Migrating Virtual Machines to Red Hat OpenShift Virtualization with Ansible Automation Platform (DO346)

Duration: 2 Days **Course Code: DO346** **Delivery Method: Company Event**

Overview:

Learn the essential skills to migrate virtual machines to Red Hat OpenShift Virtualization.
Migrating Virtual Machines to Red Hat OpenShift Virtualization with Ansible Automation Platform (DO346) provides the essential knowledge to migrate virtual machines to Red Hat OpenShift Virtualization by using carefully selected content from *Managing Virtual Machines in Red Hat OpenShift Virtualization (DO316)* and *Automate and Manage Red Hat OpenShift Virtualization with Ansible (DO336)*.
OpenShift Virtualization enables organizations to realize operational savings by managing virtualized workloads and containerized workloads together by using the same orchestration and clustering infrastructure from Red Hat OpenShift.
This course provides a shorter learning path for IT professionals to migrate their virtualized workloads to OpenShift Virtualization.
This course provides the following information and skills: An introduction to key OpenShift and Kubernetes concepts, such as nodes, pods, and operatorsSkills to deploy the OpenShift Virtualization operatorSkills to configure networking and storage for virtual machinesStrategies to migrate virtual machines from another hypervisor to OpenShift Virtualization by using the migration toolkit for virtualization operator and Ansible Automation Platform
This course is based on OpenShift Container Platform 4.16, OpenShift Virtualization 4.16, and Ansible Automation Platform 2.4.
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.
Updated Jan2026

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 VirtualizationKubernetes Administrators (Cluster Administrators and Cluster Engineers) who are interested in supporting containerized and virtualized workloads in the same OpenShift cluster

Objectives:

- After this course participants should be able to:
- Deploy the OpenShift Virtualization operator in an existing Red Hat OpenShift environment
- Configure node networking to connect virtual machines and nodes to networks outside the cluster by using Multus CNI plug-ins and the NMState operator
- Manage storage and disks for virtual machines in Red Hat OpenShift
- Migrate virtual machines from another hypervisor to Red Hat OpenShift Virtualization by using the migration toolkit for virtualization operator and Ansible Automation Platform

Prerequisites:

This course requires no previous experience with containers,

Testing and Certification

Kubernetes, OpenShift, or OpenShift Virtualization; however, learners are encouraged to attend the following courses, before taking DO346:

- Containers, Kubernetes and Red Hat OpenShift Technical Overview (DO080)
- Red Hat OpenShift Virtualization Technical Overview (DO016)
- Ansible Basics: Automation Technical Overview (DOOO7)

Although Linux skills are not required for managing OpenShift clusters and OpenShift Virtualization, operating individual Linux VMs requires Linux system administration skills that the following courses provide:

- Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) for managing the operating system inside a Linux VM

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

Follow-on-Courses:

After completing this course, VM Administrators are encouraged to learn more about OpenShift Virtualization and virtual machine administration by attending the following course:

- Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)

OpenShift Virtualization Administrators require deeper Kubernetes and OpenShift skills than DO346 provides, even if they will not manage containerized, cloud-native applications, and existing OpenShift Administration courses provide these skills:

- Red Hat OpenShift Administration 1: Operating a Production Cluster (DO180) is a recommended follow-up course for deploying and managing Kubernetes applications by using the OpenShift web console and command-line interfaces
- Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280) is a recommended follow-up course for security and resource management of OpenShift projects
- Red Hat OpenShift Administration III: Scaling Kubernetes Deployments in the Enterprise (DO380) and Enterprise Kubernetes Storage with Red Hat OpenShift Data Foundation (DO370) are recommended follow-up courses for node, storage, and security management of OpenShift clusters

Content:

Red Hat OpenShift Virtualization

Distinguish Red Hat OpenShift Virtualization from container technologies and from traditional virtual machine technologies. Describe the features and use cases of OpenShift Virtualization. Deploy the OpenShift Virtualization operator in an existing Red Hat OpenShift environment.

Configuring Networking for Virtual Machines

Configure standard Kubernetes network objects for virtual machines and virtual machine-backed applications. Configure node networking to connect virtual machines and nodes to networks outside the cluster by using Multus CNI plug-ins and the NMState operator.

Configuring Storage for Virtual Machines

Manage storage and disks for virtual machines in Red Hat OpenShift by using Kubernetes.

Migrating Virtual Machines to Red Hat OpenShift Virtualization

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

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

info@globalknowledge.co.uk

www.globalknowledge.com/en-gb/

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK