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Red Hat Virtualization with (EX318) Exam

Duration: 5 Days   Course Code: RH319

Overview:

Red Hat Virtualization with exam (RH319) teaches and validates the skills needed to deploy, administer, and operate virtual machines in your organization using Red Hat® Virtualization. Through numerous hands-on exercises, you will demonstrate the ability to deploy and configure the Red Hat Virtualization infrastructure and use it to provision and manage virtual machines. This offering also prepares you for and includes the Red Hat Certified Specialist in Virtualization exam.
This offering 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. Content summary Configure Red Hat VirtualizationConfigure networking and storage for use with Red Hat VirtualizationManage user accounts and access to the Red Hat Virtualization environmentInstall and manage virtual machines in Red Hat VirtualizationUse templates for rapid virtual machine deploymentManage virtual machine snapshots and imagesMigrate virtual machines and explore high-availability options

Target Audience:

Linux system administrators, virtualization administrators, and hybrid infrastructure engineers interested in deploying large-scale virtualization solutions and managing virtual servers in their datacenters, based on the Red Hat Virtualization open virtualization management platform.

Objectives:

■ **Impact on the organization**

■ This offering is intended to develop the skills needed to improve efficiency within a virtualization environment. Expected results include reducing IT infrastructure costs by virtualizing more workloads on less hardware while avoiding vendor lock-in.

■ This course and exam will teach and validate the ability for virtualization administrators to work more efficiently by using Red Hat Virtualization to deploy, manage, and monitor virtualization environments, resulting in faster response times for users requesting and using virtualized resources. Virtualization engineers will also learn about new forward-looking choices in virtualization design for distributed offices using hyperconverged infrastructure and migration procedures for sites currently running VMware clusters.

■ Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and

■ As a result of completing this offering, you should be able to create and deploy Red Hat Virtualization and virtual servers. Using a single, full-service management interface, Red Hat Virtualization Manager, you will be able to configure, manage, and migrate systems within the virtualization environment.

Prerequisites:

■ Become a Red Hat Certified System Administrator (RHCSA®), or demonstrate equivalent experience
■ Being a Red Hat Certified Engineer (RHCE®) is strongly recommended for Ansible® automation comprehension
■ Take our free assessment to gauge whether this offering is the best fit for your skills.

Testing and Certification

Content:

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.

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/