

RED HAT OPENSIFT VIRTUALIZATION ADMINISTRATION I: OPERATING VIRTUAL MACHINES (DO156)

Course Code: 832030

DO156 - Create and manage virtual machines by using the Red Hat OpenShift Virtualization operator.

Red Hat OpenShift Virtualization Administration I: Operating Virtual Machines (DO156) teaches the essential skills required to create and manage virtual machines (VMs) on OpenShift by using the Red Hat OpenShift Virtualization operator.

OpenShift Virtualization enables organizations to realize operational savings by managing virtualized workloads and containerized workloads together using the same orchestration and clustering infrastructure provided by Red Hat OpenShift.

In this course IT professionals will learn to deploy and manage virtualized workloads on OpenShift.

Note : *Red Hat Learning Subscription COURSE – Included with Your Purchase*

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.

What You'll Learn

After completing this course, learners should be able to:

- Describe the underlying Kubernetes architecture that supports OpenShift and how to access and identify key OpenShift cluster services by using both the web console and command-line utilities.
- Deploy the OpenShift Virtualization operator and examine the configuration options for the operator.

- Create, manage, and monitor virtual machines in Red Hat OpenShift Virtualization.
- Use comprehensive and flexible networking for virtual machines within an OpenShift environment.
- Configure and manage persistent storage for virtual machines, protect VM data through snapshots, export and import virtual machine images, and efficiently create virtual machine golden images by using cloning within a Red Hat OpenShift Virtualization environment.

Who Needs to Attend

- Virtual Machine Administrators who are looking to virtualize workloads from traditional Hypervisors to OpenShift Virtualization.
- Platform Engineers, Cloud Administrators, and System Administrators who are interested in supporting virtualized workloads, either independently from or in the same OpenShift cluster as containerized workloads.

Prerequisites

- This course requires no previous experience with containers, Kubernetes, and OpenShift, however, learners are encouraged to attend, before taking DO156, the free course Containers, Kubernetes and Red Hat OpenShift Technical Overview (DO080).
- Although Linux skills are not required for managing OpenShift clusters and OpenShift Virtualization, operating individual Linux VMs requires Linux system administration skills that the Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134) courses provide.
- Learners are encouraged to attend free course Red Hat OpenShift Virtualization Technical Overview (DO016), before taking DO156.

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 \$4,760 CAD

1 Session

Virtual Classroom Live Outline

- **Introduction to Kubernetes and OpenShift**
Describe the underlying Kubernetes architecture that supports OpenShift and how to access and identify key OpenShift cluster services by using both the web console and command-line utilities
- **Introduction to Red Hat OpenShift Virtualization**
Deploy the OpenShift Virtualization operator and examine the configuration options for the operator.
- **Creating, Managing, and Monitoring Virtual Machines in Red Hat OpenShift Virtualization**
Create, manage, and monitor virtual machines in Red Hat OpenShift Virtualization.
- **Managing Virtual Machine Networking in Red Hat OpenShift Virtualization**
Use comprehensive and flexible networking for virtual machines within an OpenShift environment.
- **Managing Storage for Virtual Machines in Red Hat OpenShift Virtualization**
Configure and manage persistent storage for virtual machines, protect VM data through snapshots, export and import virtual machine images, and efficiently create golden images for virtual machines by using cloning within a Red Hat OpenShift Virtualization environment

Virtual Classroom Live Labs

- Labs are provided by RedHat for this course

Jul 6 - 8, 2026 | 10:30 AM - 6:30 PM EDT

Aug 3 - 5, 2026 | 10:30 AM - 6:30 PM EDT

Sep 14 - 16, 2026 | 10:30 AM - 6:30 PM EDT

Oct 19 - 21, 2026 | 10:30 AM - 6:30 PM EDT

Nov 9 - 11, 2026 | 10:30 AM - 6:30 PM EST

Dec 14 - 16, 2026 | 10:30 AM - 6:30 PM EST

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