DO467

Managing Enterprise Automation with Red Hat Ansible Automation Platform

Duration: 5 Days

Course description

Manage complex Red Hat Ansible automation workflows at scale and prevent single points of failure.

Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467) is for experienced Ansible automation engineers, DevOps practitioners, and Linux system administrators seeking to deploy, control, and support centralized automation execution on a large scale. Students will use Red Hat Ansible Automation Platform 2 to scale up Ansible automation. They will deploy automation controller to centrally manage automation workflows, automation mesh to scale up and distribute execution capacity, and private automation hub to manage Ansible Content Collections and automation execution environments for use by automation developers. Large scale automation cluster design and approaches to ensure high availability of Ansible Automation Platform will also be discussed.

This course is based on Red Hat Ansible Automation Platform 2.2.

Outline for this course

Install Red Hat Ansible Automation Platform
    Explain what Red Hat Ansible Automation Platform is and perform a
    basic installation of automation controller and automation hub.
Manage user access
    Create user accounts and organize them into teams/groups in
    automation controller and automation hub, and assign them
    permissions to administer and access resources in each service.
Manage inventories and machine credentials
    Create inventories of machines to manage, and configure credentials
    necessary for automation controller's execution nodes 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.

Configure advanced job configuration

Configure advanced features of automation controller in order to more effectively and efficiently implement jobs.

Construct job workflows

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

Manage advanced inventories

Manage inventories that are generated dynamically from scripts or the automation controller smart inventory feature.

Automate configuration of Ansible Automation Platform

Automate the configuration and deployment of Red Hat Ansible Automation Platform services by using Ansible Content Collections, the automation controller API, and Git webhooks.

Maintain Red Hat Ansible Automation Platform

Perform routine maintenance and administration of Red Hat Ansible Automation Platform.

Get insights into automation performance

Get information from Red Hat Insights for Red Hat Ansible Automation Platform to evaluate the performance of your Ansible automation and identify possible ways to improve it.

Build a large scale Red Hat Ansible Automation Platform deployment

Use high availability techniques and automation mesh to scale up your Red Hat Ansible Automation Platform deployment.

Comprehensive review

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