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## Red Hat Enterprise Virtualization

**Duration: 4 Days**    **Course Code: RH318**

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### Overview:

Red Hat® Enterprise Virtualization (RH318) explores the virtualization features of Red Hat Enterprise Linux® managed through the Red Hat Enterprise Virtualization suite. 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 any enterprise planning or executing a virtualization deployment strategy.

Students who successfully complete this course are also prepared to take the Red Hat Enterprise Virtualization Certification Exam (EX318) and may earn the Red Hat Certified Virtualization Administrator (RHCVA) certification. Exams sold separately.

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### Target Audience:

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 and IT professionals interested in earning a RHCVA certification.

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### Objectives:

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

- 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

### Testing and Certification

- RHCVA Exam (EX318) Hands-on, performance-based, 3-hour exam.
  - This course prepares you for these credentials:
  - Red Hat Certified Virtualization Administrator — RHCVA
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## Content:

### 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 data centers, clusters, and storage domains

### Red Hat Enterprise Virtualization for Servers

- Install, perform basic management of, and troubleshoot virtual servers

### Red Hat Enterprise Virtualization for Desktops

- Install virtual desktops and configure para-virtualized drivers

### Manage Virtual Machines

- Create and use image snapshots and explore high availability

### Virtual Machine Templates

- Create Windows and Red Hat Enterprise Linux virtual machines with template images

### Desktop Pools and Users

- Use desktop pools and deploy the Power User Portal with multi-level administrative roles

### Monitoring and Reports

- Monitor Red Hat Enterprise Virtualization and create custom reports

### Red Hat Enterprise Linux Hosts

- Manage virtual machines with Red Hat Network

### Advanced Red Hat Enterprise Virtualization

- Performance tune Linux hosts and guests; back up and restore Red Hat Enterprise Virtualization

## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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