Red Hat Virtualization (RH318)

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: Red Hat Certified Specialist in Virtualization; RH318

Course Overview

Deploy, configure, manage, and migrate virtual environments Red Hat Virtualization (RH318) teaches you the skills needed to deploy, administer, and operate virtual machines in your organization using Red Hat® Virtualization. Through numerous hands-on exercises, you will demonstrate the ability to deploy and configure the Red Hat Virtualization infrastructure and use it to provision and manage virtual machines. This offering also prepares you for the Red Hat Certified Specialist in Virtualization exam. This course is based on Red Hat Enterprise Virtualization 4.3 and Red Hat Enterprise Linux® 7.6 and 8, as well as Red Hat Hyperconverged Infrastructure for Virtualization 1.6.

About This Course

Deploy, configure, manage, and migrate virtual environments Red Hat Virtualization (RH318) teaches you the skills needed to deploy, administer, and operate virtual machines in your organization using Red Hat® Virtualization. Through numerous hands-on exercises, you will demonstrate the ability to deploy and configure the Red Hat Virtualization infrastructure and use it to provision and manage virtual machines. This offering also prepares you for the Red Hat Certified Specialist in Virtualization exam. This course is based on Red Hat Enterprise Virtualization 4.3 and Red Hat Enterprise Linux® 7.6 and 8, as well as Red Hat Hyperconverged Infrastructure for Virtualization 1.6.

Who Should Attend

Linux system administrators, virtualization administrators, and hybrid infrastructure engineers interested in deploying large-scale virtualization solutions and managing virtual servers in their datacenters, based on the Red Hat Virtualization open virtualization management platform.

Prerequisites & Entry Requirements

General Prerequisites:

- Become a Red Hat Certified System Administrator (RHCSA®), or demonstrate equivalent experience
- Being a Red Hat Certified Engineer (RHCE®) is strongly recommended for Ansible® automation comprehension

Learning Outcomes

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

Configure Red Hat Virtualization Configure networking and storage for use with Red Hat Virtualization Manage user accounts and access to the Red Hat Virtualization environment Install and manage virtual machines in Red Hat Virtualization Use templates for rapid virtual machine deployment Manage virtual machine snapshots and images Migrate virtual machines and explore high-availability options

Detailed Course Outline

1 - Red Hat Virtualization overview

- Explain the purpose and architecture of Red Hat Virtualization.

2 - Install and configure Red Hat Virtualization

- Install a minimal Red Hat Virtualization environment and use it to create a virtual machine.

3 - Create and manage datacenters and clusters

- Organize hypervisors into groups using datacenters and clusters.

4 - Manage user accounts and roles

- Configure user accounts using a central directory service, then use roles to assign access to resources based on job responsibilities.

5 - Adding physical hosts

- Add additional Red Hat Virtualization hosts automatically, and move and remove hosts from datacenters as needed.

6 - Scale Red Hat Virtualization infrastructure

- Add Red Hat Virtualization hosts automatically, configure Red Hat Enterprise Linux hosts when appropriate, and move and remove hosts from data centers as needed.

7 - Manage Red Hat Virtualization networks

- Separate network traffic into multiple networks on one or more interfaces to improve the performance and security of Red Hat Virtualization.

8 - Manage Red Hat Virtualization storage

- Create and manage data and ISO storage domains.

9 - Deploy and manage virtual machines

- Operate virtual machines in the Red Hat Virtualization environment.

10 - Migrate virtual machines

- Migrate and control automatic migration of virtual machines.

11 - Manage virtual machine images

- Manage virtual machine snapshots and disk images.

12 - Automating virtual machine deployment

- Automate deployment of virtual machines by using templates and cloud-init.

13 - Back up and upgrade Red Hat Virtualization

- Back up, restore, and upgrade the software in a Red Hat Virtualization environment.

14 - Explore high-availability practices

- Explain procedures to improve the resilience and reliability of Red Hat Virtualization by removing single points of failure and implementing high-availability features.

15 - Perform comprehensive review

- Demonstrate skills learned in this course by installing and configuring Red Hat Virtualization; using the platform to create and manage virtual machines; and backing up and updating components of Red Hat Virtualization.

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Additional Course Details

Nexus Humans Red Hat Virtualization (RH318) 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 Red Hat Virtualization (RH318) 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 Red Hat Virtualization (RH318)?

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 Red Hat Certified Specialist in Virtualization; RH318 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 Red Hat Virtualization (RH318) 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 Red Hat Virtualization (RH318) 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 Red Hat Virtualization (RH318)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Virtualization (RH318). 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 Red Hat Virtualization (RH318)?

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 Red Hat Virtualization (RH318) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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