RHCVA exam (EX318)

DESCRIPTION

Course overview

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 enterprise planning or executing a virtualization deployment strategy.

This course also helps candidates prepare for the Red Hat Enterprise Virtualization Administrator exam (EX318), which, if passed, earns them the Red Hat Certified Virtualization Administrator (RHCVA) certification.

Read the entire course outline for more details.

Course content summary

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

Audience and prerequisites

- 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
- IT professionals interested in earning a Red Hat Certified Virtualization Administrator (RHCVA)certification

Prerequisites for this course

- 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

Outline for this course

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 datacenters, clusters, storage domains, and logical networks.
Red Hat Enterprise Virtualization for Servers
Install, perform basic management of, and troubleshoot virtual servers and images.
Red Hat Enterprise Virtualization for Desktops
Install virtual desktops and configure paravirtualized drivers.
Virtual machine templates
Create Microsoft Windows and Red Hat Enterprise Linux® virtual machines with template images.
Pools and users
Use pools and deploy the user portal with multilevel administrative roles.
Monitoring and reports
Monitor Red Hat Enterprise Virtualization and create custom reports.
Advanced Red Hat Enterprise Virtualization
Back up and restore Red Hat Enterprise Virtualization; CLI and API interfaces.
Red Hat Enterprise Linux hosts
Manage virtual machines with Red Hat Network.
Migration and high availability
Migrate a virtual machine and explore high availability
Comprehensive review
Apply the performance objectives learned throughout the course
Note: Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, please contact a training specialist online or at 1-866-626-2994

Recommended next exam or course

RHCVA exam (EX318)
Hands-on, performance-based, 3-hour exam.