

Veritas Storage Foundation™ and High Availability Solutions Getting Started Guide

Windows Server 2003, Windows Server
2008

5.1

Veritas Storage Foundation™ and High Availability Solutions Getting Started Guide

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Veritas Storage Foundation and High Availability Solutions 5.1

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Licensing and registration

Storage Foundation for Windows and Storage Foundation HA for Windows are licensed products. See the *Storage Foundation and High Availability Solutions for Windows, Installation and Upgrade Guide* for license installation instructions.

Technical support

For technical assistance, visit

<http://www.symantec.com/business/support/index.jsp>

and select phone or email support. Use the Knowledge Base search feature to access resources such as TechNotes, product alerts, software downloads, hardware compatibility lists, and our customer email notification service.

Getting started with Storage Foundation and High Availability Solutions for Windows

This document includes the following topics:

- [Getting started](#)
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- [Installation](#)
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Getting started

The Veritas Storage Foundation and High Availability Solutions for Windows products are used for enterprise data management and protection, high availability, and disaster recovery. This guide provides an overview of the products in this

release and the contents of the product software disks. It also explains how to obtain a product license

The 5.1 release of Veritas Storage Foundation and High Availability Solutions for Windows includes the following products:

- Veritas Storage Foundation 5.1 for Windows (SFW)
Storage Foundation for Windows offers storage management functionality and support for high availability in a Microsoft Cluster Service (MSCS) environment.
- Veritas Storage Foundation HA 5.1 for Windows (SFW HA)
Storage Foundation HA for Windows combines the storage management capabilities of SFW with the high availability functionality of Veritas Cluster Server (VCS).

These products can be used with the Veritas Volume Replicator option in a disaster recovery environment.

What's included

The Veritas Storage Foundation and High Availability Solutions media kit includes multiple software disks. The disk label describes the contents of each disk.

[Table 1-1](#) describes the media kit contents.

Table 1-1 Media kit contents

Veritas disk	Contents
Veritas Storage Foundation and High Availability Solutions 5.1 for Windows	32-bit and 64-bit versions of SFW and SFW HA.
Veritas Cluster Server Management Console for Windows	32-bit and 64-bit versions of Veritas Cluster Server Management Console.

Note: If you wish to assess products and options for which you have not purchased a license, an evaluation license key is embedded in the product. To use this key click Next at the license key entry screen of the product installer. This license key is valid for a limited evaluation period only.

About Storage Foundation and High Availability Solutions

Veritas Storage Foundation and High Availability Solutions for Windows contains the following components.

Storage Foundation for Windows (SFW)

Veritas Storage Foundation for Windows brings advanced volume management technology, quick recovery, and fault tolerant capabilities to enterprise computing environments.

Veritas Cluster Server (VCS)

Veritas Cluster Server provides is a high availability solution that monitors system and application services and restarts services when hardware or software fails. A VCS cluster connects multiple independent systems to provide failover capability thus reducing application downtime. VCS supports local, metropolitan, and global clusters.

Veritas Volume Replicator (VVR) option

Veritas Volume Replicator provides continuous data replication over IP networks, enabling rapid and reliable recovery of critical applications at remote recovery sites.

Graphical user interfaces

Veritas Storage Foundation and High Availability Solutions for Windows offers several GUIs.

Veritas Enterprise Administrator (VEA) console

The Veritas Enterprise Administrator console provides a graphical view of your storage. It allows you to monitor and manage storage objects including disk groups, disks, volumes, fibre channel and iSCSI storage arrays.

Veritas Cluster Server Management Console

The VCS Management Console allows you to monitor, manage, and report on multiple VCS clusters from a single Web-based console. The console provides enhanced visualization of the managed clusters, centralized control for global applications, and complete reports of each application's availability status.

Cluster Manager (Java console)

Cluster Manager (Java console) offers complete administration capabilities for your cluster. You can use the different views in the Java console to monitor clusters and VCS objects, including service groups, systems, resources, and resource types.

Solutions Configuration Center

The Storage Foundation and High Availability Solutions Configuration Center guides you through setting up your SFW HA environment for various configurations:

- Local area high availability at a single site for new or existing application installations
- Metropolitan area disaster recovery with campus clusters
- Wide area disaster recovery with global clusters
- Quick Recovery for on-host recovery of application data
- Fire drill to test the readiness of your disaster recovery environment

Planning tools

Veritas Storage Foundation and High Availability Solutions for Windows offers several planning tools.

Veritas Cluster Server Simulator

VCS Simulator allows cluster administrators to simulate and test application failover scenarios without affecting production environments.

Veritas Volume Replicator Advisor (VRAdvisor)

The Veritas Volume Replicator Advisor (VRAdvisor) tool allows you to collect and analyze data in order to optimize the replication settings for your environment.

Configuration Checker

The Configuration Checker enables you to verify your configuration before you install SFW HA or before you perform disaster recovery in a Microsoft Exchange or SQL Server environment.

Symantec Licensing Portal

To register and receive a valid software license key, access the Symantec Licensing Portal:

<https://licensing.symantec.com>

You will need the Enterprise License System (ELS) serial number and customer number on your license certificate.

The Symantec Licensing Portal provides access to the following tools for registering and managing license keys:

- License Management: Register and manage product and maintenance licenses.
- Version Upgrades: Register your upgrade notification and receive new version keys.
- Voucher Center: Redeem vouchers created by Symantec business partners. A voucher typically entitles a customer to a specific Symantec software product.
- FileConnect: Download enterprise products as soon as they are available and request physical media shipments for version upgrades.
- Enterprise Flex: Deploy licenses on demand across a variety of Symantec products.
- LKWeb (for use by Symantec business partners): Create and register licenses prior to resale of Symantec products.

For additional help with Symantec product licenses, email questions to:

license@symantec.com.

See the *Storage Foundation and High Availability Solutions Installation and Upgrade Guide* for more information about product licensing.

Installation

Use the product installer to install the software. An SFW HA installation includes Veritas Storage Foundation for Windows and Veritas Cluster Server. You may select other applicable options during the installation.

If you wish to assess products and options for which you have not purchased a license, an evaluation license key is embedded in the product. To use this key click Next at the license key entry screen of the product installer. This license key is valid for a limited evaluation period only.

Review the system requirements before installing or upgrading the product.

See the *Storage Foundation and High Availability Solutions Installation and Upgrade Guide*.

Installation options

During the product installation you choose an installation option, either Complete/Custom or Administrative Console:

- Complete/Custom installs the server components and allows you to customize the installation by choosing to install the client components, documentation, and other product options.
- Administrative Console installs only the Veritas Enterprise Administrator console, Solutions Configuration Center, and for SFW HA, the VCS Cluster Manager (Java console).

Installation methods

You can choose to install the product using either the wizard-driven product installer or silently from the command line. The product installer allows you to install to multiple systems simultaneously. A command line installation is limited to one local or remote system at a time.

What's new in this version

This release of Storage Foundation and High Availability Solutions for Windows contains and builds upon the functionality in previous releases. A description of the new features in this version is available in the Release Notes, which can be found on the product disk or online:

<http://entsupport.symantec.com/docs/303042>

Getting help

For technical assistance, visit the following site and select phone or email support:

<http://www.symantec.com/business/support/index.jsp/>

This site also provides access to resources such as TechNotes, product alerts, software downloads, hardware compatibility lists, and the Symantec customer email notification service. Use the Knowledge Base Search feature to access additional product information, including current and past releases of product documentation.

Documentation

All product documentation is available in Adobe Portable Document Format (PDF).

You can view and print the PDF documents with Adobe Acrobat Reader. For more information on the latest version of Acrobat Reader, or for help with the Acrobat Reader installation, visit the Adobe web site:

<http://www.adobe.com>

Where to find the documentation

Product documentation is available from the following locations:

- Installed with the product and available from the Start menu.
- On the software disks in the `\Docs` directory and, in some cases, at the root of the disk directory structure. To view a document, explore the software disk and double-click the file name.
- On the Symantec Support web site:
<http://www.symantec.com/business/support/index.jsp>

Note: The Release Notes file is located on the product disk. Symantec recommends that you copy the document from the disk to the directory `%Program Files%\Veritas\Docs\ENU` so they are available on your system for reference. Updated Release Notes can be found at

<http://www.symantec.com/business/support/index.jsp>

Documentation set

[Table 1-2](#) lists the product documentation available with Veritas Storage Foundation and High Availability Solutions for Windows.

Table 1-2 Veritas Storage Foundation and High Availability Solutions for Windows documentation set

Title	File Name
Veritas Storage Foundation and High Availability Solutions	<ul style="list-style-type: none"> ■ Veritas Storage Foundation and High Availability Solutions Getting Started Guide (SFW_GettingStarted.pdf) ■ Veritas Storage Foundation and High Availability Solutions Installation and Upgrade Guide (SFW_InstallUpgrade.pdf) ■ Veritas Storage Foundation and High Availability Solutions Release Notes (SFW_ReleaseNotes.pdf) ■ Veritas Storage Foundation and High Availability Solutions Solutions Guide (SFW_Solutions.pdf) ■ Veritas Storage Foundation and High Availability Solutions HA and Disaster Recovery Solutions Guide for Microsoft Exchange 2003 (SFW_HA_DR_Exch2003_Solutions.pdf) ■ Veritas Storage Foundation and High Availability Solutions HA and Disaster Recovery Solutions Guide for Microsoft Exchange 2007 (SFW_HA_DR_Exch2007_Solutions.pdf) ■ Veritas Storage Foundation and High Availability Solutions Quick Recovery and MSCS Solutions Guide for Microsoft Exchange (SFW_QR_MSCS_Exch_Solutions.pdf) ■ Veritas Storage Foundation and High Availability Solutions HA and Disaster Recovery Solutions Guide for Microsoft SQL (SFW_HA_DR_SQL_Solutions.pdf) ■ Veritas Storage Foundation and High Availability Solutions Quick Recovery and MSCS Solutions Guide for Microsoft SQL (SFW_QR_MSCS_SQL_Solutions.pdf)
Veritas Storage Foundation	<ul style="list-style-type: none"> ■ Veritas Storage Foundation Administrator's Guide (SFW_Admin.pdf)

Table 1-2 Veritas Storage Foundation and High Availability Solutions for Windows documentation set (*continued*)

Title	File Name
Veritas Cluster Server	<ul style="list-style-type: none"> ■ Veritas Cluster Server Administrator's Guide (VCS_Admin.pdf) ■ Veritas Cluster Server Agent Developer's Guide (VCS_AgentDev.pdf) ■ Veritas Cluster Server Bundled Agents Reference Guide (VCS_BundledAgents.pdf) ■ Veritas Cluster Server Application Note: Disaster Recovery for Microsoft SharePoint Portal Server 2003 (VCS_AppNote_Sharepoint.pdf) ■ Veritas Cluster Server Application Agent for Microsoft Exchange 2003, Configuration Guide (VCS_Exch_Agent.pdf) ■ Veritas Cluster Server Database Agent for Oracle, Configuration Guide (VCS_Oracle_Agent.pdf) ■ Veritas Cluster Server Database Agent for Microsoft SQL, Configuration Guide (VCS_SQL_Agent.pdf) ■ Veritas Cluster Server Agent for EMC SRDF, Configuration Guide (VCS_SRDF_Agent.pdf) ■ Veritas Cluster Server Agent for EMC MirrorView, Configuration Guide (VCS_MirrorView_Agent.pdf) ■ Veritas Cluster Server Agent for Hitachi TrueCopy, Configuration Guide (VCS_TrueCopy_Agent.pdf) ■ Veritas Cluster Server Agent for IBM Metro Mirror, Configuration Guide (VCS_MetroMirror_Agent.pdf) ■ Veritas Cluster Server Agent for EMC SRDF/Star, Configuration Guide (VCS_SRDFStar_Agent.pdf)
Veritas Cluster Server Management Console	<ul style="list-style-type: none"> ■ Veritas Cluster Server Management Console Implementation Guide (VCMC_Implementation.pdf) ■ Veritas Cluster Server Management Console Release Notes (VCMC_Notes.pdf)
Veritas Volume Replicator	<ul style="list-style-type: none"> ■ Veritas Storage Foundation Volume Replicator, Administrator's Guide (VVR_Admin.pdf) ■ Veritas Storage Foundation Volume Replicator Advisor, User's Guide (VVR_Advisor.pdf)

Table 1-2 Veritas Storage Foundation and High Availability Solutions for Windows documentation set (*continued*)

Title	File Name
Symantec Product Authentication Service	<ul style="list-style-type: none"><li data-bbox="571 355 1188 439">■ Veritas Storage Foundation and High Availability Solutions Quick Start Guide for Symantec Product Authentication Service (SPAS_QuickStart.pdf)<li data-bbox="571 447 1188 499">■ Symantec Product Authentication Service 4.3 Administrator's Guide (SPAS_AT_Admin.pdf)<li data-bbox="571 508 1188 560">■ Symantec Product Authentication Service 4.3 Release Notes (SPAS_AT_ReleaseNotes.pdf)

Providing feedback about the documentation

Your feedback on product documentation is important to us. Send suggestions for improvements and reports on errors or omissions to:

sfwha_docs@symantec.com

Include the title of the document and chapter and section titles of the text on which you are reporting. Our goal is to ensure customer satisfaction by providing effective, quality documentation.

Late-breaking news

For the latest information on updates, patches, and software issues regarding this release, see the following Symantec Technical Support TechNote:

<http://entsupport.symantec.com/docs/303042>

Before installing or upgrading the product, review the current compatibility lists to confirm the compatibility of your hardware and software.

<http://www.symantec.com/business/support/index.jsp>