



RED HAT TRAINING

Red Hat System Administration III: Linux Automation (RH294)

Automate Linux system administration tasks with Ansible and prepare for the advanced RH294 certification. Master Red Hat automation.

DURATION

2 hours

LEVEL

Advanced

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Red Hat System Administration III: Linux Automation (RH294) is an advanced-level course designed for experienced Linux system administrators seeking to master the art of automation. This intensive program focuses on practical application of Ansible to streamline and scale the management of Red Hat Enterprise Linux (RHEL) environments. Participants will gain comprehensive skills in writing efficient playbooks, managing inventories, implementing roles, and utilizing advanced Ansible features to automate a wide array of system administration tasks, from configuration management and software deployment to security hardening and orchestration.

This course is crucial for professionals looking to enhance operational efficiency, ensure consistency across their infrastructure, and accelerate deployment cycles. By embracing automation, you will significantly reduce manual errors, free up valuable time, and be better equipped to manage complex, large-scale RHEL deployments with confidence. The practical, hands-on labs ensure that you not only understand the concepts but can immediately apply them to real-world scenarios, making you an invaluable asset in any modern IT department.

Completing RH294 will not only elevate your technical proficiency but also position you for advanced career opportunities in system administration, DevOps, and cloud infrastructure. It equips you with the in-demand skills required to implement a robust, automated infrastructure, which is a cornerstone of modern, agile IT operations.

Duration	2 hours
Level	Advanced
Vendor	Red Hat
Exam Code	RH294

COURSE CURRICULUM

01 Module 1: Introduction to Ansible and Inventory Management

- Understanding Ansible architecture and core concepts
- Installing and configuring Ansible control nodes
- Creating and managing static and dynamic inventories
- Connecting to managed hosts and executing ad-hoc commands

02 Module 2: Writing and Executing Ansible Playbooks

- Introduction to Ansible playbook syntax and structure
- Managing files, users, and services with playbooks
- Understanding Ansible modules and idempotency
- Working with variables and facts in playbooks

03 Module 3: Advanced Playbook Features and Conditionals

- Implementing conditionals, loops, and iterations
- Using handlers and notifications for service management
- Securing sensitive data with Ansible Vault
- Error handling and debugging playbooks

04 Module 4: Implementing Roles for Reusable Automation

- Understanding Ansible roles for structured automation

- Creating and using custom roles for specific tasks
- Leveraging Ansible Galaxy for pre-built roles
- Designing scalable and maintainable automation solutions

05 Module 5: Automating Real-World Administration Tasks

- Automating software installation, updates, and package management
- Managing network configurations and firewall rules
- Deploying and managing web servers and databases
- Advanced use cases: patching, security hardening, and reporting

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux Systems Automation Engineer**
- > **DevOps Infrastructure Specialist**
- > **Red Hat Certified Engineer (RHCE)**

FREQUENTLY ASKED QUESTIONS

Q: What prerequisite knowledge or certifications are recommended before enrolling in Red Hat System Administration III (RH294)?

This is an advanced course, so participants should have solid foundational knowledge of Linux administration, equivalent to completing Red Hat System Administration I (RH124) and II (RH134), or possessing the Red Hat Certified System Administrator (RHCSA) certification. Familiarity with basic command-line operations, file system management, and package management in a Linux environment is essential for success.

Q: How does this course specifically enhance my ability to manage large-scale Red Hat Enterprise Linux environments efficiently?

RH294 focuses entirely on leveraging Ansible for robust automation, which is critical for large-scale environments. You will learn to manage hundreds or thousands of RHEL systems consistently, rapidly deploy configurations, automate software rollouts, and ensure system compliance across your infrastructure without manual intervention. This dramatically reduces operational overhead, minimizes human error, and ensures uniformity.

Q: What Red Hat certification path does the RH294 course prepare me for, and what are its career implications?

Completing Red Hat System Administration III (RH294) is a pivotal step towards earning the highly respected Red Hat Certified Engineer (RHCE) certification. The RHCE certification validates your expert ability to automate Red Hat Enterprise Linux tasks using Ansible, opening doors to advanced and highly sought-after roles such as Senior Linux Administrator, Automation Engineer, and DevOps Specialist, significantly boosting your marketability and career progression in the IT industry.

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+

Years of Excellence

10,000+

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50+

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READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke