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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; }
```

Installation and Upgrade Checklist Report for Storage Foundation Cluster File System HA 5.1SP1, Solaris 10, SPARC

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Important Notes

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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.

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 versions 4 and 5. Before you install VxFS 5.1 or higher, you can upgrade these unsupported layout versions online.

Before you install VxFS 5.1, you should upgrade VxFS disk layouts to a supported version. VxFS 5.1 SP1 can mount disk layout versions 4 and 5 only to perform an online upgrade. Note that VxFS 5.1 cannot mount disk layout versions 4 and 5.

Use the vxfsconvert utility to upgrade disk layout Version 1 and 2 to disk layout Version 5 while the file system is not mounted. Use the vxupgrade utility to upgrade other disk layout versions to Version 7 or Version 8 online.

For more information about this issue, see <http://www.symantec.com/docs/TECH78028>.

For more information about disk layouts, see Veritas File System Administrator's Guide.

Array Support Libraries (ASLs)

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.

System requirements

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Required number of CPUs: 2

Required memory: 1 GB

Required disk space:

Partitions	Minimum space required	Maximum space required	Recommended space
/opt	349 MB	643 MB	597 MB
/root	69 MB	70 MB	70 MB
/usr	189 MB	189 MB	189 MB
/var	268 MB	764 MB	757 MB

Supported architectures:

SPARC M5 series [1][2]

SPARC M6 series [1][2]

SPARC T3 series [2]

SPARC T4 series [2][3]

SPARC T5 series [2][4]

SPARC64 X+ series

SPARC64-V series

SPARC64-VI series

SPARC64-VII/VII+ series

SPARC64-X series

UltraSPARC II series

UltraSPARC III series

UltraSPARC IV series

UltraSPARC T1 series [2]

UltraSPARC T2/T2+ series [2]

1. A minimum version of Storage Foundation 5.1SP1RP3, and Solaris 10 1/13 are required for support.
2. Oracle VM Server for SPARC supported. See the following TechNote: <http://www.veritas.com/docs/DOC4397>.
3. Installation of Storage Foundation products may encounter issue on Oracle T4 servers, see TechNote <http://www.veritas.com/docs/TECH177307>.
4. A minimum version of Storage Foundation 5.1SP1RP3 is required for support.



Related documentation[Multi-core multi-thread processor SPARC64 Series](#)[Oracle's SPARC T3](#)[SPARC T3 Processor Overview](#)[SPARC T4 Processor Data Sheet](#)[UltraSPARC - III CPU Module Installation Guide](#)[UltraSPARC IIs CPU Module Installation Guide](#)[UltraSPARC Processors](#)



Product guides

Release Notes



  Veritas Storage Foundation Cluster File System Release Notes - English

File System Guides

  Veritas File System Administrator's Guide - English

  Veritas File System Programmer's Reference Guide - 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

Patches for Storage Foundation Cluster File System HA and Platform

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Product (recommended)

Patch	Date	Size
cpi-5.1SP1RP4P3	2016-06-01	7.61 KB
vcs-sol10_sparc...Svc5.1SP1RP4P1	2015-12-17	60.38 MB
cpi-5.1SP1HF14	2014-09-03	24.31 KB
sfha-sol_sparc-5.1SP1RP4	2013-08-21	207.09 MB
cpi-5.1SP1RP2P5	2013-03-27	5.15 KB
vcs-sol10_sparc...xfen-5.1SP1RP3P2	2013-01-14	610.54 KB
vcs-sol10_sparc...Samf-5.1SP1RP3P1	2012-11-08	332.49 KB
cpi-5.1SP1RP1P4	2012-10-31	6.77 KB
perl-sol_sparc-5.1P1	2012-10-12	14.73 KB

Platform (required)

Solaris patch number: [119042-02](#)

Solaris patch number: [119254-06](#)

Solaris patch number: [125731-02](#)

Solaris patch number: [127111-01](#)

Solaris patch number: [128306-05](#)

To check if the patch has been installed, use the `showrev -p | grep patch_number` command

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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Supported platform version

Product versionPlatform version5.1SP1Solaris 10

Required platform packages:

- SUNWcsu
- SUNWpool

Related documentation

- [Oracle Solaris 10 Operating System Overview](#)
- [Oracle Solaris 10 8/11 Product Documentation](#)

▼ 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 VRTSaslapm)	See TechNote
Dell EqualLogic PS3000 series		libvxelogic (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS4000 series		libvxelogic (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS5000 series		libvxelogic (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS6000 series		libvxelogic (embedded in the package VRTSaslapm)	See TechNote
Dell SC Series		libvxcompellent (embedded in the package VRTSaslapm)	See TechNote
		libvxcompellent (embedded in the package VRTSaslapm)	See TechNote

Dot Hill 2730/2730T		libvxdothill (embedded in the package VRTSaslapm)	See TechNote
Dot Hill 5730		libvxdothill (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON AX series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX series	CLARiiON CX Series	libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX series with PowerPath	CLARiiON CX Series	libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX3 series		libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX3 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX4 series		libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX4 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix 8000 series	EMC Symmetrix 8000 Series	libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix 8000 series with PowerPath	EMC Symmetrix 8000 Series	libvxemc (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix DMX series	EMC Symmetrix DMX Architecture	libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix DMX series with PowerPath	EMC Symmetrix DMX Architecture	libvxemc (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix VMAX series with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC Symmetrix VMAX series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC VMAX3/VMAX All Flash Family series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC VNX series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VNX series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VNX2 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VNX2 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VPLEX		libvxInvista (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS DX400/DX500 /DX600 series		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
