

Veritas FlashSnap™ Agent for Symmetrix Release Notes

Solaris

5.0

Veritas FlashSnap Agent for Symmetrix Release Notes

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Veritas FlashSnap™ Agent 5.0 for Symmetrix

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Veritas FlashSnap Agent for Symmetrix is a licensed product. See the Veritas FlashSnap Agent for Symmetrix Installation Guide for license installation instructions.

Technical support

For technical assistance, visit <http://support.veritas.com> 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.

Contents

Chapter 1	Veritas FlashSnap Agent for Symmetrix Release Notes	
	No Longer Supported	7
	Supported hardware	8
	Compatibility With Previous Versions of VxFAS	8
	Compatibility With Other Symantec Products	8
	Known Issues	9
	Veritas Installation Utility	10
	Veritas FlashSnap Agent for Symmetrix Packages	10
	Documentation	11
	Displaying Documentation Online	11
	Online Manual Pages	11
	Related Resources	12
	Product Error Message	12
	Copyrights	12

Veritas FlashSnap Agent for Symmetrix Release Notes

This guide provides information on Veritas FlashSnap Agent for Symmetrix (VxFAS) release 5.0. VxFAS is component feature of the Veritas FlashSnap™ option to the Veritas Volume Manager (VxVM).

Review this entire document before installing VxFAS. Topics include:

- [No Longer Supported](#)
- [Supported hardware](#)
- [Compatibility With Previous Versions of VxFAS](#)
- [Compatibility With Other Symantec Products](#)
- [Known Issues](#)
- [Veritas Installation Utility](#)
- [Veritas FlashSnap Agent for Symmetrix Packages](#)
- [Documentation](#)
- [Product Error Message](#)
- [Copyrights](#)

No Longer Supported

This release is the last one to offer Veritas FlashSnap Agent for Symmetrix previously named Veritas TimeFinder Tool Kit (VxFAS). It is recommended that

current VxFAS users use VxVM 5.0's new Import LUN Snapshot on Same Host capability instead.

Supported hardware

VxFAS supports the following OSs:

- Solaris 8 (32-bit and 64-bit)
- Solaris 9 (32-bit and 64-bit)
- Solaris 10

For information about hardware supported on this release train, see the HCL located at <http://support.veritas.com/docs/283161>.

Compatibility With Previous Versions of VxFAS

The VxFAS command line utilities are backward compatible with the VxTF release 4.0 and VxFAS release 4.0.

This release of VxFAS can reuse the VCS resource configuration created on VxTF 4.0 and VxFAS 4.0. See the *Veritas FlashSnap Agent for Symmetrix Installation Guide* for steps to upgrade from earlier versions of VxTF or VxFAS to this release of VxFAS.

Note: VxFAS requires the Symmetrix command line interface (SYMCLI) and EMC Solutions Enabler kit V5.2 or above. If you have an older version of SYMCLI, first upgrade SYMCLI software.

Compatibility With Other Symantec Products

VxFAS is now compatible with the `VRTSvail` package installed with Veritas Storage Foundation™ for Oracle. VxFAS now requires the `VRTSvail` package to operate. After installing the `VRTSvail` package, you can use the performance statistics and deep mapping features of the `VRTSvail` package for EMC Symmetrix, and other supported storage arrays, in a mixed SAN environment.

This release of VxFAS operates with other Veritas 4.1 products only on Solaris 8 or Solaris 9.

Known Issues

Latest Product Information

Before installing any product, read the following Symantec Technical Support TechNote for the latest information on updates, patches, and software issues regarding this release:

<http://support.veritas.com/docs/281987>

License Package Not Completely Removed From Local Zones

Some files from the licensing package (VRTSvlic) may not be removed from a local zone that was created after VRTSvlic was originally installed. An error message is displayed if all files are not removed. If the error was encountered, after the package removal process ends, run the following command from the global zone to remove any remaining VRTSvlic files:

```
# rm -rf zonepath/root/var/sadm/pkg/VRTSvlic
```

If you are upgrading a product, and local zones are configured, instead of selecting the installer upgrade procedure (or running the script from the command line), perform the upgrade in steps: Uninstall the product, uninstall the infrastructure packages (uninstallinfr script), then reinstall the product.

Unsupported Features

This release of VxFAS does not support the Solaris 10 operating environment.

VxFAS operations do not work on RAID-5 devices.

VxFAS does not support TimeFinder/Clone and TimeFinder/Snap operations. (The Symmetrix TimeFinder/Clone operation enables the creation of clone copies of a source device to multiple target devices. The TimeFinder/Snap operation manages virtual copy sessions between a source and multiple virtual target devices.)

