



## EMC® VNXe® Series Storage Systems

### Disk and OE Matrix

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P/N 300-012-418

REV 06

June 25, 2013

To function properly, disks in an EMC® VNXe® system require that each storage processor run minimum revisions of the Operating Environment (OE). This document lists the disk part numbers supported for VNXe series storage systems and the minimum software revisions required for each disk model.

*The disk part number (PN) appears on a label on the front of the disk carrier. Note that although the OE GUI may display an alpha suffix at the end of the PN (like EFD) these characters are not part of the actual orderable PN.*



#### CAUTION

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**Verify that the proper version of the OE is running on the storage system before installing any disk drives. Results ranging from non-recognition of the drives to data loss may occur if an improper OE version is installed.**

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## VNXe series storage systems

Before installing a new disk in a storage system, use EMC Unisphere® to determine the OE revision running on the storage system. In Unisphere, the OE revision can be found by navigating to **Settings --> More Configuration --> Update Software**. The OE revision appears on the **Software** tab in the **Software Version** dialog box. If this revision is lower than the minimum revision required for the disk, as listed in Table 1 or Table 2, you must upgrade the OE on the storage system before installing the disk. EMC recommends that you upgrade the OE from the **Update Software** page in EMC Unisphere, though you can use the Unisphere CLI.

**Table 1 VNXe3100 & VNXe3150 3.5" 12-Slot Enclosures:**

Disk capacity	Model number	Part number	RoHS <sup>1</sup>	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
3 TB	V2-PS07-030	005049291	CO	NO	6Gb SAS	7.2K rpm	2.3.1.19462
		005049948	CO	NO			
3 GB	V2-PS07E-030	005049584	CO	NO	6Gb SAS	7.2K rpm	2.4.0.20932
		005050458	CO	NO			
2 TB	V2-PS07-020	005049225	CO	NO	6Gb SAS	7.2K rpm	2.0.0.12628
		005049498	CO	NO			
		005050291	CO	NO			
1 TB	V2-PS07-010	005049306	CO	NO	6Gb SAS	7.2K rpm	2.0.0.12628
		005049503	CO	NO			
		005050288	CO	NO			
900 GB	V2-PS10-900	005049577	CO	NO	6Gb SAS	10K rpm	2.3.1.19462

<sup>1</sup> In the RoHS column, CO = RoHS compliant; NC = not RoHS compliant.

Disk capacity	Model number	Part number	RoHS <sup>1</sup>	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
		005050276 005049808	CO CO	NO NO			
900 GB	V2-PS10E-900	005050243 005050457	CO CO	NO NO	6Gb SAS	10K rpm	2.4.0.20932
600 GB	V2-PS15-600	005049039 005049678 005049906	CO CO CO	NO NO NO	6Gb SAS	15K rpm	2.0.0.12628
300 GB	V2-PS15-300	005049037 005049674 005049905	CO CO CO	NO NO NO	6Gb SAS	15K rpm	2.0.0.12628

**Table 2 VNXe3100 & VNXe3150 2.5" 25-Slot Enclosures:**

Disk capacity	Model number	Part number	RoHS	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
300 GB	V2-2S10-300	005049821 005049197 005050279	CO CO CO	NO	6Gb SAS	10K rpm	2.3.1.19462
600 GB	V2-2S10-600	005049820 005049203	CO CO	NO	6Gb SAS	10K rpm	2.3.1.19462

Disk capacity	Model number	Part number	RoHS	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
		005050285	CO				
900 GB	V2-2S10-900	005049295 005049206 005049951	CO CO CO	NO	6Gb SAS	10K rpm	2.3.1.19462
900 GB	V2-2S10E-900	005049574 005050454	CO CO	NO	6Gb SAS	10K rpm	2.4.0.20932
100 GB	V2-2S6F-100	005049296 005049263	CO CO	NA	6Gb SAS 2.5" EFD	NA	2.3.1.19462
		005050187 005049621 005050367	CO CO CO	NA	6Gb SAS 2.5" EFD	NA	2.4.0.20932
200 GB	V2-2S6F-200	005049297 005049264	CO CO	NA	6Gb SAS 2.5" EFD	NA	2.3.1.19462
		005050188 005049622 005050368	CO CO CO	NA	6Gb SAS 2.5" EFD	NA	2.4.0.20932

**Note:** NEBS models are shown in (parenthesis). Only those part numbers with a 'YES' entry in the NEBS column may be used for NEBS models.

