

# Symantec™ Storage Foundation and High Availability Solutions 6.2.1 What's new in this release - Linux

Platform Release

SLES 12, OL7 UEK R3

# What's New In This Release

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- Hardware information

- Available memory, disk space, and NIC information
- Operating system
- Version and patch level
- Network topology
- Router, gateway, and IP address information
- Problem description:
  - Error messages and log files
  - Troubleshooting that was performed before contacting Symantec
  - Recent software configuration changes and network changes

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- Latest information about product updates and upgrades
- Information about upgrade assurance and support contracts
- Information about the Symantec Buying Programs
- Advice about Symantec's technical support options
- Nontechnical presales questions
- Issues that are related to CD-ROMs or manuals

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Europe, Middle-East, and Africa	<a href="mailto:semea@symantec.com">semea@symantec.com</a>
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## Documentation

Product guides are available on the media in PDF format. Make sure that you are using the current version of the documentation. The document version appears on page 2 of each guide. The latest product documentation is available on the Symantec website.

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# What's new in this release

This document includes the following topics:

- [About this document](#)
- [Changes related to platform support](#)
- [Changes related to VCS](#)
- [Changes related to SmartIO for solid-state drives](#)

## About this document

This document covers the major new features, enhancements, and changes that are introduced in the 6.2.1 Platform Release for the following Symantec Storage Foundation and High Availability Solutions products:

- Symantec Dynamic Multi-Pathing (DMP)
- Symantec Storage Foundation (SF)
- Symantec Storage Foundation and High Availability (SFHA)
- Symantec Storage Foundation Cluster File System High Availability (SFCFSHA)
- Symantec Cluster Server (VCS)
- Symantec Storage Foundation for Oracle RAC (SF Oracle RAC)
- Symantec Storage Foundation for Sybase ASE CE (SF Sybase CE)
- Common Product Installer (CPI) – Installation and Upgrades

Review the following note before you use the document:

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**Note:** The Administrator and Installation Guide references provided in this document pertain to the Symantec Storage Foundation and High Availability Solutions product installed in your environment.

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For a complete list of changes, see *Symantec™ Storage Foundation and High Availability Solutions 6.2.1 Release Notes* for SUSE Linux Enterprise 12 (SLES 12), or see *Symantec™ Cluster Server 6.2.1 Release Notes* for Oracle Linux 7 with Unbreakable Enterprise Kernel Release 3 (OL7 UEK R3) on the Symantec Web site at:

<https://sort.symantec.com/documents>

## Changes related to platform support

The following platform support changes are introduced in this release.

### Support for SLES 12

In this release, SUSE Linux Enterprise (SLES) 12 support is enabled for the following Symantec Storage Foundation and High Availability Solutions products:

- Symantec Dynamic Multi-Pathing (DMP)
- Veritas Volume Manager (VxVM)
- Veritas File System (VxFS)
- Symantec Storage Foundation (SF)
- Symantec Cluster Server (VCS)

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**Note:** The DiskReservation agent will not be supported on SLES 12.

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- Symantec Storage Foundation and High Availability (SFHA)
- Symantec Storage Foundation Cluster File System and High Availability (SFCFSHA)
- Symantec Storage Foundation for Oracle RAC (SF Oracle RAC)
- Symantec ApplicationHA (ApplicationHA)

### Support for Oracle Linux Unbreakable Enterprise Kernel

In this release, Symantec Cluster Server (VCS) is enhanced to support Oracle Linux 7 (OL 7) with Unbreakable Enterprise Kernel Release 3 (UEK R3).



## Changes related to VCS

Symantec Cluster Server (VCS) includes the following changes in 6.2.1:

### Btrfs support in Mount Agent

The Linux Mount agent is enhanced to support the Btrfs (B-tree file system) file system. With this enhancement, you now can use the VCS Mount Agent on the Linux platform to mount the btrfs file system.

### Support for SAP ASE 16 in single instance mode

In this release, Symantec Cluster Server (VCS) is enhanced to support SAP ASE (previously Sybase) 16 in single instance mode.

## Changes related to SmartIO for solid-state drives

In this release, the SmartIO feature of Storage Foundation and High Availability Solutions (SFHA Solutions) is enhanced to support Flexible Storage Sharing (FSS) with SmartIO for remote caching.

FSS works with SmartIO to provide caching services for nodes that do not have local SSD devices.

In this scenario, Flexible Storage Sharing (FSS) exports SSDs from nodes that have a local SSD. FSS then creates a pool of the exported SSDs in the cluster. From this shared pool, a cache area is created for each node in the cluster. Each cache area is accessible only to that particular node for which it is created. The cache area can be of type, VxVM or VxFS.

The cluster must be a CVM cluster.

The volume layout of the cache area on remote SSDs follows the simple stripe layout, not the default FSS allocation policy of mirroring across host. If the caching operation degrades performance on a particular volume, then caching is disabled for that particular volume. The volumes that are used to create cache areas must be created on disk groups with disk group version 200 or later. However, data volumes that are created on disk groups with disk group version 190 or later can access the cache area created on FSS exported devices.

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**Note:** CFS write-back caching is not supported for cache areas created on remote SSDs.

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Apart from the CVM/CFS license, the SmartIO license is required to create cache areas on the exported devices.

For more information, see the document *Symantec Storage Foundation and High Availability Solutions SmartIO for Solid State Drives Solutions Guide*.