

Veritas InfoScale 7.4.1 Support for SUSE 15 Release Notes - Linux

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Veritas Services and Operations Readiness Tools (SORT)

Veritas Services and Operations Readiness Tools (SORT) is a website that provides information and tools to automate and simplify certain time-consuming administrative tasks. Depending on the product, SORT helps you prepare for installations and upgrades, identify risks in your datacenters, and improve operational efficiency. To see what services and tools SORT provides for your product, see the data sheet:

https://sort.veritas.com/data/support/SORT_Data_Sheet.pdf

Release notes

This document includes the following topics:

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About this document

This document provides information that is specific to the support for SUSE Linux Enterprise Server 15 for the Veritas InfoScale 7.4.1 products.

Review this entire document before you the install the version that provides this support for the following products:

- Veritas InfoScale Availability
- Veritas InfoScale Enterprise
- Veritas InfoScale Foundation
- Veritas InfoScale Storage

The information in this document supersedes the information that is provided in the product-specific documents and the earlier versions of release notes.

Changes introduced in this release

The following changes are introduced in this release.

Support for SUSE Linux Enterprise Server 15

InfoScale now supports SUSE Linux Enterprise Server 15. The installation files for this release is available for download at the same location as the one for the InfoScale 7.4.1 GA release. The file names begin with

`Veritas_InfoScale_7.4.1_SLES15.`

All the InfoScale capabilities that are available on the RHEL 7 and the SUSE 12 platforms are also available on SUSE 15. The commands that are mentioned in the context of the RHEL platform in the InfoScale documentation also apply to all the supported RHEL- and SUSE-compatible distributions.

Supported kernel version

InfoScale support the 4.12.14-25.25 kernel version for SUSE 15.

Disk space requirements

The following table lists the minimum disk space requirements for SUSE 15.

Operating system	Required disk space
Veritas InfoScale Foundation	1500 MB
Veritas InfoScale Availability	1500 MB
Veritas InfoScale Storage	2500 MB
Veritas InfoScale Enterprise	2500 MB

Prerequisites for installing InfoScale on SUSE 15

Before you install InfoScale on SUSE 15, ensure that you:

- Install the `iputils` package manually.
This package is required for the `ping` command to work.
- Install the `insserv-compat` package manually.
This package is required to enable the `vxdm` daemon (`# /opt/VRTS/bin/sfae_config enable`).
- Install the `mksh.x86_64`, `binutils.x86_64`, `ethtool.x86_64`, and `ed.x86_64` packages manually.

Note: If the systems are connected to the internet, the installer can use Zypper to install these packages.

Deprecated commands and alternatives

SUSE has deprecated some commands such as `ifconfig`, `netstat`, and so on.

The following table lists the alternative commands that you can use.

Deprecated command	Alternative
<code>ifconfig</code>	<code>ip</code>
<code>route</code>	<code>ip route</code>
<code>netstat</code>	<code>ss</code>

Note: Veritas recommends that you configure the `IPOptions` and the `IPRouteOptions` attributes instead of the `Options` attribute. The `Options` attribute uses the `ifconfig` and `route` commands, which are deprecated in SUSE 15.

If you plan to use the `route.vfd`, `gcoconfig`, and `healthcheck.pl` utilities, you must install the `net-tools-deprecated` package.

Support for CIFS configurations on SUSE 15

You may configure CIFS in the user mode, the domain mode, or the ads mode.

In any of these modes, before you back up the existing `smb.conf` file and run the `cfsshare config` command, you must perform the following tasks:

- Check the status of the `apparmor` service by using the following command:

```
# aa-status
```
- If the `smbd` service profile is loaded, disable the profile by using the following command:

```
# aa-disable /usr/sbin/smbd
```

Fixed issues

The following issues are fixed in this release.

Fixed issues related to Veritas File System

Incident	Description
3980788	An issue with the <code>vx_io_proxy_thread()</code> function may cause kernel panic on a system due to general protection fault.

Incident	Description
3981548	File data may be lost during a race scenario between two <code>dalloc</code> background flushers.
3981738	The <code>vxupgrade</code> utility fails to upgrade DLV 7 to DLV 8 and returns an "Invalid argument" error.

Fixed issues related to Veritas Volume Manager

Incident	Description
3982690	After a system restart, the <code>vxconfigd</code> process fails to come online in a CVM environment.
3983803	The <code>vxsnap</code> command fails with a core dump.
3983821	A cluster node panics during the <code>readback</code> process.

Limitation

This software limitation applies to the following products:

- Veritas InfoScale Foundation
- Veritas InfoScale Storage
- Veritas InfoScale Enterprise

The `vxverify` command may report false-negative failures in certain cases for mirror and link snapshots

Veritas File System (VxFS) allocates disk space to files in groups of one or more extents. Extents are either preallocated, or allocated to a file, when there is need to write new data in the files. The extent information is maintained in the extent map (space allocation map). The `vxverify` command uses this extent map to check the consistencies in the mirrors or the link snapshots of a volume. However, an extent map cannot guarantee that all the in-use extents contain data. Therefore, in some cases the `vxverify` command might report false-negative alarms on the regions where VxFS has never written any data but that in use by the file system.

When the `vxverify` command reports false-negative failures, you must perform the following tasks to verify the consistency of data:

- Verify the checksum of the files on the source volume and on the snapshot volumes in case of link snapshots.

- Set the read mirror plex preference to each mirror, read data from it, and match the checksum of each file in the file system.

Known issues

The following known issues exist in this release.

If IPv6 is not configured properly, the installer takes longer than expected to display the installation menu (3982872)

The InfoScale product installer attempts to connect with the Veritas Services and Operations Readiness Tools (SORT) website to validate the required packages against the release matrix. To establish this connection with SORT, the installer attempts to use all the IP addresses that are configured on the system. However, if IPv6 is not configured properly, the installer takes longer than expected to display the menu that allows you to continue the installation or the upgrade operation.

Workaround: Either disable IPv6 or configure it properly on the system, and then run the installer again.

Replication fails after the IP addresses that are used for replication are changed (3983824)

In a Volume Replicator (VVR) environment, after you use the `changeip` command to change the IP addresses that are used for replication, the replication fails. The "Secondary *ipAddress* not in RDS" error is logged.

Workaround: Restart `vradmind` on all the hosts of the replicated data set (RDS) by using the `systemctl restart vras-vradmind` command.