

Automation with Ansible I

Description

Automation with Ansible I is designed for system administrators who are intending to use Ansible for automation, configuration, and management. Learn how to install and configure Ansible, create and run playbooks to configure systems, and learn to manage inventories.

Through hands-on labs, students will learn to automate system administration tasks on managed hosts with Ansible, learn how to write Ansible playbooks to standardize task execution, centrally manage playbooks and schedule recurring execution through a web interface with Red Hat® Ansible Tower. Students will also learn to manage encryption for Ansible with Ansible Vault, deploy Ansible Tower and use it to manage systems, and use Ansible in a DevOps environment with Vagrant.

Delegates will learn

- Install and troubleshoot Ansible on central nodes and managed hosts
- Use Ansible to run ad-hoc commands and playbooks to automate tasks
- Write effective Ansible playbooks
- Protect encrypted data needed for tasks with Ansible Vault
- Use Ansible Tower to more easily manage enterprise Ansible deployments
- Work with Ansible in conjunction with Vagrant in a DevOps environment

Outline

Introduce Ansible

Deploy Ansible

Implement playbooks

Manage variables and inclusions

Implement task control

Implement Jinja2 templates

Implement roles

Configure complex playbooks

Implement Ansible Vault

Troubleshoot Ansible

Implement Ansible Tower

Implement Ansible in a DevOps environment

Comprehensive review

Prerequisites

Have a Red Hat Certified System Administrator (RHCSA) certification or equivalent experience.