

## COURSE OUTLINE

# Red Hat System Administration II (RH134)

**Duration:** 5 Days

**Prerequisites:**

- Basic technical user skills with computer applications on some operating systems are expected.
- Take our free assessment to gauge whether this offering is the best fit for your skills.

**Course Description:**

Red Hat System Administration II (RH134) is the second part of the RHCSA training track for IT professionals who have already attended Red Hat System Administration I. The course goes deeper into core Linux system administration skills in storage configuration and management, installation and deployment of Red Hat Enterprise Linux, management of security features such as SELinux, control of recurring system tasks, management of the boot process and troubleshooting, basic system tuning, and command-line automation and productivity. This course assumes that students have attended Red Hat System Administration I (RH124).

Experienced Linux administrators who seek rapid preparation for the RHCSA certification should instead start with RHCSA Rapid Track (RH199).

This course is based on Red Hat Enterprise Linux 9.0.

**Intended Audience:**

This course is geared toward Windows system administrators, network administrators, and other system administrators who are interested in supplementing current skills or backstopping other team members, in addition to Linux system administrators who are responsible for these tasks:

- Configuring, installing, upgrading, and maintaining Linux systems using established standards and procedures
- Providing operational support
- Managing systems for monitoring system performance and availability
- Writing and deploying scripts for task automation and system administration

**Course Outlines:**

**Improve command line productivity**

- Run commands more efficiently by using advanced features of the Bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

**Schedule future tasks**

- Schedule commands to run in the future, either one time or on a repeating schedule.

**Analyze and Store Logs**

- Locate and accurately interpret system event logs for troubleshooting purposes.

**Archive and Transfer Files**

- Archive and copy files from one system to another.

**Tune system performance**

- Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

**Manage SELinux security**

- Protect and manage the security of a server by using SELinux.

**Manage logical volumes**

- Create and manage logical volumes containing file systems and swap spaces from the command line.

**Access network-attached storage**

- Use the NFS protocol to administer network-attached storage.

**Control the boot process**

- Manage the boot process to control services offered and to troubleshoot and repair problems.

**Manage network security**

- Control network connections to services using the system firewall and SELinux rules.

**Install Red Hat Enterprise Linux**

- Install Red Hat Enterprise Linux on servers and virtual machines.

**Run Containers**

- Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server.

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training@trends.com.ph  
 (+632) 8863-2123  
 www.trendssacademy.com.ph