

Veritas™ Storage Foundation and High Availability Solutions Getting Started Guide

Linux

5.0 Maintenance Pack 2



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Getting Started

Veritas Storage Foundation and High Availability Solutions

This document contains information about installing patches for products in the Veritas Storage Solutions and High Availability Solutions 5.0 Maintenance Pack 2 (MP2) release. The following products are on the accompanying 5.0 Maintenance Pack 2 software disc.

- Veritas Storage Foundation™ (includes Veritas File System, Veritas Volume Manager, and Veritas Enterprise Administrator)
- Veritas Storage Foundation HA
- Veritas Storage Foundation Basic
- Veritas Storage Foundation Cluster File System
- Veritas Storage Foundation Cluster File System HA
- Veritas Storage Foundation for Oracle
- Veritas Storage Foundation for Oracle HA

These Veritas release products may be installed completely, or they may be used to upgrade a 5.0 system to 5.0 MP2.

Note: There are no software issues fixed in the 5.0 Maintenance Pack 2 release relative to the 5.0 Maintenance Pack 1 release.

The software disc also includes the following new product:

- Veritas Storage Foundation Cluster File System for Oracle RAC

The following products are not supported for the Oracle Enterprise Linux (OEL) platform in this release, but are supported for newly installing 5.0 MP2 or for upgrading 5.0 systems to 5.0 MP2 on the Red Hat Enterprise Linux 4 Update 3, 4 and 5, and SUSE Linux Enterprise Server 9 SP3 platforms:

- Veritas Storage Foundation for DB2
- Veritas Storage Foundation for Oracle RAC
- Veritas Volume Replicator

If you wish to upgrade the following individual products, you should use the 5.0 Maintenance Pack 1 release.

- Veritas Cluster Server
- Veritas Cluster Server High Availability Agents

See the *Veritas Storage Foundation and High Availability Solutions 5.0 Getting Started Guide* for the location of release notes and installation instructions. This guide is available as a PDF file (`getting_started.pdf`) on the software disc.

If you already have the 5.0 release of any Veritas product installed on your system, see “[Installing patches](#)” on page 13 for the location of the Maintenance Pack upgrade instructions for the listed Veritas products.

Known issues

Latest Veritas Product Information

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

<http://entsupport.symantec.com/docs/281993>

To find information on supported hardware, see the hardware compatibility list (HCL) in the following TechNote:

<http://entsupport.symantec.com/docs/283282>

There are no issues fixed in the 5.0 Maintenance Pack 2 release relative to the 5.0 Maintenance Pack 1 release. For a list of issues fixed in the 5.0 Maintenance Pack 1 release, see the following TechNote:

<http://entsupport.symantec.com/docs/285869>

Storage Foundation Basic

If you have the Storage Foundation Basic 5.0 release installed, you can update it using the same procedure as any Storage Foundation offering. Select the appropriate distribution on the Maintenance Pack disc and follow the instructions in the file `sf_notes.pdf` that is located in the `storage_foundation` directory:

`distribution/storage_foundation/release_notes`

You must purchase a support agreement to obtain maintenance software for Storage Foundation Basic.

For information on ordering this product, licensing, and technical support, visit: www.symantec.com/sfbasic

Operating system requirements

The products in the 5.0 MP2 release operate on the architectures and operating systems shown in [Table 1-2](#), [Table 1-3](#) on page 11 and [Table 1-3](#) on page 11.

Table 1-1 Oracle Enterprise Linux

Veritas Product	x86_64 (64-bit Intel Xeon & AMD Opteron)		
	up	smp	largesmp
Storage Foundation Basic Standard, Enterprise, and Enterprise HA	X	X	X
Storage Foundation for Oracle	X	X	X
Storage Foundation Cluster File System (SFCFS)	X	X	X
Storage Foundation Cluster File System for Oracle RAC	X	X	X

Table 1-2 Red Hat Enterprise 4 (RHEL 4) Update 3, 4 and 5

Veritas Product	x86_64 (64-bit Intel Xeon & AMD Opteron)		
	up	smp	largesmp
Cluster Server	X	X	X
Cluster Server High Availability Agents	X	X	X
Storage Foundation Basic Standard, Enterprise, and Enterprise HA	X	X	X
Storage Foundation for DB2	X	X	X
Storage Foundation for Oracle	X	X	X
Storage Foundation Cluster File System (SFCFS)	X	X	X
Storage Foundation Cluster File System for Oracle RAC	X	X	X
Storage Foundation for Oracle RAC	X	X	X
Volume Replicator	X	X	X

Table 1-3 SUSE Linux Enterprise Server 9 (SLES9) SP3

Veritas Product	x86_64 (64-bit Intel Xeon & AMD Opteron)	
	default	smp
Cluster Server	X	X
Cluster Server High Availability Agents	X	X
Storage Foundation Basic, Standard, Enterprise, and Enterprise HA	X	X
Storage Foundation for DB3	X	X
Storage Foundation for Oracle	X	X
Storage Foundation Cluster File System (SFCFS)	X	X
Storage Foundation Cluster File System for Oracle RAC	X	X
Storage Foundation for Oracle RAC	X	X
Volume Replicator	X	X

Symantec supports only those kernel binaries that are distributed by Red Hat and SUSE.

Veritas products will operate on subsequent kernel and patch releases provided the operating systems maintain kernel ABI (application binary interface) compatibility.

Information about the latest supported Red Hat erratas and updates and SUSE service packs is available in the following TechNote. Read this TechNote *before* installing any Veritas product.

<http://support.veritas.com/docs/281993>

Patch installation script

You can install upgrade packages by running the `installmp` installation script from the command line. The `installmp` script is at the top level of the Maintenance Pack disc. The `installmp` script checks for any installed Veritas package and replaces it with the updated package. There is no uninstallation script.

All Veritas product processes are stopped after running `installmp`. To ensure that processes restart correctly, a manual restart or system reboot may be required. If you want to configure a product, run the product installation scripts from the `/opt/VRTS/install` directory using the `-configure` option.

See the individual product release notes for information on how to restart processes, or how to uninstall a maintenance pack and return to the previous product level.

Installing patches

After mounting the Maintenance Pack disc, change to the distribution and directory of the product you want to upgrade and read the product release notes for installation information.

- To upgrade Veritas Storage Foundation/Storage Foundation HA (includes Veritas File System, Veritas Volume Manager, Veritas Volume Replicator, Veritas Enterprise Administrator:

```
# cd /mnt/cdrom/distribution/storage_foundation/release_notes  
Follow the instructions in the file sf_notes.pdf.
```

- To upgrade Veritas Storage Foundation for Oracle/Storage Foundation for Oracle HA:

```
# cd /mnt/cdrom/distribution/storage_foundation_for_oracle \  
/release_notes  
Follow the instructions in the file sf_notes.pdf.
```

- To upgrade Veritas Storage Foundation Cluster File System/Storage Foundation Cluster File System HA:

```
# cd /mnt/cdrom/distribution \  
/storage_foundation_cluster_file_system/release_notes  
Follow the instructions in the file sfcfs_notes.pdf.
```

