.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 6.2.1, SUSE Linux Enterprise Server 12 , x86-64

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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 this release, SUSE Linux Enterprise (SLES) 12 support is enabled. You can download the Platform Release from http://fileConnect.symantec.com. 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

Recommended speed of CPUs: 1 GHz

Required memory: 2 GB

Required disk space:

Partitions	Minimum space required	Maximum space required	Recommended space
/opt	644 MB	928 MB	926 MB
/root	78 MB	79 MB	79 MB
/usr	91 MB	91 MB	91 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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Patches for Storage Foundation Cluster File System HA and Platform

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Product (recommended)

Patch	Date	Size
cpi-Patch-6.2.1.2200	2022-12-10	54.39 KB
sfha-sles12.4_x...Patch-6.2.1.4100	2019-11-20	110.87 MB
sfha-sles12sp3_...-Patch-6.2.1.400	2018-04-03	93.74 MB
vcsag-sles12_x8...-Patch-6.2.1.100	2017-06-15	12.2 MB
cpi-Patch-6.2.1.1100	2017-02-14	33.08 KB
sfha-sles12sp1_...-Patch-6.2.1.200	2016-07-04	109.66 MB
vcsea-sles12_x8...-Patch-6.2.1.200	2016-05-20	1.6 MB
glm-sles12_x86...Patch-6.2.1.100	2015-09-08	1.47 MB
vcscvm-sles12_x8...-Patch-6.2.1.100	2015-08-31	1.53 MB

Platform (required)
No patches required.

End of Support Life information

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Last updated on 2024-03-25. Refer to support fundamental for more information about support.

Release Date(GA)	Extended Support Starts	Sustaining Support Starts	End of Support Life Date(EOSL)
2015-04-23	2020-10-03	2022-12-30	2028-12-30

Platform configuration

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

Supported platform version. Last updated on 2021-08-11

Product versionPlatform version6.2.1GA, SP1, SP2 with product patch, SP3 with product patch, SP4 with product patch

Required platform packages:

For SLES12SP0:

libudev1-32bit-210-44.1.x86_64
parted-3.1-13.1.x86_64

glibc-32bit-2.19-17.72.x86_64
pam-32bit-1.1.8-11.57.x86_64
libstdc++6-32bit-4.8.3+r212056-6.3.x86_64
libgcc_s1-32bit-4.8.3+r212056-6.3.x86_64
glibc-2.19-17.72.x86_64
libacl1-32bit-2.2.52-3.148.x86_64
findutils-4.5.12-5.124.x86_64
ed-1.9-3.63.x86_64
coreutils-8.22-5.17.x86_64
kmod-compat-17-1.18.x86_64
libreadline6-6.2-75.2.x86_64
libgcc_s1-4.8.3+r212056-6.3.x86_64
libacl1-2.2.52-3.148.x86_64
libopenssl1_0_0-1.0.1i-2.12.x86_64
libstdc++6-4.8.3+r212056-6.3.x86_64
mksh-50-2.13.x86_64

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
		libvx3par (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS3000 series		libvxeqlogic (embedded in the package VRTSaslapm)	See TechNote

Dell EqualLogic PS4000 series		libvxeqlogic (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS5000 series		libvxeqlogic (embedded in the package VRTSaslapm)	See TechNote
Dell EqualLogic PS6000 series		libvxeqlogic (embedded in the package VRTSaslapm)	See TechNote
Dell SC Series		libvxcompellent (embedded in the package VRTSaslapm)	See TechNote
Dell Compellent Series 40		libvxcompellent (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX3 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX3 series with PowerPath		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX4 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC CLARiiON CX4 series with PowerPath		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 series with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC VMAX3 series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
EMC VNX series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VNX2 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
EMC VPLEX		libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxInvista (embedded in the package VRTSaslapm)	See TechNote
		libvxInvista (embedded in the package VRTSaslapm)	See TechNote
EMC VPLEX with PowerPath		libvxInvista (embedded in the package VRTSaslapm)	See TechNote
		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC XtremIO with PowerPath		libvxpp (embedded in the package VRTSaslapm)	See TechNote
EMC XtremIO		libvxpp (embedded in the package VRTSaslapm)	See TechNote
		libvxXtremio (embedded in the package VRTSaslapm)	See TechNote
		libvxXtremio (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS DX400/DX500 /DX600 series		libvxFJTSYe8k (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
Fujitsu ETERNUS2000 series	ETERNUS2000 Disk Storage Systems	libvxfjtsye2k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS4000 series	ETERNUS4000 Disk Storage Systems	libvxFJTSYe8k (embedded in the package VRTSaslapm)	See TechNote
Fujitsu ETERNUS8000 series	ETERNUS8000 Disk Storage Systems	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
Hewlett Packard Enterprise 2000 G2 series		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
		libvxmsa2kfc_sa (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
		libvx3par (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise EVA4100 /6100/8100		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise EVA4400 /6400/8400		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise MSA2000fc series		libvxmsa2k (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P2000 G3 MSA series		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
		libvxmsa2kfc_sa (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		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (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
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise MSA 1040 SAN		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise MSA 2040 SAN		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
		libvxmsa2kfc_sa (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P9500		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
Hitachi HUS 100 series	Hitachi Unified Storage 100 Family	libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote

Hitachi SMS/AMS2000 series		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi USP/NSC series		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (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
		libvxhdsusp (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		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi HUS VM		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi VSP		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi VSP G1000		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
Huawei S5000 series		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
Huawei 18500		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei 18800		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei 18800F		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei HVS85T		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei HVS88T		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
IBM Storwize series		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS3000 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote

		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS3500 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxlsiall (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	libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage XIV series		libvxxiv (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
NetApp E_SERIES		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS2000/FAS900/FAS200 series		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS3000/V3000 series		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS6000/V6000 series		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
NetApp FAS8000 Series		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapp (embedded in the package VRTSaslapm)	See TechNote
		libvxnetapplsi (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		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9985/9990 series		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (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		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9990V system		libvxhds9980 (embedded in the package VRTSaslapm)	See TechNote
		libvxhds (embedded in the package VRTSaslapm)	See TechNote
		libvxhdsusp (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
SanDisk ioDrive		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
SanDisk ioDrive2		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
		libvxfusionio (embedded in the package VRTSaslapm)	See TechNote
SanDisk ION Data Accelerator		libvxfusionION (embedded in the package VRTSaslapm)	See TechNote
Violin Memory Violin 3000/6000 series		libvxviolin (embedded in the package VRTSaslapm)	See TechNote
		libvxviolin (embedded in the package VRTSaslapm)	See TechNote