

Veritas™ Cluster Server for NetApp SnapMirror Getting Started Guide

Windows 2000, Windows Server 2003

5.0 Release Update 1

Veritas Cluster Server Getting Started Guide

Copyright © 2007 Symantec Corporation. All rights reserved.

Symantec, the Symantec logo, and Veritas are trademarks or registered trademarks of Symantec Corporation or its affiliates in the U.S. and other countries. Other names may be trademarks of their respective owners.

The product described in this document is distributed under licenses restricting its use, copying, distribution, and decompilation/reverse engineering. No part of this document may be reproduced in any form by any means without prior written authorization of Symantec Corporation and its licensors, if any.

THIS DOCUMENTATION IS PROVIDED “AS IS” AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID, SYMANTEC CORPORATION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE FURNISHING PERFORMANCE, OR USE OF THIS DOCUMENTATION. THE INFORMATION CONTAINED IN THIS DOCUMENTATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

The Licensed Software and Documentation are deemed to be “commercial computer software” and “commercial computer software documentation” as defined in FAR Sections 12.212 and DFARS Section 227.7202.

Symantec Corporation
20330 Stevens Creek Blvd.
Cupertino, CA 95014
www.symantec.com

Third-party legal notices

Third-party software may be recommended, distributed, embedded, or bundled with this Symantec product. Such third-party software is licensed separately by its copyright holder.

Technical support

For technical assistance, visit:

http://www.symantec.com/enterprise/support/assistance_care.jsp.

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.

Veritas Cluster Server for NetApp SnapMirror

- [About Veritas Cluster Server for NetApp SnapMirror](#)
- [Symantec licensing portal](#)
- [Installation requirements](#)
- [What's new in this version](#)
- [Getting help](#)
- [Documentation](#)
- [Late-breaking news](#)

About Veritas Cluster Server for NetApp SnapMirror

Veritas Cluster Server for NetApp SnapMirror contains the following components:

Veritas Cluster Server (VCS)

Veritas Cluster Server provides the high availability component. A cluster connects multiple independent systems to provide fault tolerance and failover capability thus reducing application downtime. VCS supports local and global clusters. VCS for NetApp combines VCS with NetApp's storage systems to provide transparent server, application and data failover.

Graphical user interfaces

Veritas Cluster Server for NetApp SnapMirror offers several GUIs:

Cluster Management Console (CMC)

The Cluster 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.

Planning tools

Veritas Cluster Server for NetApp SnapMirror offers the following tools:

Cluster Simulator

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

Symantec licensing portal

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

See <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.

Installation requirements

The product installer enables you to install the software for Veritas Cluster Server for NetApp SnapMirror. You may select the desired 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.

Installation options

During the product installation you choose from the following installation options:

- 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 VCS Cluster Manager (Java console).

Installation methods

You can choose either method 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 Veritas Cluster Server for NetApp SnapMirror contains and builds upon the functionality available in the earlier versions of the software. A description of the new features in this version is available in the *Veritas Cluster Server for NetApp SnapMirror Release Notes* which can be found on the product disc or online at:

<http://entsupport.symantec.com/docs/285845>

Getting help

If an issue arises while you are using VCS for NetApp, use the following information to pinpoint the problem and, if necessary, report it to Symantec.

For technical assistance, visit the Symantec Support site and select phone or email support.

See <http://entsupport.symantec.com/>

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.

See <http://www.adobe.com>.

The Release Notes file is located on the Veritas product disc. Symantec recommends that you copy the release notes from the disc 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://entsupport.symantec.com/docs/285845>

Where to find the documentation

Product documentation is available from the following locations:

- installed with the product and available from the Start menu.
- the software discs in the \Docs directory and, in some cases, at the root of the disc directory structure. To view a document, explore the software disc and double-click the file name
- the Symantec Support web site at:
<http://entsupport.symantec.com>.

Documentation set

Table 1-1 lists the product documentation available with Veritas Cluster Server for NetApp SnapMirror.

Table 1-1 VCS for NetApp SnapMirror documentation set

Title	File Name
Veritas™ Cluster Server for NetApp SnapMirror	
<i>Veritas™ Cluster Server for NetApp SnapMirror Getting Started Guide</i>	VCS_GettingStarted.pdf
<i>Veritas™ Cluster Server for NetApp SnapMirror Release Update 1 Release Notes</i>	VCS_ReleaseNotes.pdf
<i>Veritas™ Cluster Server Implementation Guide for Microsoft Exchange with NetApp SnapMirror</i>	VCS_NetApp-Exch.pdf
<i>Veritas™ Cluster Server Implementation Guide for Microsoft Exchange Server 2007 with NetApp SnapMirror</i>	VCS_NetApp-Exch2007.pdf
<i>Veritas™ Cluster Server Implementation Guide for Microsoft SQL with NetApp SnapMirror</i>	VCS_NetApp-SQL.pdf
<i>Veritas™ Cluster Server Implementation Guide for Oracle with NetApp SnapMirror</i>	VCS_NetApp-Oracle.pdf
Veritas™ Cluster Server	
<i>Veritas™ Cluster Server Administrator's Guide</i>	VCS_Admin.pdf
<i>Veritas™ Cluster Server Agent Developer's Guide</i>	VCS_AgentDev.pdf
<i>Veritas™ Cluster Server Bundled Agents Reference Guide</i>	VCS_BundledAgents.pdf
<i>Veritas™ Storage Foundation and High Availability Solutions 5.0 Quick Start Guide for Symantec Product Authentication Service</i>	SPAS_QuickStart.pdf
<i>Symantec Product Authentication Service 4.3 Administrator's Guide</i>	SPAS_AT_Admin.pdf
<i>Symantec Product Authentication Service 4.3 Release Notes</i>	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_solns_docs@symantec.com.

Include the title and part number of the document (located in the lower left corner of the title page), 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/285845>

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

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