Symmetrix Disk Groups Cannot Be Split or Joined

When a VxVM disk group is split or joined, the corresponding Symmetrix device group is not reconfigured in VxFAS. The `vxdg split` or `vxdg join` fails with the following error message when VxFAS is installed:

```
VxVM vxdg ERROR V-5-1-10223 Symmetrix API internal failure
```

The VxVM disk groups are reconfigured as expected despite the error message.

Veritas Installation Utility

Symantec products distributed by Symantec have an automated installation and licensing procedure that lets you install packages using the product installer, or invoke installation scripts from the command line. VxFAS is installed as part of Veritas Storage Foundation. You can use the script `install_sf` to install Veritas Storage Foundation. Alternatively, you can install VxFAS using the `pkgadd` command. See the *Veritas FlashSnap Agent for Symmetrix Installation Guide* for instructions on how to install the VxFAS packages.

Veritas FlashSnap Agent for Symmetrix Packages

There are multiple software discs in the product distribution. The contents of each disc is shown on the label. The Veritas FlashSnap Agent for Symmetrix is part of the Storage Foundation product. The following VxFAS packages are in the `storage_foundation/pkgs` directory:

- `VRTSfas`—Veritas FlashSnap Agent for Symmetrix.
- `VRTSfasag`—Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix.
- `VRTSfasdc`—Veritas FlashSnap Agent for Symmetrix documentation

`VRTSfas` is the required VxFAS binary package.

`VRTSfasag` is the optional add-on package of VxFAS for VCS if you want the HA functionality for VxFAS operations.

`VRTSfasdc` is the optional documentation package.

Documentation

The following documents accompany this VxFAS release as Adobe Portable Document Format (PDF) files:

- *Veritas FlashSnap Agent for Symmetrix Installation Guide*
- *Veritas FlashSnap Agent for Symmetrix Administrator's Guide*
- *Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix Installation and Configuration guide*

The *Veritas FlashSnap Agent for Symmetrix Release Notes* are provided on the Veritas software disc in the file `vxfas_notes.pdf` under the `storage_foundation/release_notes` directory. Because product release notes are not installed by any packages, Veritas recommends that you copy them from the software disc to the `/opt/VRTS/docs` directory so that they are available on your system for future reference.

Displaying Documentation Online

The Veritas FlashSnap Agent for Symmetrix guides are provided on the documentation disc as PDF files and in searchable, HTML-based format. The *Veritas FlashSnap Agent for Symmetrix Installation Guide* is provided on the software product disc under the `storage_foundation/docs` directory as a PDF file. To view or print PDF documents, you need the Adobe Acrobat Reader. The following three documents comprise the VxFAS documentation set:

- *Veritas FlashSnap Agent for Symmetrix Installation Guide*
After installing the `VRTSfasdc` package, you can access this guide in the following location: `/opt/VRTS/docs/vxfas_install.pdf`.
- *Veritas FlashSnap Agent for Symmetrix Administrator's Guide*
After installing the `VRTSfasdc` package, you can access this guide in the following location: `/opt/VRTS/docs/vxfas_admin.pdf`.
- *Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix Installation and Configuration guide*
After installing the `VRTSfasdc` package, you can access this guide in the following location: `/opt/VRTS/docs/vxfas_vcsagent_install.pdf`.

See the *Veritas FlashSnap Agent for Symmetrix Installation Guide* for `VRTSfasdc` package installation instructions.

Online Manual Pages

This release includes the online manual pages in the `VRTSfas` package.

The online manual pages are installed in the appropriate directories under `/opt/VRTS/man` (add this to your `MANPATH` environment variable), but this does not automatically update the `windex` database. To ensure that new VxFAS manual pages display correctly, update the `windex` database after installing `VRTSfas`. See the `catman(1M)` manual page for more information.

Related Resources

- *Veritas Storage Foundation Installation Guide*
- *Veritas Volume Manager Administrator's Guide*
- *Veritas Enterprise Administrator User's Guide*
- *Veritas File System Administrator's Guide*
- *EMC PowerPath Product Guide*

Product Error Message

If you encounter a product error message, record the unique message number preceding the text of the message. When contacting Symantec Technical Support, either by telephone or by visiting the Technical Support website at <http://support.veritas.com>, be sure to provide the relevant message number. Technical Support will use this message number to quickly determine if there are TechNotes or other information available for you.

A unique message number is an alpha-numeric string beginning with the letter "V". For example, in the message number:

```
V-5-732-8018 At least one disk must be specified
```

the "V" indicates that this is a Symantec product error message. The text of the error message follows the unique message number.

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