Red Hat Enterprise Linux Automation with Ansible

Duration: 90 Days   Course Code: RH294   Delivery Method: Elearning (Self-paced)

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 administrators and developers who need to automate repeatable and error-prone steps for system provisioning, configuration, application deployment, and orchestration.
This course is based on Red Hat® Enterprise Linux® 9 and Red Hat Ansible Automation Platform 2.2.
Following course completion, you will receive a 45-day extended access to hands-on labs for any course that includes a virtual environment.
Note: This course is offered as a four day in person class, a five day virtual class or is self-paced. Durations may vary based on the delivery.
For full course details, scheduling, and pricing, select your location then "get started" on the right hand menu.
Course content summary
- Install Red Hat Ansible Automation Platform on control nodes.
- Create and update inventories of managed hosts and manage connections to them.
- Automate administration tasks with Ansible Playbooks and ad hoc commands.
- Write effective playbooks at scale.
- Protect sensitive data used by Ansible Automation Platform with Ansible Vault.
- Reuse code and simplify playbook development with Ansible Roles and Ansible Content Collections.

e-Learning

Interactive self-paced content that provides flexibility in terms of pace, place and time to suit individuals and organisations. These resources also consist of online books, educational podcasts and vodcasts, and video-based learning.

Target Audience:

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

Objectives:

■ **Impact on the organization**

■ - Bring operational efficiency by removing manual processes through automation.

■ - Easily scale the organization's dynamic IT infrastructure.

■ - Accelerate application time to value.

■ - Rapidly adapt and implement needed innovation through DevOps practices.

■ Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

■ **Impact on the individual**

■ 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.

Prerequisites:

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

knowledge and experience.
- Take our free assessment to gauge whether this offering is the best fit for your skills.

Follow-on-Courses:
- EX294 - RHCE Exam (RHEL 8)
- DO447 - Advanced Automation: Red Hat Ansible Best Practices

Content:

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.

Additional Information:

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

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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