

Veritas™ System Recovery 18 Service Pack 3 Linux Edition: Quick Installation Guide

VERITAS™

Documentation version: 18 Service Pack 3

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Technical Support

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Our support offerings include the following:

- A range of support options that give you the flexibility to select the right amount of service for any size organization
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- Global support purchased on a regional business hours or 24 hours a day, 7 days a week basis
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For information about our support offerings, you can visit our website at the following URL:

www.veritas.com/support

All support services will be delivered in accordance with your support agreement and the then-current enterprise technical support policy.

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www.veritas.com/support

Before contacting Technical Support, make sure you have satisfied the system requirements that are listed in your product documentation. Also, you should be at the computer on which the problem occurred, in case it is necessary to replicate the problem.

When you contact Technical Support, please have the following information available:

- Product release level
- 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 Technical Support
 - Recent software configuration changes and network changes

Licensing and registration

If your product requires registration or a license key, access our technical support Web page at the following URL:

www.veritas.com/support

Customer service

Customer service information is available at the following URL:

www.veritas.com/support

Customer Service is available to assist with non-technical questions, such as the following types of issues:

- Questions regarding product licensing or serialization
- Product registration updates, such as address or name changes
- General product information (features, language availability, local dealers)
- Latest information about product updates and upgrades
- Information about upgrade assurance and support contracts
- Advice about technical support options
- Nontechnical presales questions
- Issues that are related to CD-ROMs, DVDs, or manuals

Support agreement resources

If you want to contact us regarding an existing support agreement, please contact the support agreement administration team for your region as follows:

Worldwide (except Japan)

CustomerCare@veritas.com

Japan

CustomerCare_Japan@veritas.com

Installing Veritas System Recovery Linux Edition

This document includes the following topics:

- [About Veritas System Recovery Linux Edition](#)
- [Before you install](#)
- [About upgrading to Veritas System Recovery 18 Linux Edition](#)
- [Installing Veritas System Recovery Linux Edition](#)

About Veritas System Recovery Linux Edition

Veritas System Recovery Linux Edition lets you recover from system loss or disasters in minutes, not hours, or days. It provides fast, easy to use system restoration to help you meet your recovery time objectives. Veritas System Recovery Linux Edition lets you capture recovery points of all the partitions and volumes on a live Linux system. The recovery points can include partitions and volumes containing the operating system (OS), applications, system settings, configurations, files, and data.

When you experience a problem with your computer, you can restore a file system partition or an entire drive. This recovery process returns your computer to a previous, functional state with the operating system, applications, and data files intact.

Using Veritas System Recovery Linux Edition you can do the following:

- Perform backups (create recovery points) of partitions and volumes on your Linux system.
- Restore volumes and partitions using the recovery points you have created.

- Create a Veritas Recovery Disk that you can use to recover your computer if it does not start.
- Mount recovery points so you can restore individual files and folders.

Before you install

Installation procedures might vary depending on your work environment and the type of Linux you use. This chapter focuses on installing Veritas System Recovery Linux Edition from a download.

Before you install Veritas System Recovery Linux Edition, ensure that your computer meets the system requirements. Review the Readme file for any known issues.

See “[System requirements](#)” on page 8.

See “[About supported file systems and removable media](#)” on page 10.

See “[Installing Veritas System Recovery Linux Edition](#)” on page 11.

System requirements

The following table lists the system requirements for Veritas System Recovery Linux Edition to function properly.

Table 1-1 Minimum system requirements

Component	Minimum requirements
Operating system	<p>You can find a list of compatible operating systems, platforms, and applications at the following URL:</p> <p>https://www.veritas.com/content/support/en_US/search-results.html?q=V-306-17*</p> <p>Note: SUSE Linux Enterprise Desktop and Red Hat Enterprise Linux Desktop are not supported.</p> <p>All standard kernel versions are supported for the Linux distributions that are listed.</p> <p>The binary drivers are already included for all standard kernels that are supported for the listed Linux distributions.</p> <p>For custom kernels (recompiled kernels), the installer builds and installs the custom snap driver for the running custom kernel during installation. The system must have the custom kernel headers installed.</p>

Table 1-1 Minimum system requirements (*continued*)

Component	Minimum requirements
RAM	The following are the memory requirements for SUSE Linux, Red Hat Linux, and the CentOS Linux: <ul style="list-style-type: none"> ■ SUSE Linux: 1 GB ■ Red Hat Linux: 1 GB ■ CentOS Linux: 1 GB
Available hard disk space	The Veritas System Recovery Linux Edition installation requires 50 MB of free disk space. To install and use the option for extracting and creating a Veritas Recovery Disk, you should have at least 200 MB of disk space. You should have sufficient hard disk space on a local hard disk or network server for storing recovery points. Be aware that the file sizes of resulting recovery points depend on the amount of data that you intend to back up.
DVD-ROM drive	The drive can be any speed, but it must be capable of being used as the startup drive from the BIOS.
Software	Other required software: <ul style="list-style-type: none"> ■ The Granular File Recovery option (mount.v2i utility) uses libfuse. Currently, only Fuse 2.7.x is supported. Other versions of Fuse are not supported, but may work. ■ createSRD uses the squashfs-tools package on RHEL for creating RHEL Veritas Recovery Disks. You must install the required squashfs-tools package on RHEL 5.x and squashfs-tools and genisoimage packages on RHEL 6.x.

