SYLLABUS- DO407

Course introduction

Automation with Ansible (DO407) 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.

Introduce Ansible

Describe the terminology and architecture of Ansible.

Deploy Ansible

Install Ansible and run ad hoc commands.

Implement playbooks

Write Ansible plays and execute a playbook.

Manage variables and inclusions

Describe variable scope and precedence, manage variables and facts in a play, and manage inclusions.

Implement task control

Manage task control, handlers, and tags in Ansible playbooks.

Implement Jinja2 templates

Implement a Jinja2 template.

Implement roles

Create and manage roles.

Configure complex playbooks

Configure connection types, delegations, and parallelism.

Implement Ansible Vault

Manage encryption with Ansible Vault.

Troubleshoot Ansible

Troubleshoot the Ansible control machine and managed nodes.

Implement Ansible Tower

Implement Ansible Tower.

Implement Ansible in a DevOps environment

Implement Ansible in a DevOps environment using Vagrant.

Comprehensive review

Review tasks from the Automation with Ansible course.