Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS)

Category: Infrastructure & IT Operations | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: Managing Virtual Machines with Red Hat OpenShift Virtualization; OpenShift; DO316

Course Overview

Managing Virtual Machines with OpenShift Virtualization teaches the essential skills required to create and manage virtual machines (VM) on OpenShift using the Red Hat OpenShift Virtualization operator. This course does not require previous knowledge of containers and Kubernetes. RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

About This Course

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Who Should Attend

Virtual Machine Administrators interested in moving virtualized workloads from traditional Hypervisors to OpenShift Virtualization. Kubernetes Administrators (Cluster Administrators, Clusters Engineers) interested in supporting containerized and virtualized workloads in the same OpenShift cluster. Site Reliability Engineers interested in using GitOps and Ansible Automation to manage Virtual Machines on OpenShift.

Prerequisites & Entry Requirements

General Prerequisites:

Red Hat OpenShift I: Containers & Kubernetes (DO180) and is recommended but not required.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Skills required to create, access, and manage VMs on OpenShift clusters. Skills required to control usage and access of cpu, memory, storage, and networking resources from VMs using the same Kubernetes features that would also control usage and access to these resources for containers. Sample architectures to manage High Availability (HA) of VMs using standard Kubernetes features and extensions from OpenShift Virtualization. Strategies to connect VMs on OpenShift to data center services outside of their OpenShift cluster, such as storage and databases.

Detailed Course Outline

1 - Introduction to OpenShift Virtualization

- Describe the features and use cases of OpenShift Virtualization.

2 - Run and access Virtual Machines

- Create, manage, inspect, and monitor virtual machines in Red Hat OpenShift Virtualization.

3 - Configure Kubernetes network for Virtual Machines

- Configure standard Kubernetes network objects and external access for VMs and virtual machine-backed applications.

4 - Connect Virtual Machines to external networks

- Configure node networking to connect virtual machines and nodes to networks outside the cluster.

5 - Configure Kubernetes storage for Virtual Machines

- Manage storage and disks for VMs in Red Hat OpenShift.

6 - Virtual Machine template management

- Create and manage templates to provision virtual machines.

7 - Advanced Virtual Machine management

- Import, export, snapshot, clone, and live migrate a virtual machine and initiate node maintenance.

8 - Configure Kubernetes high availability for Virtual Machines

- Configure Kubernetes resources to implement high availability for virtual machines.

Frequently Asked Questions

Q: What delivery options are available for Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the Managing Virtual Machines with Red Hat OpenShift Virtualization; OpenShift; DO316 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS)?

Yes, we provide corporate training, dedicated training, and closed classes for Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Managing Virtual Machines with Red Hat OpenShift Virtualization - Red Hat Learning Subscription Course (DO316LS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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