AUTOMATE AND MANAGE RED HAT OPENSHIFT VIRTUALIZATION WITH ANSIBLE (DO336)

Course Code: 832037

DO336 - Learn how to use Red Hat Ansible Automation Platform to automate the migration and management of virtual machines in Red Hat OpenShift Virtualization.

Automate and Manage Red Hat OpenShift Virtualization with Ansible (DO336) is designed for virtual machine administrators interested in automating migration and management tasks of virtual machines in OpenShift Virtualization by using the Ansible Automation Platform operator.

This course provides the following information and skills:

- An introduction to fundamental concepts of Ansible and Ansible Automation Platform
- Skills to deploy the Ansible Automation Platform operator, automation controller, and private automation hub instance in a Red Hat OpenShift cluster
- Strategies to migrate virtual machines from another hypervisor to OpenShift Virtualization by using the migration toolkit for virtualization (MTV) operator and Ansible Automation Platform
- Skills to automate Day-2 tasks that help manage the entire VM lifecycle, such as provisioning virtual machines and supporting Kubernetes resources, managing compute resources and network devices, and installing software packages.

Students also learn how to add Ansible Playbooks and collections for OpenShift Virtualization to an Ansible Automation Platform hub instance and how to use Ansible Playbooks and collections to create and manage virtual machines in Red Hat OpenShift Virtualization.

What You'll Learn

After completing this course, learners should be able to:

- Understand the fundamentals concepts, use cases, and architecture of Ansible and Ansible Automation Platform
- Deploy and configure the Ansible Automation Platform operator, automation

controller, and private automation hub in a Red Hat OpenShift cluster
- Migrate virtual machines from another hypervisor to Red Hat OpenShift Virtualization by using the migration toolkit for virtualization operator and Ansible Automation Platform
- Automate the creation and management of virtual machines in a Red Hat OpenShift Virtualization cluster by using the Ansible Automation Platform operator

Who Needs to Attend

- Virtual Machine Administrators who are interested in moving virtualized workloads from traditional hypervisors to OpenShift Virtualization
- Enterprise architects, system administrators, and automation architects who are responsible for designing, managing, and automating an organization's virtual machine infrastructure.

Prerequisites

- Having followed Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316) or being Red Hat Certified Specialist in OpenShift Virtualization certification (EX316) or equivalent knowledge of managing virtual machines in Red Hat OpenShift.

Confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at Red Hat Skills Assessment

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VIRTUAL CLASSROOM LIVE	$3,525 USD	3 Day

Virtual Classroom Live Outline

Introducing Red Hat Ansible Automation Platform

- Explain the need for automation, fundamental concepts of Ansible, and the architecture and use cases for Ansible and the Ansible Automation Platform Operator in a Red Hat OpenShift cluster.

Deploying and Configuring the Red Hat Ansible Automation Platform Operator

- Deploy and configure the Red Hat Ansible Automation Platform Operator, automation controller, automation hub operator instance in a Red Hat OpenShift Container Platform cluster.

Migrating Virtual Machines to Red Hat OpenShift Virtualization with Ansible Automation Platform

Automating Day-2 Operations for Virtual Machines in Red Hat OpenShift Virtualization with Red Hat Ansible Automation Platform

- Automate the creation and management of virtual machines in a Red Hat OpenShift Virtualization cluster by using the Ansible Automation Platform operator.

Virtual Classroom Live Labs

- Labs are provided by RedHat for this course

Jan 12 - 14, 2026 | 10:30 AM - 6:30 PM EST

Mar 23 - 25, 2026 | 10:30 AM - 6:30 PM EDT

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