See [“Installing Veritas System Recovery Linux Edition”](#) on page 11.

See [“About supported file systems and removable media”](#) on page 10.

Installing Fuse

The Fuse driver and libfuse must be installed before you use the Veritas System Recovery Linux Edition recovery point mount utility. On SUSE Linux and RHEL 6.x, the Fuse driver is installed by default, but, the Fuse library (libfuse) must be installed. On Red Hat 5.x Linux, both, the Fuse driver and the Fuse library must be installed.

You can install the Fuse driver and libfuse from the RPM repository. You can also install Fuse from a downloaded .tar file.

To download and install the Fuse .tar file

- 1 Log on as root.
- 2 Download Fuse 2.7.x from <http://fuse.sourceforge.net>.
- 3 Extract the .tar.gz file.
- 4 Change the directory to the Fuse extracted folder.
- 5 Run the following commands in the order indicated.

```
./configure  
make  
make install
```

- 6 Check /etc/ld.so.conf using a text editor (for example, run vi /etc/ld.so.conf). Look for a line containing '/usr/local/lib'. If it is missing, you must add it.
- 7 Run ldconfig command

```
ldconfig
```

SUSE requires only the installation of the libfuse rpm libraries. Red Hat requires both the libfuse rpm library and the fuse module.

See “[Installing Veritas System Recovery Linux Edition](#)” on page 11.

See “[System requirements](#)” on page 8.

About supported file systems and removable media

Veritas System Recovery Linux Edition supports the following file systems and removable media:

Supported file systems	To view the list of the supported file systems for Veritas System Recovery Linux Edition, refer to the Software Compatibility List (SCL). https://www.veritas.com/content/support/en_US/doc/VSR_18_SCL
Supported platforms	To view the list of the supported platforms for Veritas System Recovery Linux Edition, refer to the Software Compatibility List (SCL). https://www.veritas.com/content/support/en_US/doc/VSR_18_SCL
Removable media	Backing up is not supported to some types of removable media in Veritas System Recovery Linux Edition. You must save recovery points to a local mount point.

See “[Before you install](#)” on page 8.

See [“Installing Veritas System Recovery Linux Edition”](#) on page 11.

When you delay licensing

If you choose to delay installation of the license key, all features in Veritas System Recovery Linux Edition remain enabled during a 60-day trial period.

Veritas Recovery Disk (SRD), a component of Veritas System Recovery Linux Edition, is available with no trial period. However, you need a valid license key to use the back up feature in Veritas Recovery Disk. If you have created the Veritas Recovery Disk on a computer having licensed version of Veritas System Recovery Linux Edition, the Veritas Recovery Disk is automatically licensed. In such cases, you can perform cold backups using the Veritas Recovery Disk without the need of adding a license key.

You can purchase a license key and activate the software at any time (even after the trial period expires) without the need to reinstall. To activate Veritas System Recovery Linux Edition before or after the trial period, you can use the following command:

```
#symsr -addlicense <license key>
```

See [“Installing Veritas System Recovery Linux Edition”](#) on page 11.

About upgrading to Veritas System Recovery 18 Linux Edition

You can upgrade Symantec System Recovery 2011, 2013, 2013 R2 Linux Edition, or Veritas System Recovery 16 Linux Edition to Veritas System Recovery 18 Linux Edition. When you upgrade, the installation program automatically uninstalls the previous version of Veritas System Recovery Linux Edition from your computer. However, all the configurations, policies, tasks, and recovery points are preserved.

To upgrade to Veritas System Recovery 18 Linux Edition, install 18 Edition on your computer.

See [“Installing Veritas System Recovery Linux Edition”](#) on page 11.

Installing Veritas System Recovery Linux Edition

Before you begin, you should review the requirements and scenarios for installing Veritas System Recovery Linux Edition.

Root privileges are required to install the Veritas_System_Recovery.bin.

To install Veritas System Recovery Linux Edition

- 1 Log on to your computer as the root user.
- 2 Copy the Veritas_System_Recovery.bin file from the download or the product DVD to a folder on your Linux computer.
- 3 Make the Veritas_System_Recovery.bin file an executable by changing to the directory where you copied it and entering the following command at the Linux console:

```
chmod +x Veritas_System_Recovery.bin
```

- 4 Start the installation process by entering the following command at the Linux terminal:

```
./Veritas_System_Recovery.bin
```

Note: The command that you specified assumes that you are currently in the same directory where the Veritas_System_Recovery.bin file is located. If that is not the case, you must either change to that folder or specify the proper path to it.

- 5 Page through the license agreement and accept it by entering a `y` or `yes` at the prompt.
- 6 If you want to install the utility for creating a Veritas Recovery Disk, type a `y` or `yes` at the install Veritas Recovery Disk creation utility prompt.
- 7 If you want to install the Granular File Recovery utility for mounting a recovery point, type a `y` or `yes` at the install Granular File Recovery utility prompt.

createSRD is a command line utility for creating a Veritas Recovery Disk CD. A Veritas Recovery Disk CD is not included with Veritas System Recovery Linux Edition. You must create the CD manually using the createSRD utility.

Veritas System Recovery Linux Edition includes command line utilities for mounting or unmounting a recovery point so you can restore individual files and folders.

Note: If you choose not to install the utilities you can run the installation process later. The installation program automatically detects that Veritas System Recovery Linux Edition is installed and prompts you to install the utilities that are not installed.

See [“When you delay licensing”](#) on page 11.