

Red Hat Enterprise Virtualization

Duration: 4 Days **Course Code: RH318**

Overview:

Red Hat® Enterprise Virtualization (RH318) explores the virtualization features of Red Hat Enterprise Linux® managed through the Red Hat Enterprise Virtualization suite. Students acquire the skills and knowledge to effectively create, deploy, manage, and migrate Linux and Microsoft Windows virtual machines hosted on either dedicated Red Hat Enterprise Virtualization Hypervisor nodes or Red Hat Enterprise Linux servers using Red Hat Enterprise Virtualization Manager. With hands-on labs and a deep dive into the technology, this training course is the perfect first step for any enterprise planning or executing a virtualization deployment strategy. Students who successfully complete this course are also prepared to take the Red Hat Enterprise Virtualization Certification Exam (EX318) and may earn the Red Hat Certified Virtualization Administrator (RHCVA) certification. Exams sold separately.

Target Audience:

Experienced Linux system administrators responsible for managing enterprise servers who are interested in learning how to manage large numbers of servers or virtual machines using Red Hat Enterprise Virtualization and IT professionals interested in earning a RHCVA certification.

Objectives:

- Deploy Red Hat Enterprise Virtualization platform.
- Use templates for rapid virtual machine deployment.
- Configure Red Hat Enterprise Virtualization environment (datacenters, clusters, and storage domains).
- Secure Red Hat Enterprise Virtualization environment with multilevel administrative roles.
- Install, manage, and troubleshoot virtual machines (servers and desktops).
- Monitor and create custom reports.
- Create virtual machine snapshots and explore high-availability options.
- Back up and restore Red Hat Enterprise Virtualization environment.
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Prerequisites:

- IT professionals who have earned an Red Hat Certified System Administrator (RHCSA) certification or maintain the equivalent experience with Linux
- System administration experience on Microsoft Windows operating systems is beneficial but not necessary for this course

Testing and Certification

- RHCVA Exam (EX318) Hands-on, performance-based, 3-hour exam.
- This course prepares you for these credentials:
- Red Hat Certified Virtualization Administrator — RHCVA

Content:

Red Hat Enterprise Virtualization Overview

- Understand general virtualization, KVM concepts, and Red Hat Enterprise Virtualization platform

Red Hat Enterprise Virtualization Manager

- Install, test, remove and troubleshoot Red Hat Enterprise Virtualization Manager

Red Hat Enterprise Virtualization Hypervisor

- Install, configure, upgrade and troubleshoot Red Hat Enterprise Virtualization Hypervisor

Red Hat Enterprise Virtualization Environment Configuration

- Create and configure data centers, clusters, and storage domains

Red Hat Enterprise Virtualization for Servers

- Install, perform basic management of, and troubleshoot virtual servers

Red Hat Enterprise Virtualization for Desktops

- Install virtual desktops and configure para-virtualized drivers

Manage Virtual Machines

- Create and use image snapshots and explore high availability

Virtual Machine Templates

- Create Windows and Red Hat Enterprise Linux virtual machines with template images

Desktop Pools and Users

- Use desktop pools and deploy the Power User Portal with multi-level administrative roles

Monitoring and Reports

- Monitor Red Hat Enterprise Virtualization and create custom reports

Red Hat Enterprise Linux Hosts

- Manage virtual machines with Red Hat Network

Advanced Red Hat Enterprise Virtualization

- Performance tune Linux hosts and guests; back up and restore Red Hat Enterprise Virtualization

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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