

RHCVA

The exam objectives for Red Hat Enterprise Virtualization 3.5 are as follows:

- Install Red Hat Virtualization Manager and any dependencies.
 - Use Red Hat Virtualization Manager to:
 - Create datacenters and clusters.
 - Manage hypervisor hosts.
 - Configure storage.
 - Create Red Hat Enterprise Linux virtual machines.
 - Develop pools and templates.
 - Set up Red Hat Virtualization Manager users.
 - Install and configure a Red Hat Virtualization Hypervisor to support guests and attach to a Red Hat Virtualization Manager.
 - Import installation media for creating new virtual machines.
 - Perform management tasks such as collecting logs, creating bookmarks for specific events, and more.
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Course Outline

- 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.
- Back up and restore Red Hat Enterprise Virtualization environment.

Full Course Outline

- **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