		libvxfjtsye2k (embedded in the package VRTSaslapm)	See TechNote

Fujitsu ETERNUS DX60/DX80/DX90 /DX100/DX200 series		libvxfjtsye2k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS DX8000 series		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS2000 series	ETERNUS2000 Disk Storage Systems	libvxfjtsye2k (embedded in the package VRTSaslapm)	See TechNote
		libvxfjtsye2k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS4000 series	ETERNUS4000 Disk Storage Systems	libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS6000 series	ETERNUS6000 Storage Systems	libvxFJTSYe6k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS8000 series	ETERNUS8000 Disk Storage Systems	libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
		libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu FibreCAT SX80/100 series		libvxfsc (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS VS850		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise 3PAR F/T-Class, StoreServ 7000/8000/10000 /20000 Storage		libvx3par (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise EVA4000 /6000/8000		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise EVA4100 /6100/8100		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise EVA4400 /6400/8400 series		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6000 EVA series		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP10000 /12000		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP128 /1024		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP20000 /24000		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote

		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P9500		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
Hitachi AMS/WMS series		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi HUS 100 series	Hitachi Unified Storage 100 Family	libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi Lightning 9900V series	Lightning 9900V Series Enterprise Storage Systems	libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
Hitachi SMS/AMS2000 series		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi Thunder 9500V series	Thunder 9500V Series Modular Storage Systems	libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi USP/NSC series		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi USPV/USPVM		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi VSP G series		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
Hitachi VSP Gx00/Fx00 series		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
Hitachi HUS VM		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
Hitachi TMS1000		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi VSP		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote

Huawei S5000 series		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei S5000T series		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei VIS series		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
IBM ESS 750/800 series	IBM Enterprise Storage Server family 750/800	libvxshark (embedded in the package VRTSaslapm)	See TechNote
IBM Storwize series		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS5000 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS6000 series	IBM System Storage DS6000 Series	libvxibmds6k (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS8000 series	IBM System Storage DS8000 series	libvxibmds8k (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage N series	IBM System Storage N series IBM System Storage N7000 Modular Disk Storage System	libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage XIV series		libvxxiv (embedded in the package VRTSaslapm)	See TechNote
		libvxxiv (embedded in the package VRTSaslapm)	See TechNote
IBM TotalStorage DS4000 series	IBM DS4000 series: Overview - IBM TotalStorage Disk Storage Systems	libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
IBM DS3950		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
IBM DS5020		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage D1/D3 series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage D8 series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage M series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage S1000 series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage S2000 series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage S4000 series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NEC Symmetrix DMX-4		libvxpp (embedded in the package VRTSaslapm)	See TechNote

		libvxemc (embedded in the package VRTSaslapm)	See TechNote
NEC Symmetrix DMX-4 with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
NEC Symmetrix VMAX with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
NEC Symmetrix VMAX		libvxemc (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS2000/FAS900/FAS200 series		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS3000/V3000 series		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS6000/V6000 series		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS8000/FAS9000 Series		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
Oracle Axiom series		libvxpillaraxiom (embedded in the package VRTSaslapm)	See TechNote
Oracle Storage 6580/6780 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 2500 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9900 series		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9985/9990 series		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Oracle ZFS Storage Appliance series		libvxsun7x10 (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 6140 array		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9985V system		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9990V system		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Oracle Sun Storage 6180 array		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
StorageTek FlexLine 200/300 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Sun StorEdge 3510/3511		libvxsunse3k (embedded in the package VRTSaslapm)	See TechNote
Sun StorageTek 3310		libvxsunse3k (embedded in the package VRTSaslapm)	See TechNote

Sun StorageTek 3320		libvxsunse3k (embedded in the package VRTSaslapm)	See TechNote
Sun StorageTek 6130		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote