

Automation with Ansible II: Ansible Tower (DO409)

- **Course introduction**
Introduce and review the course.
- **Install Ansible Tower by Red Hat and describe its architecture**
Explain what Ansible Tower is and demonstrate a basic ability to navigate and use its web user interface.
- **Create users and teams for role-based access control**
Create user accounts and organize them into teams that can be used in conjunction with role-based access control to manage administration and access to organization resources in Ansible Tower.
- **Create and manage inventories and credentials**
Create inventories of machines to manage and set up credentials that will allow Ansible Tower to run jobs on those systems.
- **Manage projects for provisioning with Ansible Tower**
Create basic projects and job templates in Ansible Tower that can be used to run Ansible playbooks in order to provision and configure managed systems.
- **Construct advanced job workflows**
Use additional features of job templates to improve workflows by creating simple job launch forms, templates to launch multiple jobs in sequence, and to report job success or failure through external notification systems.
- **Update inventories dynamically and compare inventory members**
Use advanced techniques to work with inventories, including dynamic generation of inventories from centralized information sources and monitoring of hosts in an inventory for configuration deviations or differences.
- **Maintenance and administration of Ansible Tower**
Perform routine maintenance and administration on Ansible Tower and get a basic familiarity with the command line tools and Ansible Tower API.
- **Comprehensive review of provisioning and managing systems using Ansible Tower**
Demonstrate skills learned in this course by using a provided specification to configure and operate a new organization in Ansible Tower with certain users and teams, an inventory of hosts to manage, and an Ansible project containing playbooks and other supporting files