



Red Hat Linux Automation with Ansible (RH 294)

COURSE OVERVIEW

Learn how to automate Linux system administration tasks with Red Hat Ansible Automation Platform

Red Hat Enterprise Linux Automation with Ansible (RH294) is designed for Linux system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration.

This course is based on Red Hat® Enterprise Linux® 8.4 and Red Hat Ansible Automation Platform 1.2.

WHO WILL BENEFIT FROM THIS COURSE?

This course is geared toward Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers who are responsible for these tasks:

- Automating configuration management
- Ensuring consistent and repeatable application deployment
- Provisioning and deployment of development, testing, and production servers
- Integrating with DevOps continuous integration/continuous delivery workflows

PREREQUISITES

Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience

COURSE OBJECTIVES

You will be able to apply automation first principles to solve real-world Linux system and services problems through the effective creation of Ansible playbooks and application of Red Hat Ansible Automation Platform. You will gain the skills to automate your workflows, build the foundation for DevOps practices, and learn how to leverage Ansible Automation Platform for developmental efficiencies.

COURSE OUTLINE

Introduce Ansible

- Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

Implement an Ansible playbook

- Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

Manage variables and facts

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.



Implement task control

- Manage task control, handlers, and task errors in Ansible Playbooks.

Deploy files to managed hosts

- Deploy, manage, and adjust files on hosts managed by Ansible.

Manage complex plays and playbooks

- Write playbooks that are optimized for larger, more complex plays and playbooks.

Simplify playbooks with roles

- Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

Troubleshoot Ansible

- Troubleshoot playbooks and managed hosts.

Automate Linux administration tasks

- Automate common Linux system administration tasks with Ansible.

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