



Red Hat Enterprise Linux

5

5.11 Release Notes

Release Notes for Red Hat Enterprise Linux 5.11
Edition 11

Red Hat Customer Content
Services

Red Hat Enterprise Linux 5 5.11 Release Notes

Release Notes for Red Hat Enterprise Linux 5.11 Edition 11

Red Hat Customer Content Services

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Abstract

Red Hat Enterprise Linux minor releases are an aggregation of individual enhancement, security and bug fix errata. The Red Hat Enterprise Linux 5.11 Release Notes document the major changes made to the Red Hat Enterprise Linux 5 operating system and its accompanying applications for this minor release. Detailed notes on all changes in this minor release are available in the Technical Notes.

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Preface

The Release Notes provide high-level coverage of the improvements and additions that have been implemented in Red Hat Enterprise Linux 5.11. For detailed documentation on all changes to Red Hat Enterprise Linux for the 5.11 update, refer to the [Technical Notes](#).

Chapter 1. Installation and Booting

dmidecode Supports SMBIOS

The **dmidecode** utility now supports System Management BIOS (SMBIOS) version 2.8, which enables **dmidecode** to automate builds and deployments on a wider variety of hardware.

Chapter 2. Kernel

Timeout Value Control

The Red Hat Enterprise Linux 5.11 *kernel* now includes an option to control the timeout value for I/O error recovery commands. Previously, the retry value was set to 5, which resulted in 90-second timing out messages. Reducing the number of retries allows for a more efficient management of timeout layers.

LSI 12 Gb/s adapters with the MegaRAID SAS driver

LSI MegaRAID SAS 9360/9380 12Gb/s controllers, previously supported as a Technology Preview, are now fully supported in Red Hat Enterprise Linux 5.11.

Chapter 3. Device Drivers

ProLiant Servers Support

The cciss driver now supports ProLiant servers with the latest HP SAS Smart Array controllers.

Chapter 4. Networking

samba3x: New Format of the Trivial Database (TDB) Files

An update of the *samba3x* packages changes the format of the Trivial Database (TDB) files, and the existing TDB files are updated to conform to the new format when you upgrade your Samba packages. In addition, earlier versions of Samba are not compatible with the new TDB file format. In order to successfully downgrade to an earlier version of Samba, you must use a backed up version of your TDB files, which uses the previous formatting.

Chapter 5. Subscription Management

Enhanced Error Messaging in Red Hat Support Tool

The **Red Hat Support Tool** now displays better error messages when the tool is unable to download debug symbols, for example due to insufficient disk space.

Subscription Manager

The **Subscription Manager** in Red Hat Enterprise Linux 5.11 generates the **redhat.repo** file immediately after user attachment and does not wait for the **yum** utility.

The **Subscription Type** field has been included in the **Subscription Manager**. You can view the field in the command-line interface as well as the graphical user interface to inform you about the kind of subscription that is used, which determines the attributes that drive subscription's behavior.

Repositories can now be enabled and disabled directly in the GUI of **Subscription Manager**.

Several enhancements to the command-line interface have been introduced:

- ✦ In Red Hat Enterprise Linux 5.11, the **rhsm-debug system** tool creates a tar file that contains files to be attached to bug reports.
- ✦ Two new fields have been added to the output of the **subscription-manager list --available** command. The **Provides** field shows the names of the products that the system is eligible for. The **Suggested** field has been added to facilitate compliance and provide parity with the GUI.
- ✦ The output of the **subscription-manager list --available** command now includes the stock-keeping unit (SKU).

Chapter 6. Virtualization

Support for ESXi

When the **virt-who** agent runs on Red Hat Enterprise Linux 5.11, **virt-who** can now communicate with VMWare ESXi and obtain the host and guest mapping information for Red Hat Subscription Manager.

Chapter 7. Industry Standards and Certification

NIST Certification for OpenSCAP

OpenSCAP 1.0.8 has been certified by the National Institute of Standards and Technology's (NIST) Security Content Automation Protocol (SCAP) 1.2 in the Authenticated Configuration Scanner category with the Common Vulnerabilities and Exposure (CVE) option. OpenSCAP provides a library that can parse and evaluate each component of the SCAP standard in order to make creating new SCAP tools convenient. Also, OpenSCAP offers a multi-purpose tool designed to format content into documents or scan the system based on this content.

Appendix A. Revision History

Revision 0.0-0.1

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Release of the Red Hat Enterprise Linux 5.11 Release Notes.