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.feedback_submit { transform: translateX(280px) translateY(0px); font-weight: bold; } #tofeedback{ margin-top: 2px !important; color:#0057B8 !important; font-weight:600 !important; }
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Installation and Upgrade Checklist Report for Storage Foundation Cluster File System HA 5.1SP1, Red Hat Enterprise Linux 5 , x86-64

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<p>Note: You have not selected the latest product version. Consider installing or upgrading to the latest version; otherwise, you may encounter issues that have already been fixed. To run a new report for the latest product version, select it from the Veritas product drop-down list.</p> <p>In the VxFS 5.1 SP1 release, you can create and mount only file systems with disk layout Version 6, Version 7, or Version 8. Neither VxFS 5.1 nor VxFS 5.1 SP1 supports disk layout version 4. Before you install VxFS 5.1 you can upgrade this unsupported layout version online using the vxupgrade utility.</p> <p>Before you install VxFS 5.1, you should upgrade VxFS disk layouts to a supported version. VxFS 5.1 SP1 can mount disk layout version 4 only to perform an online upgrade. Note that VxFS 5.1 cannot mount disk layout version 4.</p> <p>For more information about this issue, see <a href="http://www.symantec.com/docs/TECH78028">http://www.symantec.com/docs/TECH78028</a>.</p> <p>For more information about disk layouts, see Veritas File System Administrator's Guide.</p> <p><b>Array Support Libraries (ASLs)</b></p> <p>When installing Veritas products, please be aware that ASLs updates are not included in the patches update bundle. Please go to the Array Support Libraries (ASLs) to get the latest updates for your disk arrays.</p>			
▼ System requirements <span>Back to top</span>			
Required number of CPUs: 2			
Required memory: 1 GB			
Required disk space:			
Partitions	Minimum space required	Maximum space required	Recommended space

/opt	527 MB	1004 MB	931 MB
/root	79 MB	83 MB	83 MB
/usr	152 MB	153 MB	153 MB
/var	1 MB	1 MB	1 MB











Supported architectures:

- AMD Opteron architecture [1]
- Intel EM64T architecture [1]

1. Supports only the 64-bit versions of the software stacks.

Product documentation

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Product guides	
Release Notes	  Veritas Storage Foundation Cluster File System Release Notes - English
Storage Foundation Cluster File System Guides	  Veritas Storage Foundation Cluster File System Installation Guide - English
	  Veritas Storage Foundation Cluster File System Administrator's Guide - English
File System Guides	  Veritas File System Administrator's Guide - English
	  Veritas File System Programmer's Reference Guide - English

Patches for Storage Foundation Cluster File System HA and Platform

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Product (recommended)		
Patch	Date	Size
<a href="#">cpi-5.1SP1RP4P3</a>	2016-06-01	7.61 KB
<a href="#">cpi-5.1SP1HF14</a>	2014-09-03	24.31 KB
<a href="#">sfha-rhel5_x86_64-5.1SP1RP4</a>	2013-08-21	214.62 MB
<a href="#">cpi-5.1SP1RP2P5</a>	2013-03-27	5.15 KB
<a href="#">cpi-5.1SP1RP1P4</a>	2012-10-31	6.77 KB
<a href="#">vea-5.1SP1RP1HF1</a>	2012-03-22	31.57 MB

Platform (required)  
No patches required.

End of Support Life information

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Last updated on 2024-04-19. Refer to [EOSL page](#) for more information about support.

Release Date(GA)	Extended Support Starts	Sustaining Support Starts	End of Support Life Date(EOSL)
2010-10-30	2016-12-19	2018-12-31	2024-12-31

Platform configuration

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Unless otherwise stated, the specified Veritas product supports all platform kernel versions.

Supported platform version

Product versionPlatform version5.1SP1 Red Hat Enterprise Linux 5

Required platform packages:

- compat-libstdc++-33.x86\_64 3.2.3
- coreutils.x86\_64 5.97
- ed.x86\_64 0.2
- findutils.x86\_64 4.2.27
- glibc.i686 2.5
- glibc.x86\_64 2.5
- ksh.x86\_64 20080202
- libacl.i386 2.2.39
- libgcc.i386 4.1.2
- libgcc.x86\_64 4.1.2
- libstdc++.i386 4.1.2
- module-init-tools.x86\_64 3.3
- pam.i386 0.99.6.2
- pam.x86\_64 0.99.6.2
- parted.i386 1.8.1
- parted.x86\_64 1.8.1
- policycoreutils.x86\_64 1.33.12

Related documentation

[Red Hat Enterprise Linux 5](#)

Host bus adapter (HBA) parameters and switch parameters

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Unless otherwise stated, the specified Veritas product supports all HBAs (except iSCSI HBAs) and fibre channel switches supported by the platform and storage array manufacturers listed in the hardware compatibility list (HCL). For more details, click the link to the [HCL](#).

## Operations Manager

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Veritas InfoScale Operations Manager gives you a single, centralized management console for the InfoScale products. You can use it to monitor, visualize, and manage storage and cluster resources, and generate reports about these components in the Management Server domain. It can also help administrators centrally manage diverse data center environments. This section lists the documents for Veritas InfoScale Operations Manager 8.0.2.

