C	C	C
4	12	D	D	D			D	D	D			D	D	D			D	D	D			C	C	C	C
4	13	D	D	D	D		D	D	D			D	D	D			D	D	D			C	C	C	C
4	14	D	D	D	D		D	D	D	D		D	D	D			D	D	D			C	C	C	C
4	15	D	D	D	D		D	D	D	D		D	D	D	D		D	D	D			C	C	C	C
4	16	D	D	D	D		D	D	D	D		D	D	D	D		D	D	D	D		C	C	C	C
4	17	D	D	D	D	D	D	D	D	D		D	D	D	D		D	D	D	D		C	C	C	C
4	18	D	D	D	D	D	D	D	D	D	D	D	D	D	D		D	D	D	D		C	C	C	C
4	19	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		C	C	C	C
4	20	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	C	C	C	C

Table 15 S570

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13
1	1	D												C	
1	2	D	D											C	
1	3	D	D	D										C	
1	4	D	D	D	D									C	
1	5	D	D	D	D	D								C	
1	6	D	D	D	D	D	D							C	
2	2	D						D						C	C
2	3	D	D					D						C	C
2	4	D	D					D	D					C	C
2	5	D	D	D				D	D					C	C
2	6	D	D	D				D	D	D				C	C
2	7	D	D	D	D			D	D	D				C	C
2	8	D	D	D	D			D	D	D	D			C	C
2	9	D	D	D	D	D		D	D	D	D			C	C
2	10	D	D	D	D	D		D	D	D	D	D		C	C
2	11	D	D	D	D	D	D	D	D	D	D	D		C	C
2	12	D	D	D	D	D	D	D	D	D	D	D	D	C	C

Table 16 G560/G560F

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23	
1	1	C, CN	D																							
1	2	C, CN	D	D																						
1	3	C, CN	D	D	D																					
1	4	C, CN	D	D	D	D																				
1	5	C, CN	D	D	D	D	D																			
2	2	C, CN	D					C, CN	D																	
2	3	C, CN	D	D				C, CN	D																	
2	4	C, CN	D	D				C, CN	D	D																
2	5	C, CN	D	D	D			C, CN	D	D																
2	6	C, CN	D	D	D			C, CN	D	D	D															
2	7	C, CN	D	D	D	D		C, CN	D	D	D															
2	8	C, CN	D	D	D	D		C, CN	D	D	D	D														
2	9	C, CN	D	D	D	D	D	C, CN	D	D	D	D														
2	10	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D													
3	3	C, CN	D					C, CN	D					C, CN	D											
3	4	C, CN	D	D				C, CN	D					C, CN	D											
3	5	C, CN	D	D				C, CN	D	D				C, CN	D											
3	6	C, CN	D	D				C, CN	D	D				C, CN	D	D										
3	7	C, CN	D	D	D			C, CN	D	D				C, CN	D	D										
3	8	C, CN	D	D	D			C, CN	D	D	D			C, CN	D	D										
3	9	C, CN	D	D	D			C, CN	D	D	D			C, CN	D	D	D									
3	10	C, CN	D	D	D	D		C, CN	D	D	D			C, CN	D	D	D									
3	11	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D									
3	12	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D	D								
3	13	C, CN	D	D	D	D	D	C, CN	D	D	D	D		C, CN	D	D	D	D								
3	14	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C, CN	D	D	D	D								
3	15	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D							
4	4	C, CN	D					C, CN	D					C, CN	D					C, CN	D					
4	5	C, CN	D	D				C, CN	D					C, CN	D					C, CN	D					
4	6	C, CN	D	D				C, CN	D	D				C, CN	D					C, CN	D					
4	7	C, CN	D	D				C, CN	D	D				C, CN	D	D				C, CN	D					
4	8	C, CN	D	D				C, CN	D	D				C, CN	D	D				C, CN	D	D				
4	9	C, CN	D	D	D			C, CN	D	D				C, CN	D	D				C, CN	D	D				
4	10	C, CN	D	D	D			C, CN	D	D	D			C, CN	D	D				C, CN	D	D				
4	11	C, CN	D	D	D			C, CN	D	D	D			C, CN	D	D	D			C, CN	D					
4	12	C, CN	D	D	D			C	D	D	D			C	D	D	D			C, CN	D	D	D			
4	13	C, CN	D	D	D	D		C, CN	D	D	D			C, CN	D	D	D			C, CN	D	D	D			
4	14	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D			C, CN	D	D	D			
4	15	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D			

Cache (C)	Data (D)	Slot 0	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14	Slot 15	Slot 16	Slot 17	Slot 18	Slot 19	Slot 20	Slot 21	Slot 22	Slot 23
4	16	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D	D	
4	17	C, CN	D	D	D	D	D	C, CN	D	D	D	D		C, CN	D	D	D	D		C, CN	D	D	D	D	
4	18	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C, CN	D	D	D	D		C, CN	D	D	D	D	
4	19	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C, CN	D	D	D	D	
4	20	C, CN	D	D	D	D	D	C, CN	D	D	D	D	D	C	D	D	D	D	D	C, CN	D	D	D	D	D

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Cache (C)	Data (D)	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	
		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
		Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	
		0	1	2	3	4	5	6	7	8	9	10	11	0	1	2	3	4	5	6	7	8	9	10	11	
1	1	DN																							CN	
1	2	DN	DN																						CN	
1	3	DN	DN	DN																					CN	
1	4	DN	DN	DN	DN																				CN	
1	5	DN	DN	DN	DN	DN																			CN	
2	2	DN					DN																		CN	CN
2	3	DN	DN				DN																		CN	CN
2	4	DN	DN				DN	DN																	CN	CN
2	5	DN	DN	DN			DN	DN																	CN	CN
2	6	DN	DN	DN			DN	DN	DN																CN	CN
2	7	DN	DN	DN	DN		DN	DN	DN																CN	CN
2	8	DN	DN	DN	DN		DN	DN	DN	DN															CN	CN
2	9	DN	DN	DN	DN	DN	DN	DN	DN	DN															CN	CN
2	10	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN														CN	CN
3	3	DN					DN					DN												CN	CN	CN
3	4	DN	DN				DN					DN												CN	CN	CN
3	5	DN	DN				DN	DN				DN												CN	CN	CN
3	6	DN	DN				DN	DN				DN	DN											CN	CN	CN
3	7	DN	DN	DN			DN	DN				DN	DN											CN	CN	CN
3	8	DN	DN	DN			DN	DN	DN			DN	DN											CN	CN	CN

Cache (C)	Data (D)	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay	Bay
		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
		Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot	Slot
		0	1	2	3	4	5	6	7	8	9	10	11	0	1	2	3	4	5	6	7	8	9	10	11
3	9	DN	DN	DN			DN	DN	DN			DN	DN	DN									CN	CN	CN
3	10	DN	DN	DN	DN		DN	DN	DN			DN	DN	DN									CN	CN	CN
3	11	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN									CN	CN	CN
3	12	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN	DN								CN	CN	CN
3	13	DN	DN	DN	DN	DN	DN	DN	DN	DN		DN	DN	DN	DN								CN	CN	CN
3	14	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN							CN	CN	CN
3	15	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN						CN	CN	CN
4	4	DN					DN					DN					DN					CN	CN	CN	CN
4	5	DN	DN				DN					DN					DN					CN	CN	CN	CN
4	6	DN	DN				DN	DN				DN					DN					CN	CN	CN	CN
4	7	DN	DN				DN	DN				DN	DN				DN					CN	CN	CN	CN
4	8	DN	DN				DN	DN				DN	DN				DN	DN				CN	CN	CN	CN
4	9	DN	DN	DN			DN	DN				DN	DN				DN	DN				CN	CN	CN	CN
4	10	DN	DN	DN			DN	DN	DN			DN	DN				DN	DN				CN	CN	CN	CN
4	11	DN	DN	DN			DN	DN	DN			DN	DN	DN			DN	DN				CN	CN	CN	CN
4	12	DN	DN	DN			DN	DN	DN			DN	DN	DN			DN	DN	DN			CN	CN	CN	CN
4	13	DN	DN	DN	DN		DN	DN	DN			DN	DN	DN			DN	DN	DN			CN	CN	CN	CN
4	14	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN			DN	DN	DN			CN	CN	CN	CN
4	15	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN			CN	CN	CN	CN
4	16	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN	DN		CN	CN	CN	CN
4	17	DN	DN	DN	DN	DN	DN	DN	DN	DN		DN	DN	DN	DN		DN	DN	DN	DN		CN	CN	CN	CN
4	18	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN		DN	DN	DN	DN		CN	CN	CN	CN
4	19	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN		CN	CN	CN	CN
4	20	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	CN	CN	CN	CN