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Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Intermediate

Course Duration: 3 Days

Automation with Ansible II: Ansible Tower (DO409VT)



About this course:

Take your automation to the next level with Red Hat Ansible Tower

Automation with Ansible II: Ansible Tower (DO409) is designed for Ansible site

administrators who need to automate tasks on large numbers of managed nodes with extended teams or are responsible for centrally coordinating and logging Ansible operations. You will learn how to install Red Hat® Ansible Tower, use the web interface to manage access to resources and hosts, and create templates to start Ansible jobs.

This course is based on Red Hat Ansible Tower 3.3 and Red Hat® Ansible Engine 2.7.

In this course, you will configure and organize users into teams and assign permissions that allow them to review, use, or manage resources on Ansible Tower. You will also learn about advanced workflow management and receive a basic introduction to the Ansible Tower API.

The material covered in this curriculum is now included within our newly released Advanced Automation: Ansible Best Practices (DO447) course, which teaches you how to use Red Hat Ansible Automation to automate across different functions. If you are interested in learning best practices for scaling infrastructure efficiently, begin your journey with Linux automation today.

Course Objective:

- Install Red Hat Ansible Tower.
- Configure users and teams to access Ansible Tower resources using role-based access controls.
- Use Ansible Tower to manage shared access to inventories and machine credentials.
- Create job templates and workflow job templates to standardize playbook execution.
- Launch playbooks and monitor and review job results using Ansible Tower.

Audience:

- This course is designed for system administrators, DevOps engineers, release engineers, and other IT professionals. The curriculum is particularly geared toward those responsible for designing and implementing DevOps capabilities in complex multiple-application production environments; maintaining and enforcing continuous integration and continuous delivery (CI/CD) pipelines and tools; and centrally managing and controlling Red Hat® Ansible Automation at scale.

Prerequisite:

- Successfully complete Automation with Ansible I (DO407), or demonstrate equivalent experience with Ansible, Ansible playbooks, and roles
- Be a Red Hat Certified Specialist in Ansible Automation, or demonstrate equivalent Ansible experience

- Be a Red Hat Certified System Administrator (RHCSA), or demonstrate equivalent Red Hat® Enterprise Linux® knowledge and experience
- Being a Red Hat Certified Engineer (RHCE) may be beneficial

Course Outline:

Install and access Ansible Tower

Explain what Red Hat Ansible Tower is and navigate and use its web user interface.

Manage access with users and teams

Create user accounts and organize them into teams in Red Hat Ansible Tower, and assign the users and teams permissions to administer and access resources in the Ansible Tower service.

Manage inventories and credentials

Create inventories of machines to manage, and configure credentials necessary for Red Hat Ansible Tower to log in and run Ansible jobs on those systems.

Manage projects and launch Ansible jobs

Create projects and job templates in the web UI, using them to launch Ansible playbooks that are stored in Git repositories in order to automate tasks on managed hosts.

Construct advanced job workflows

Use advanced features of job templates to improve performance, simplify customization of jobs, launch multiple jobs, schedule automatically recurring jobs, and provide notification of job results.

Manage advanced inventories

Manage inventories that are loaded from external files or generated dynamically from scripts or the Ansible Tower smart inventory feature.

Perform maintenance and routine administration of Ansible Tower

Demonstrate ability to deliver routine maintenance and administration of Ansible Tower.

Comprehensive review

Demonstrate skills learned in this course by configuring and operating a new organization in Ansible Tower using a provided specification, Ansible projects, and hosts to be provisioned and managed.