

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

**ID** DO346 **Price** 1,870.— €excl. tax **Duration** 2 days

## Course 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 with Red Hat OpenShift Virtualization \(DO316\)](#) and Migrating Virtual Machines to Red Hat OpenShift Virtualization with Ansible Automation Platform (DO336). This course provides a shorter learning path for IT professionals to migrate their virtualized workloads to OpenShift Virtualization.

## Who should attend

- Virtual Machine Administrators who are interested in moving virtualized workloads from traditional hypervisors to OpenShift Virtualization
- Kubernetes Administrators (Cluster Administrators and Cluster Engineers) who are interested in supporting containerized and virtualized workloads in the same OpenShift cluster

## Course Objectives

### Impact on the Organization

- 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.

### Impact on the Individual

- IT professionals will learn to migrate virtualized workloads to OpenShift Virtualization

## Course Content

This course provides the following information and skills:

- An introduction to key OpenShift and Kubernetes concepts, such as nodes, pods, and operators
- Skills to deploy the OpenShift Virtualization operator
- Skills to configure networking and storage for virtual machines
- Strategies to migrate virtual machines from another hypervisor to OpenShift Virtualization by using the migration toolkit for virtualization operator and Ansible Automation Platform

## Course Content Summary

- Deploying the OpenShift Virtualization operator in an existing Red Hat OpenShift environment
- Configuring node networking to connect virtual machines and nodes to networks outside the cluster by using Multus CNI plug-ins and the NMState operator
- Managing storage and disks for virtual machines in Red Hat OpenShift
- Migrating virtual machines from another hypervisor to Red Hat OpenShift Virtualization by using the migration toolkit for virtualization operator and Ansible Automation Platform

## Detailed Course Outline

### 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.

# About Fast Lane



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