Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)

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.