Documentation

## Array Support Libraries (ASLs)

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Array family (model)	Documentation	Libraries	
3PAR E-Class, S-Class		libvx3par (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Dell EqualLogic PS3000 series		libvxeqllogic (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Dell EqualLogic PS4000 series		libvxeqllogic (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Dell EqualLogic PS5000 series		libvxeqllogic (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Dell EqualLogic PS6000 series		libvxeqllogic (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON AX series		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX series	<a href="#">CLARiiON CX Series</a>	libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX series with PowerPath	<a href="#">CLARiiON CX Series</a>	libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX3 series		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX3 series with PowerPath		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX4 series		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC CLARiiON CX4 series with PowerPath		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC Symmetrix 8000 series	<a href="#">EMC Symmetrix 8000 Series</a>	libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC Symmetrix DMX series	<a href="#">EMC Symmetrix DMX Architecture</a>	libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC Symmetrix DMX series with PowerPath	<a href="#">EMC Symmetrix DMX Architecture</a>	libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC Symmetrix VMAX series		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC Symmetrix VMAX series with PowerPath		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>

EMC VMAX3/VMAX All Flash Family series		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC VNX series		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC VNX series with PowerPath		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC VNX2 series		libvxCLARiiON (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC VNX2 series with PowerPath		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
EMC VPLEX		libvxInvista (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS DX400/DX500 /DX600 series		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS DX60/DX80/DX90 /DX100/DX200 series		libvxfjtsye2k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxfjtsye2k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS DX8000 series		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS2000 series	<a href="#">ETERNUS2000 Disk Storage Systems</a>	libvxfjtsye2k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxfjtsye2k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS4000 series	<a href="#">ETERNUS4000 Disk Storage Systems</a>	libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS8000 series	<a href="#">ETERNUS8000 Disk Storage Systems</a>	libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxFJTSYe8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Fujitsu ETERNUS VS850		libvxibmsvc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxibmsvc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise 2000 G2 series		libvxmsa2kfc_sa (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise 3PAR F/T-Class, StoreServ 7000/8000/10000 /20000 Storage		libvx3par (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise EVA4000 /6000/8000		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise EVA4100 /6100/8100		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise EVA4400 /6400/8400 series		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise MSA2000fc series		libvxmsa2k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>

Hewlett Packard Enterprise P2000 G3 MSA series		libvxmsa2kfc_sa (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise P6000 EVA series		libvxhpalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise XP10000 /12000		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp12k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp256 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise XP20000 /24000		libvxxp256 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp12k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hewlett Packard Enterprise P9500		libvxxp12k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp1281024 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxp256 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi AMS/WMS series		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi HUS 100 series	<a href="#">Hitachi Unified Storage 100 Family</a>	libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi Lightning 9900V series	<a href="#">Lightning 9900V Series Enterprise Storage Systems</a>	libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi SMS/AMS2000 series		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi Thunder 9500V series	<a href="#">Thunder 9500V Series Modular Storage Systems</a>	libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi USP/NSC series		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi USPV/USPVM		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi VSP G series		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>

Hitachi VSP Gx00/Fx00 series		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi HUS VM		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi TMS1000		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsalua (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Hitachi VSP		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Huawei S5000 series		libvxhuawei (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Huawei S5000T series		libvxhuawei (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Huawei VIS series		libvxhuawei (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhuawei (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM Storwize series		libvxibmsvc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxibmsvc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage DS3000 series		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage DS5000 series		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage DS6000 series	<a href="#">IBM System Storage DS6000 Series</a>	libvxibmds6k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage DS8000 series	<a href="#">IBM System Storage DS8000 series</a>	libvxibmds8k (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage N series	<a href="#">IBM System Storage N series</a> <a href="#">IBM System Storage N7000 Modular Disk Storage System</a>	libvxnetapp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM System Storage XIV series		libvxxiv (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxxiv (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
IBM TotalStorage DS4000 series	<a href="#">IBM DS4000 series: Overview - IBM TotalStorage Disk Storage Systems</a>	libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC iStorage D1/D3 series		libvxnipnyis (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxnipnyis (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC iStorage M series		libvxnipnyis (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC iStorage S4000 series		libvxnipnyis (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxnipnyis (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC Symmetrix DMX-4 with		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>

PowerPath		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC Symmetrix DMX-4		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxpp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC Symmetrix VMAX		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NEC Symmetrix VMAX with PowerPath		libvxemc (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NetApp FAS2000/FAS900/FAS200 series		libvxnetapp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NetApp FAS3000/V3000 series		libvxnetapp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NetApp FAS6000/V6000 series		libvxnetapp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
NetApp FAS8000/FAS9000 Series		libvxnetapp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle Axiom series		libvxpillaraxiom (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle Storage 6580/6780 series		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 2500 series		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 9900 series		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 9985/9990 series		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle ZFS Storage Appliance series		libvxsun7x10 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 6140 array		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 9985V system		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle StorageTek 9990V system		libvxhds9980 (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhdsusp (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxhds (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
Oracle Sun Storage 6180 array		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>
		libvxlsiall (embedded in the package <a href="#">VRTSaslapm</a> )	See <a href="#">TechNote</a>

