



RED HAT TRAINING

Red Hat Certified Engineer

Master advanced Red Hat Enterprise Linux administration. Become a Red Hat Certified Engineer, ready to manage complex Linux environments.

DURATION

40 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Red Hat Certified Engineer (RHCE) course at Computer Pride is an advanced-level training program designed for experienced Linux system administrators seeking to elevate their skills in automation and efficient system management. This intensive 40-hour course focuses on the practical application of Ansible automation to manage and configure Red Hat Enterprise Linux (RHEL) systems at scale. You will master critical automation techniques to streamline routine tasks, deploy applications, and enforce system configurations, preparing you to become a key player in modern IT infrastructure teams.

This certification directly addresses the growing demand for IT professionals who can leverage automation to build, manage, and scale complex systems. By diving deep into Ansible, you'll learn to write robust playbooks, manage inventories, implement roles, and securely handle sensitive data, all while gaining proficiency in automating a wide array of RHEL services and features. The curriculum is meticulously crafted to cover the objectives of the Red Hat Certified Engineer (EX300) exam, ensuring you are thoroughly prepared for certification.

Earning your RHCE certification validates your expertise in automating RHEL administration tasks, demonstrating your ability to deploy and manage network services, storage, and security configurations with precision and efficiency. This not only significantly boosts your professional credibility but also opens doors to advanced career opportunities, positioning you as an indispensable asset in organizations adopting DevOps methodologies and large-scale Linux deployments.

Duration	40 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Introduction to Ansible & RHCE Objectives

- Understanding Ansible architecture and core components
- Setting up Ansible control nodes and managed hosts
- Introduction to Ansible inventory management (static and dynamic)
- Review of Red Hat Certified Engineer (EX300) exam objectives
- Executing ad-hoc commands with Ansible

02 Module 2: Crafting Ansible Playbooks and Modules

- Writing and executing basic Ansible playbooks
- Utilizing common Ansible modules for system tasks (package, service, user, file)
- Managing variables and facts within playbooks
- Implementing conditionals, loops, and handlers
- Working with Jinja2 templates for configuration files

03 Module 3: Advanced Playbook Features and Role Management

- Structuring projects with Ansible roles
- Creating and using custom Ansible roles
- Managing tasks, handlers, and variables within roles
- Securing sensitive data with Ansible Vault
- Understanding and using Ansible Galaxy

04 Module 4: Automating RHEL System Administration Tasks

- Automating network configuration and troubleshooting
- Managing storage with Ansible (LVM, VDO, filesystems)
- Deploying and configuring web servers (Apache HTTPD, Nginx)
- Automating database server setup (MariaDB, PostgreSQL)
- Implementing and managing firewall and SELinux policies with Ansible

05 Module 5: Advanced Automation and Best Practices

- Working with Ansible collections
- Troubleshooting Ansible playbooks and execution failures
- Implementing best practices for Ansible playbook development
- Integrating Ansible with version control systems (e.g., Git)
- Performance tuning and optimization of Ansible deployments

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **DevOps Automation Engineer**
- > **Senior Linux Systems Administrator with Automation Specialization**
- > **IT Infrastructure Automation Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What specific skills will I gain that distinguish me from a Red Hat Certified System Administrator (RHCSA)?

While the RHCSA focuses on foundational RHEL system administration, the RHCE course will equip you with advanced automation skills, specifically leveraging Ansible. You will learn to automate complex tasks, orchestrate multi-system deployments, enforce consistent configurations across an infrastructure, and troubleshoot automation workflows, effectively scaling your administrative capabilities far beyond manual operations.

Q: Is practical experience with Linux necessary before enrolling in the Red Hat Certified Engineer course?

Yes, significant practical experience as a Linux system administrator is highly recommended. This course assumes a solid understanding of fundamental RHEL administration tasks, equivalent to or exceeding the Red Hat Certified System Administrator (RHCSA) certification level. You should be comfortable with command-line operations, managing users and files, configuring networking, and understanding core system services before undertaking this advanced automation training.

Q: How will the RHCE certification directly impact my ability to implement DevOps practices in an organization?

The RHCE certification is pivotal for implementing DevOps practices as it deeply ingrains automation into your skillset. You'll gain the ability to automate infrastructure provisioning, configuration management, application deployment, and continuous integration/continuous delivery (CI/CD) pipelines using Ansible. This directly translates into faster development cycles, more reliable deployments, and greater collaboration between development and operations teams, which are core tenets of a successful DevOps culture.

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.

Location

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