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```

Installation and Upgrade Checklist Report for InfoScale Storage 7.0, AIX 6.1, POWER

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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.

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.

▼ Components for InfoScale

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The InfoScale product you selected contains the following component(s).

Dynamic Multi-Pathing

Storage Foundation

Storage Foundation Cluster File System

Get more introduction of Veritas InfoScale.

▼ System requirements

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Required CPU number and memory:

	Required number of CPUs	Required memory
SF or SFHA	N/A	1GB

SFCFS or SFCFSHA	N/A	2GB
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Required disk space:

Partitions	Minimum space required	Maximum space required	Recommended space
/opt	94 MB	1218 MB	122 MB
/root	2 MB	37 MB	2 MB
/usr	0 MB	257 MB	0 MB

Supported architectures:

- Power4 series
- Power4+ series
- Power5 series
- Power5+ series
- Power6 series
- Power6+ series
- Power7 series
- Power7+ series
- Power8 series
- PowerPC 970MP series

Related documentation

- [IBM System p5 Quad-Core Module Based on POWER5+ Technology: Technical Overview and Introduction](#)
- [POWER7 System RAS](#)
- [Product Preview and Statements of Direction for POWER7 Servers](#)
- [Redbooks - The POWER4 Processor Introduction and Tuning Guide](#)

Product features		Back to top
The features in the list are enabled in this release.		
Feature	InfoScale Storage	
1-256 TB File System	✓	
CFS Multi-transaction server	✓	
Cluster File System	✓	
Cluster Volume Manager	✓	
Compression	✓	
Concurrent I/O	✓	
Data management application programming interface (DMAPI)	✓	
Deduplication	✓	
Device names consistent across cluster nodes	✓	
Device names using Array Volume IDs	✓	
























Direct I/O	✓
Dirty region logging	✓
Dynamic LUN expansion	✓
Dynamic Multi-pathing	✓
Enclosure based naming	✓
File Change Log	✓
File system snapshots	✓
File system storage checkpoints	✓
Flashsnap: Disk group split & join	✓
Flashsnap: Fast resynchronization	✓
Flexible Storage Sharing	✓
Full size instant snapshots	✓
Hardware assisted copy	✓
Heartbeats: LLT over UDP	✓
Heartbeats: Low-priority	✓
Heartbeats:Dedicated Private Network connections	✓
Hot-relocation	✓
Import cloned LUN	✓
Keyless licensing	✓
Mount lock	✓
Named data streams	✓
Online coordinator disk replacement	✓
Online file system defragmentation	✓
Online file system grow & shrink	✓
Online relay out	✓
Online volume grow & shrink	✓
Operations Manager	✓
Oracle Disk Manager (ODM) and Cached ODM (CODM)	✓
Partitioned directories	✓
Portable Data Containers (formerly known as Cross-Platform Data Sharing (CDS))	✓
Quick I/O (QIO) and Cached QIO (CQIO)	✓
Remote mirrors for campus clusters	✓
Replicator option (formerly Volume Replicator)	✓
SCSI-3 based I/O fencing	✓
SCSI3-PGR Fencing with Coordinator Disks	✓
SSD device exploitation	✓
Site awareness with remote mirrors	✓
SmartIO - Volume Manager and File System Read Caching	✓

SmartIO - Write Back Caching (ALL DLV's)	✓
SmartMove	✓
SmartTier (formerly Dynamic Storage Tiering)	✓
Space-optimized instant snapshot	✓
Split-mirror snapshot	✓
Thin storage reclamation	✓
User & group quotas	✓
iSCSI device support	✓
Database storage checkpoints & rollback	Oracle only
FlashSnap: Database	Oracle only
SmartTier for Oracle (formerly Database DST)	Oracle only



















Product documentation

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Product guides

Release Notes	 Veritas InfoScale Release Notes - English
	 Late Breaking News (LBN) - Updates to the Release Notes for Veritas InfoScale 7.0 - English
Getting Started	  Veritas InfoScale Getting Started Guide - English
	  Veritas InfoScale What's new in this release - English
Installation guide	  Veritas InfoScale Installation Guide - English
Storage Foundation Guides	  Storage Foundation Configuration and Upgrade Guide - English
	  Storage Foundation Administrator's Guide - English
	  Dynamic Multi-Pathing Administrator's Guide - English
	  Veritas File System Programmer's Reference Guide - English
Legal Notices	 Veritas InfoScale Third-party Software License Agreements - English
	   Veritas InfoScale Storage and Availability Management for Oracle Databases - English
	   Veritas InfoScale Storage and Availability Management for DB2 Databases - English




InfoScale Solutions Guides

  	Veritas InfoScale Troubleshooting Guide - English
  	Veritas InfoScale Virtualization Guide - English
  	Veritas InfoScale Solutions SmartIO for Solid-State Drives Solutions Guide - English
  	Veritas InfoScale Replication Administrator's Guide - English
  	Veritas InfoScale Disaster Recovery Implementation Guide - English
  	Veritas InfoScale Solutions Guide - English
	Veritas InfoScale Chef Deployment Guide - English

Manual pages

 	Veritas InfoScale Storage Manual Pages - English
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Compatibility lists

	Veritas InfoScale 7.0 and DMP for VMware 7.0 Hardware Compatibility List (HCL) - English
	Veritas InfoScale 7.0 and later Software Compatibility List (SCL) - English
	Veritas InfoScale™ Support Matrix for Sybase® - English

▼ Patches for InfoScale Storage and Platform

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Product (recommended)

Patch

Date

Size

cpi-Patch-7.0.1.600	2021-05-07	14.54 KB
fs-aix-Patch-7.0.1.100	2018-02-28	19.49 MB
infoscale-aix-MR-7.0.1	2015-12-11	465.19 MB

Platform (required)
No patches required.

▼ End of Support Life information

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Last updated on 2024-05-15. Refer to [EOSL page](#) for more information about support.

Release Date(GA)	Extended Support Starts	Sustaining Support Starts	End of Support Life Date(EOSL)
2015-07-05	2020-07-05	2022-07-31	-

▼ Platform configuration

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Supported platform version. Last updated on 2018-06-12

Product versionPlatform version7.0TL8, TL9

Required platform packages:

bos.net.nfs.client

xlC.aix61.rte 9.0.0.0

devices.common.IBM.fc.hba-api

Related documentation

[AIX Version 6.1](#)

▼ 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	
Dell EMC CLARiiON CX3 series with AIX VIO		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC CLARiiON CX3 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC CLARiiON CX3 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote

Dell EMC CLARiiON CX4 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC CLARiiON CX4 series with AIX VIO		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC CLARiiON CX4 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Symmetrix DMX series with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Symmetrix DMX series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Symmetrix VMAX series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Symmetrix VMAX series with AIX VIO		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Symmetrix VMAX series with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Unity series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC Unity series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VMAX3/VMAX All Flash Family series		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VMAX3/VMAX All Flash Family series with PowerPath		libvxemc (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX2 series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX2 series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX2e series with PowerPath		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VNX2e series		libvxCLARiiON (embedded in the package VRTSaslapm)	See TechNote
Dell EMC VPLEX		libvxInvista (embedded in the package VRTSaslapm)	See TechNote
Dell EMC XtremIO		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 ETERNUS VS850		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise 3PAR F/T-Class, StoreServ 7000/8000/9000 /10000/20000 Storage		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 series		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP10000 /12000		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP10000 /12000 with AIX VIO		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 XP20000 /24000		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6300 with AIX VIO		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6300		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6350 with AIX VIO		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6350		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6500 with AIX VIO		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6500		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6550 with AIX VIO		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P6550		libvxhpalua (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise P9500		libvxxp1281024 (embedded in the package VRTSaslapm)	See TechNote
		libvxxp12k (embedded in the package VRTSaslapm)	See TechNote
		libvxxp256 (embedded in the package VRTSaslapm)	See TechNote
Hewlett Packard Enterprise XP7		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 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 SMS/AMS2000 series with AIX VIO		libvxhdsalua (embedded in the package VRTSaslapm)	See TechNote
Hitachi USP/NSC series		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 USPV/USPVM with AIX VIO		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 USPV/USPVM		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
Hitachi VSP G series		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
		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 VSP Gx00/Fx00 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
		libvxhdsusp (embedded in the package VRTSaslapm)	See TechNote
Hitachi HUS VM		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
Hitachi VSP		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
Huawei OceanStor Series		libvxhuawei (embedded in the package VRTSaslapm)	See TechNote
Huawei S5000 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 FlashSystem series		libvxramsan (embedded in the package VRTSaslapm)	See TechNote
IBM Spectrum Virtualize series		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM Spectrum Virtualize series with AIX VIO		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM Storwize series		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM Storwize series with AIX VIO		libvxibmsvc (embedded in the package VRTSaslapm)	See TechNote
IBM System Storage DS5000 series		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 with AIX VIO	IBM System Storage DS8000 series	libvxibmds8k (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
IBM DS3950		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxibmds4k (embedded in the package VRTSaslapm)	See TechNote
IBM DS5020		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
		libvxibmds4k (embedded in the package VRTSaslapm)	See TechNote
Infinidat InfiniBox F-Series with AIX VIO		libvxinfinibox (embedded in the package VRTSaslapm)	See TechNote
NEC iStorage M series		libvxnipnyis (embedded in the package VRTSaslapm)	See TechNote
NetApp AFF Series		libvxnetapp (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 Storage 6580/6780 series		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 2500 series		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
		libvxhdsusp (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
Oracle StorageTek 6140 array		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Oracle StorageTek 9985V system		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 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
Sun StorageTek 6540		libvxlsiall (embedded in the package VRTSaslapm)	See TechNote
Violin Memory Violin 3000/6000 series		libvxviolin (embedded in the package VRTSaslapm)	See TechNote