Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)

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

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

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.

About This Course

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.

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

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- Create VMs from installation media and disk images.
- Access text and graphical consoles of a VM.
- Connect to VMs using Kubernetes networking (services, ingress, and routes)
- Provision storage to VMs using Kubernetes storage (PVC, PV, and storage classes).
- Start, pause, and stop VMs.
- Clone and snapshot VMs.
- Connect VMs to external and extra networks (outside of the Kubernetes pod and service networks).
- Connect VMs to host storage and external storage.
- Ansible management of VMs.
- Create VMs from VM Templates.

Additional Course Details

Nexus Humans Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)?

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: How many CPD hours does this course provide?

The 4-day Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316) course provides up to 26.0 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 (DO316) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316)?

Yes, we provide corporate training, dedicated training, and closed classes for Managing Virtual Machines with Red Hat OpenShift Virtualization (DO316). 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 (DO316)?

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 (DO316) 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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