

Redhat Certified Engineer (RHCE- V9)

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TRAINING OVERVIEW

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® 9 and Red Hat Ansible Automation Platform 2.2.



- Introducing Ansible
 - ◊ Understanding Linux automation
 - ◊ Installing Ansible
- Implementing Ansible
 - ◊ Building an Ansible inventory
 - ◊ Managing Ansible configuration files
 - ◊ Writing Playbooks
 - ◊ Running Playbooks
 - ◊ Implementing Playbooks with multiple plays
- Managing Variables and Facts in Ansible
 - ◊ Introducing Variables
 - ◊ Managing types of Variables
 - ◊ Managing Ansible secrets
 - ◊ Managing Ansible facts
- Implementing Task Control
 - ◊ Writing loops in Ansible
 - ◊ Writing conditions in Ansible
 - ◊ Implementing Handlers in Playbooks
 - ◊ Understanding task failure scenarios
 - ◊ Handling task failures

- Deploying Files to Managed Hosts
 - Modifying files on managed hosts
 - Copying files to managed hosts
 - Working with basic Jinja2 templates for dynamic content
 - Working with advanced Jinja2 templates for dynamic content
- Managing Complex Ansible Projects
 - Including and Importing Ansible files
 - Selecting hosts with hosts patterns
- Simplifying Playbooks with Roles and Ansible Content Collections
 - Describing role structure
 - Creating roles
 - Deploying roles from external sources
 - Understanding content collections
 - Reusing content with RHEL system roles
- Troubleshooting Ansible Playbooks
 - Troubleshooting playbook errors
 - Troubleshooting connection errors
 - Troubleshooting syntax errors
- Automation Linux Administration Jobs
 - Managing yum repositories using Ansible
 - Governing user and permissions using Ansible
 - Managing boot processes using Ansible
 - Managing storage and volumes using Ansible
 - Managing network profiles using Ansible
- Project - Ansible
 - Automating WordPress deployments using Ansible
 - Automating Python App deployments using Ansible
 - Automating the provisioning of cloud resources using Ansible