RH318

Red Hat Virtualization – Version 4.3

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.

Outline for this course

Red Hat Virtualization overview
Explain the purpose and architecture of Red Hat Virtualization.

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

Create and manage datacenters and clusters
Organize hypervisors into groups using datacenters and clusters.

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.

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

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.

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.

Manage Red Hat Virtualization storage
Create and manage data and ISO storage domains.

Deploy and manage virtual machines
Operate virtual machines in the Red Hat Virtualization environment.

Migrate virtual machines

Migrate and control automatic migration of virtual machines.

Manage virtual machine images

Manage virtual machine snapshots and disk images.

Automating virtual machine deployment

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

Back up and upgrade Red Hat Virtualization

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

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.

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.

Recommended next exam or course

- Red Hat CloudForms Hybrid Cloud Management (CL220)
- Red Hat Certified Virtualization Administrator exam (EX318)