



RED HAT TRAINING

Red Hat System Administration III: Linux Automation (RH294) – RHEL 9

Automate Linux administration tasks with Ansible on RHEL 9. Prepare for the RH294 exam and become a Red Hat Certified Engineer.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This Red Hat System Administration III: Linux Automation (RH294) course is designed for experienced Linux administrators who need to automate configuration, provisioning, orchestration, and application deployment with Red Hat Ansible Automation Platform. You will master the use of Ansible Core to streamline repetitive tasks, manage complex environments at scale, and ensure consistent configurations across your Red Hat Enterprise Linux 9 infrastructure. This course bridges the gap between manual system administration and modern, automated IT operations, making your daily tasks more efficient and reducing the potential for human error.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat
Exam Code	RH294

COURSE CURRICULUM

01 Module 1: Introduction to Ansible Automation

- Understanding Ansible's core components and architecture
- Installing and configuring Ansible Core
- Managing Ansible inventory and hosts
- Running ad hoc commands with Ansible

02 Module 2: Automating Tasks with Playbooks

- Writing and executing Ansible Playbooks
- Understanding YAML syntax for Playbooks
- Working with modules for various tasks (package management, services, files)
- Implementing variables, facts, and conditionals in Playbooks

03 Module 3: Managing Complex Deployments with Roles

- Structuring automation projects with Ansible Roles
- Creating and using custom Roles
- Leveraging Ansible Galaxy for reusable content
- Managing sensitive data with Ansible Vault

04 Module 4: Advanced Ansible Features and Best Practices

- Orchestrating multi-tier applications with Playbooks
- Implementing error handling and notification in automation
- Troubleshooting Ansible Playbooks and configurations
- Understanding and applying Ansible best practices for scalability and maintainability

05 Module 5: Integrating Ansible with Red Hat Enterprise Linux 9

- Automating user and group management on RHEL 9
- Configuring networking and firewall settings with Ansible
- Deploying and managing web servers (Apache, Nginx) on RHEL 9
- Automating software installations and updates across RHEL 9 servers

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Linux System Administrator (specializing in automation)**
- > **DevOps Engineer (focusing on infrastructure as code and automation pipelines)**
- > **Automation Architect (designing and implementing enterprise-wide automation solutions)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for taking the Red Hat System Administration III: Linux Automation (RH294) course?

This course assumes a strong foundation in Linux system administration, equivalent to what is covered in Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134), or comparable practical experience. Proficiency with the command line and basic system configuration on Red Hat Enterprise Linux is essential to fully benefit from the advanced automation concepts taught.

Q: How will mastering Ansible through RH294 enhance my existing Red Hat certifications or career progression?

Completing RH294 significantly elevates your Red Hat certification portfolio, preparing you for the Red Hat Certified Engineer (RHCE) exam, which focuses heavily on Ansible automation. This skill set is highly sought after, enabling you to transition into more advanced roles like DevOps Engineer, Automation Architect, or Senior System Administrator, where you'll be responsible for deploying, managing, and scaling infrastructure efficiently using modern automation practices.

Q: Beyond basic automation, what specific real-world challenges will I be able to solve after completing this course?

Upon completion, you will be equipped to tackle challenges such as standardizing configurations across hundreds of servers, automating the deployment of complex multi-tier applications, performing consistent patching and updates, rapidly provisioning new systems, and orchestrating intricate IT workflows. You'll gain the ability to reduce manual effort, improve operational consistency, and accelerate software delivery cycles in any RHEL-based environment.

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+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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