**Table 3 VNXe3300 3.5" 15-Slot Enclosures:**

Disk capacity	Model number (NEBS Model)	Part number	NEBS	RoHS1	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
3 TB	V3-VS07-030E	005049278 005049280 005049945		CO CO	NO	6Gb SAS	7.2K rpm	2.3.1.19462
3 TB	V3-VS07E-030E	005049582 005050456		CO CO	NO	6Gb SAS	7.2K rpm	2.4.0.20932
2 TB	V3-VS07-020E	005049277 005049279 005049497 005049450 004059496 005050290		CO CO CO CO CO	NO	6Gb SAS	7.2K rpm	2.0.0.12628
1 TB	V3-VS07-010E	005049407 005049305 005049494 005049493 005050287		CO CO CO CO	NO	6Gb SAS	7.2K rpm	2.1.0.14097
900 GB	V3-VS10-900E	005049302	YES	CO	NO	6Gb SAS	10K rpm	2.3.1.19462

Disk capacity	Model number (NEBS Model)	Part number	NEBS	RoHS1	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
	(N3-VS10-900E)	005049205 <b>005049956</b> 005049806 <b>005049807</b>	YES YES NO NO	CO CO CO CO				
900 GB	V3-VS10E-900E	<b>005050242</b> <b>005050455</b>	NO NO	CO CO	NO	6Gb SAS	10K rpm	2.4.0.20932
600 GB	V3-VS15-600E & (N3-VS15-600E)	005049274 <b>005049272</b> 005049675 <b>005049677</b> <b>005049939</b>	YES YES NO NO YES	CO CO CO CO CO	NO	6Gb SAS	15K rpm	2.0.0.12628
300 GB	V3-VS15-300E & (N3-VS15-300E)	005049273 <b>005049271</b> 005049671 <b>005049673</b>	YES YES YES YES	CO CO CO CO	NO	6Gb SAS	15K rpm	2.0.0.12628
100 GB	V3-VS6F-100E & (N3-VS6F-100E)	005049184 <b>005049229</b> 005049882	YES NO YES	CO CO CO	NO	6Gb SAS 3.5" EFD	NA	2.1.0.14097
		<b>005050185</b> 005050183 <b>005050363</b> <b>005050361</b>	NO NO NO NO	CO CO CO CO	NO	6Gb SAS 3.5" EFD	NA	2.4.0.20932

**Table 4 VNXe3300 2.5" 25-Slot Enclosures:**

Disk capacity	Model number (NEBS Model)	Part number	NEBS	RoHS	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
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Disk capacity	Model number (NEBS Model)	Part number	NEBS	RoHS	Spin-Down Support	Drive type	Spindle speed	Minimum OE software revision
300 GB	V3-2S10-300E & (N3-2S10-300E)	005049821	YES	CO	NO	6Gb SAS	10K rpm	2.3.1.19462
		005049197	YES	CO				
		005050279	YES	CO				
600 GB	V3-2S10-600E & (N3-2S10-600E)	005049820	YES	CO	NO	6Gb SAS	10K rpm	2.3.1.19462
		005049203	YES	CO				
		005050285	YES	CO				
900 GB	V3-2S10-900E & (N3-2S10-900E)	005049295	YES	CO	NO	6Gb SAS	10K rpm	2.3.1.19462
		005049206	YES	CO				
		005049951	YES	CO				
900 GB	V3-2S10E-900E	005049574	NO	CO	NO	6Gb SAS	10K rpm	2.4.0.20932
		005050454	NO	CO				
100 GB	V3-2S6F-100E & (N3-2S6F-100E)	005049296	YES	CO	NA	6Gb SAS 2.5" EFD	NA	2.3.1.19462
		005049263	YES	CO				
		005050187	NO	CO	NA	6Gb SAS 2.5" EFD	NA	2.4.0.20932
		005049621	NO	CO				
005050367								
200 GB	V3-2S6F-200E & (N3-2S6F-200E)	005049297	YES	CO	NA	6Gb SAS 2.5" EFD	NA	2.3.1.19462
		005049264	YES	CO				
		005050188	NO	CO	NA	6Gb SAS 2.5" EFD	NA	2.4.0.20932
		005049622	NO	CO				
		005050368	NO	CO				

## Supported disk-array enclosures

Table 5 lists the disk-array enclosures (DAEs) supported for VNXe3100, VNXe3150 and VNXe3300 storage systems.

**Table 5** Supported disk-array enclosures (DAEs)

DAE type	Storage systems supported		
	VNXe3100	VNXe3150	VNXe3300
V31-DAE-R-15E	N/A	N/A	YES
V31-DAE-N-15E	N/A	N/A	YES
V31-DAE-R-25E	N/A	N/A	YES
V31-DAE-N-25E	N/A	N/A	YES
V2-DAE-12	YES	YES	N/A
V2-DAE-25	YES	YES	N/A

Table 6 lists the 3.5" disk models supported for these DAEs.

**Table 6** Disk models supported for VNXe 3.5" disk-array enclosures (DAEs)

DAE type	Disk Models Supported						
	V2-PS07	V2-PS10	V2-PS15	V3-VS07	V3-VS10	V3-VS15	V3-VS6F
V31-DAE-R-15E	N/A	N/A	N/A	YES	YES	YES	YES
V31-DAE-N-15E	N/A	N/A	N/A	YES	YES	YES	YES
V2-DAE-12	YES	YES	YES	N/A	N/A	N/A	N/A

Table 7 lists the 2.5" disk models supported for these DAEs.



**Table 7 Disk models supported for VNXe 2.5" disk-array enclosures (DAEs)**

DAE type	Disk Models Supported			
	V2-2S10	V2-2S6F	V3-2S10	V3-2S6F
V31-DAE-R-25	N/A	N/A	YES	YES
V31-DAE-N-25	N/A	N/A	YES	YES
V2-DAE-25	YES	YES	N/A	N/A

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