Automate and Manage Red Hat OpenShift Virtualization with Ansible (DO336)

Duration: 3 Days **Course Code: DO336** **Delivery Method: Company Event**

Overview:

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 teaches how to deploy the Ansible Automation Platform operator in an OpenShift cluster to migrate and manage virtual machines. Customers migrating to Red Hat OpenShift Virtualization from other hypervisors need an automation solution to replace their previous automation products, such as vRealize Orchestrator by VMware.
With Ansible Automation Platform, customers can automate the migration, creation, and management of the virtual machines in OpenShift Virtualization.
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 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.
Note : *Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.*
When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.
Your RHLS subscription includes:
• One live, instructor-led virtual session
• 12 months of self-paced learning access
• One certification exam with a free retake
Onsite Classroom-based sessions and closed course options remain unchanged.
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Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

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

Objectives:

- After this course participants 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

Prerequisites:

- Red Hat Certified Specialist in OpenShift Virtualization

Testing and Certification

- Red Hat Certified Specialist in Automating OpenShift Virtual

certification (EX316) or equivalent knowledge of managing virtual machines in Red Hat OpenShift.
- This course requires no previous experience with Ansible, however, learners are encouraged to attend, before taking DO336:
- Ansible Basics - Automation Technical Overview (DO0007).
- Although Linux skills are not required for managing OpenShift clusters and OpenShift Virtualization, operating individual Linux VMs requires Linux sysadmin skills that the following courses provide:
- Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) or managing the operating system inside a Linux VM skills

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills Red Hat Skills Assessment

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- RH124 - System Administration I
- RH134 - System Administration II

Machine Management Exam (EX336)

Follow-on-Courses:

None

Content:

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

- Migrate virtual machines from a compatible hypervisor to Red Hat OpenShift Virtualization by using Ansible Automation Platform and the migration toolkit for virtualization (MTV) operator.

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.

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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