



Red Hat Virtualization Rh318

Get the skills required to deploy and manage virtual environments
Red Hat Virtualization (RH318) teaches experienced system administrators how to use the virtualization features of Red Hat® Enterprise Linux® managed through the Red Hat Virtualization suite.

Course overview

Students acquire the skills and knowledge to effectively create, deploy, manage, and migrate Linux virtual machines hosted on either dedicated Red Hat Virtualization Hypervisor nodes or Red Hat Enterprise Linux servers using Red Hat Virtualization Manager.

This course also helps candidates prepare for the Red Hat 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.

Duration

32 hs

Course content summary

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



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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 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.

Outline for this course

Overview of Red Hat Virtualization
Define and discuss general virtualization, Kernel-based Virtual Machine (KVM), and the concept of virtualization in Red Hat Virtualization.
Install, configure, and test manager
Install, configure, secure, and troubleshoot Red Hat Virtualization Manager.
Install and configure hypervisor hosts
Install, configure, upgrade, and troubleshoot Red Hat Virtualization Hypervisor.
Create datacenters and clusters
Create datacenters and clusters using Red Hat Virtualization Manager.
Create and maintaining storage
Create and administer data, iso, and export storage domains using Red Hat Virtualization.
Create logical networks
Create logical networks using Red Hat Virtualization Manager.
Deploy virtual machines
Install, deploy, and manage virtual machines (VMs) with appropriate drivers and agents using Red Hat Virtualization.
Manage VM snapshots and images
Manage VMs with snapshots and share images using Red Hat Virtualization.
Automate VM deployment
Utilize templates, pools, and cloud-init to automate deployment of VMs using Red Hat Virtualization.
Monitor and report Red Hat Virtualization



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Locate information using the Red Hat Virtualization administration portal to generate reports of the environment.

Overview of advanced Red Hat Virtualization topics

Describe backing up and restoring Red Hat Virtualization, making Red Hat Virtualization highly available, and using the application programming interface (API).

Install and configure Red Hat Enterprise Linux host

Install and configure a Red Hat Enterprise Linux host.

Migrate VMs and configure high availability

Migrate VMs manually and automatically, and configure high availability with live migration using Red Hat Virtualization.

Comprehensive review

Review the course objectives.

Recommended next exam or course

RHCVA exam (EX318)

Hands-on, performance-based, 3-hour exam.

RHCVA

Earn an RHCVA certification by proving your ability to deploy and manage virtual hosts in production environments using Red Hat Virtualization.