



RED HAT TRAINING

Red Hat System Administration II (RH134) – RHEL 9

Master RHEL 9 system administration with RH134. Automate tasks, manage storage, and prepare for your RHCSA certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The "Red Hat System Administration II (RH134) – RHEL 9" course is meticulously designed for IT professionals seeking to elevate their proficiency in managing Red Hat Enterprise Linux 9 systems. Building upon foundational Linux administration skills, this intermediate-level program delves into critical advanced topics essential for maintaining robust, secure, and efficient enterprise environments. Participants will gain practical expertise in configuring local storage with advanced features like LVM, VDO, and Stratis, managing network services, implementing security best practices, and leveraging automation tools to streamline administrative tasks. This course is crucial for anyone aiming to become an expert RHEL administrator.

This specialized training focuses on real-world scenarios, preparing you to tackle complex system management challenges. You will learn to control system services and processes, configure network teaming and firewalls, manage user and group authentication, and enforce security policies using SELinux. A significant component of the course is an introduction to automation with Ansible, equipping you with the skills to automate routine administrative functions, thereby improving operational efficiency and reducing human error. Successful completion positions you strongly for the Red Hat Certified System Administrator (RHCSA) exam, validating your ability to confidently administer RHEL systems in production settings.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat
Exam Code	RH134

COURSE CURRICULUM

01 Module 1: Advanced Storage Management

- Managing local storage devices and file systems
- Implementing Logical Volume Manager (LVM)
- Configuring VDO (Virtual Data Optimizer) volumes
- Creating and managing Stratis storage pools
- File system attributes and access control lists (ACLs)

02 Module 2: Network Configuration and Services

- Configuring network teaming and bonding
- Managing network settings with NetworkManager
- Implementing and configuring firewalld
- DNS client configuration and troubleshooting
- SSH security and advanced configuration

03 Module 3: System Processes, Scheduling, and Logging

- Controlling system services and daemons with systemd
- Scheduling future tasks with cron and at
- Analyzing and managing system logs
- Monitoring system performance
- Process management and resource control

Module 4: User and Security Administration

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- Managing user accounts and groups with advanced options
 - Configuring authentication methods (local, network-based)
 - Implementing and managing SELinux policies
 - System hardening and security best practices
 - Configuring time synchronization with NTP

05 Module 5: Introduction to Container Management

- Understanding container concepts (Podman, Buildah)
- Running and managing containers
- Building custom container images
- Deploying and managing containerized applications

06 Module 6: Automation with Ansible

- Introduction to Ansible for system administration
- Running ad-hoc commands with Ansible
- Writing and executing basic Ansible Playbooks
- Managing system configurations with Ansible
- Automating common administrative tasks

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Intermediate Linux System Administrator**
- > **Junior DevOps Engineer (focused on Linux Infrastructure)**
- > **IT Security Analyst (specializing in Linux System Hardening)**

FREQUENTLY ASKED QUESTIONS

Q: What specific advanced storage management skills will I gain in RH134 that go beyond foundational RHEL administration?

This course dives deep into advanced storage solutions beyond basic partitioning. You will master Logical Volume Manager (LVM) for flexible storage management, learn to implement Virtual Data Optimizer (VDO) for data compression and deduplication, and gain proficiency with Stratis for simplified local storage management. These skills are crucial for optimizing storage performance and capacity in modern enterprise environments.

Q: How does the RH134 course prepare me for real-world enterprise Linux security challenges?

RH134 places a strong emphasis on practical security implementations. You will learn to effectively manage and enforce SELinux policies to restrict unauthorized access, configure robust firewall rules using 'firewalld', secure network services like SSH, and understand best practices for system hardening. This comprehensive approach ensures you can protect Red Hat Enterprise Linux systems against common threats and maintain compliance in production settings.

Q: Is automation with Ansible a significant part of this Red Hat System Administration II course, and how does it benefit my career?

Yes, RH134 introduces you to the fundamentals of automation using Ansible, a critical skill for modern IT professionals.

You will learn to execute ad-hoc commands and write basic Ansible Playbooks to automate repetitive administrative tasks such as package installation, service management, and configuration changes. This skill significantly boosts your efficiency, reduces errors, and makes you a more valuable asset in any organization moving towards DevOps and infrastructure-as-code practices.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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Take the next step in your technology career.

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