Red Hat Virtualization RH318

Red Hat Virtualization overview

Explain the purpose and architecture of Red Hat Virtualization.

Installing and configuring Red Hat Virtualization

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

Creating and managing datacenters and clusters

Organize hypervisors into groups using datacenters and clusters.

Managing user accounts and roles

Configure user accounts using a central directory service.

Assign access to resources based on job responsibilities using roles.

Adding physical hosts

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

Managing 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.

Managing Red Hat Virtualization storage

Create and manage data and ISO storage domains.

Deploying and managing virtual machines

Operate virtual machines in the Red Hat Virtualization environment.

Migrating virtual machines

Migrate and control automatic migration of virtual machines.

Managing 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.

Backing up and upgrading Red Hat Virtualization

Back up, restore, and upgrade Red Hat Virtualization.

Exploring high-availability practices

Red Hat Virtualization RH318

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

Comprehensive review

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