

Storage Foundation and High Availability Solutions Read This First

AIX

5.1 Patch 1

Read This First

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Introduction

This document provides information about the Storage Foundation and High Availability Solutions 5.1 Patch 1. Symantec strongly recommends installing the 5.1 Patch 1 immediately after installing Storage Foundation and High Availability Solutions 5.1.

For important updates regarding this release, review the Late-Breaking News TechNote on the Symantec Technical Support website:

<http://entsupport.symantec.com/docs/334998>

The hardware compatibility list contains information about supported hardware and is updated regularly. For the latest information on supported hardware visit:

<http://entsupport.symantec.com/docs/330441>

Before installing or upgrading Storage Foundation and High Availability Solutions products, review the current compatibility list to confirm the compatibility of your hardware and software.

List of products

Apply this patch for the following Veritas Storage Foundation and High Availability products:

- Veritas Storage Foundation (SF)
- Veritas Storage Foundation and High Availability (SFHA)
- Veritas Storage Foundation Cluster File System (SFCFS)
- Veritas Storage Foundation Cluster File System and High Availability (SFCFSHA)
- Veritas Storage Foundation for Oracle RAC (SFRAC)
- Veritas Volume Manager (VM)
- Veritas Volume Replicator (VVR)
- Veritas File System (FS)
- Veritas Cluster Server (VCS)

List of patches

This section lists the patches and filesets.

Table 1-1 Patches and filesets

Patch IDs	5.1 fileset names	Products affected
VRTSvxvm.bff	VRTSvxvm	SF, SFCFS, SFRAC, VM/VVR
VRTSvxfs.bff	VRTSvxfs	SF, SFCFS, SFRAC, FS
VRTSllt.bff	VRTSllt	SFHA, SFCFS, SFRAC, VCS
VRTSgab.bff	VRTSgab	SFHA, SFCFS, SFRAC, VCS
VRTSvc.sbff	VRTSvc.s	SFHA, SFCFS, SFRAC, VCS
VRTSvc.sag.bff	VRTSvc.sag	SFHA, SFCFS, SFRAC, VCS
VRTSvc.sea.bff	VRTSvc.sea	SFHA, SFCFS, SFRAC, VCS
VRTScavf.bff	VRTScavf	SFCFS, SFRAC

Installing the patches

This section describes how to install the 5.1 Patch 1 after the 5.1 installation of your product.

Note: Perform this procedure to patch the 5.1 installation only if you have installed 5.1 and have not configured or started 5.1.

If you do not want to install all the filesets, review the list of filesets. Install only the filesets for the products that you currently use.

See “[List of patches](#)” on page 4.

To install the patches after the 5.1 install

- 1 Download the image file to a working directory.
- 2 Unzip the file.

```
# gunzip -d *.gz
```

- 3 Untar the file.

```
# tar -xvf *.tar
```

- 4 In the uncompressed image's working directory, change directory to `/patches`.
- 5 On each system, use the `installp` command to install the filesets.

```
# installp -aXd . fileset_name
```

Make sure that you install the filesets in this order:

```
# installp -aXd . VRTSvxvm  
# installp -aXd . VRTSvxfs  
# installp -aXd . VRTS11t  
# installp -aXd . VRTSgab  
# installp -aXd . VRTSvcsc  
# installp -aXd . VRTSvcscag  
# installp -aXd . VRTSvcsea  
# installp -aXd . VRTScavf
```

- 6 Configure or start your Veritas product.
 - Confirm that you are logged in as the superuser and that you have mounted the 5.1 product disc.

- For Storage Foundation, use the `installsf -start` command that is included in the 5.1 release. For all other products, use the `installer -configure` command.

See the 5.1 Installation Guide for your product.

List of fixed issues

This patch fixes the following issues:

Table 1-2 Fixed issues for 5.1 P1

Fixed issues	Description
1901742	[VCS5.1P1][AIX] Irrelevant error message logged for IPv4 IPMultiNICB resource
1901731	[VCS5.1P1][AIX] ClusterService SG cannot come online
1900450	Race script is killed if it exceeds the script time-out.
1881796	A rename operation on a file seems to be hung on a system with Large Directory Hashing enabled.
1881795	Panic in vx_fsycn_range when resize
1881792	The df and rm commands hang in an CFS environment.
1866439	[vcs][281-758-973] hashadow core in restart_had /var/VRTSvcs/lock/.hadargs parse resulted in attempt to deref null ptr
1855943	[Notifier][240-987-375] SMTP notification email should contain Entity name in subject line
1855196	System panic due to depleted memory during GAB broadcast stress and reboot node 0.
1854610	Set RT_GRQ=ON on AIX
1853275	The timer entry (I am alive messages) should be processed on a priority basis to heartbeat with the engine.
1852521	DiskGroupSnap - assumes all nodes are part of the campus cluster configuration
1851507	An issue in "Dirty Page Tracking" where the system could panic with null pointer de-reference in cases when an error is returned from the VMM layer while flushing pages (maybe due to an I/O error).

Table 1-2 Fixed issues for 5.1 P1 (*continued*)

Fixed issues	Description
1851084	[281-772-629] Remote Group faults when setup as monitor only and local SG is taken offline
1835139	CERT : pnate test hang I/O > 200 seconds during the filer giveback

