



## DO407 - Automation with Ansible

- **Introduction to Ansible**
  - Describe Ansible concepts and install Red Hat Ansible Engine.
- **Deploy Ansible**
  - Configure Ansible to manage hosts and run ad hoc Ansible commands.
- **Implement playbooks**
  - Write a simple Ansible playbook and run it to automate tasks on multiple managed hosts.
- **Manage variables and facts**
  - Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.
- **Implement task control**
  - Manage task control, handlers, and task errors in Ansible playbooks.
- **Deploy files to managed hosts**
  - Deploy, manage, and adjust files on hosts managed by Ansible.
- **Manage large projects**
  - Write playbooks that are optimized for larger, more complex projects.
- **Simplify playbooks with roles**
  - Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.
- **Troubleshoot Ansible**
  - Troubleshoot playbooks and managed hosts.
- **Automate Linux administration tasks**
  - Automate common Linux system administration tasks with Ansible.



- **Comprehensive review**
  - Demonstrate skills learned in this course by installing, optimizing, and configuring Ansible for the management of managed hosts.