Virtual Machine Management in Red Hat OpenStack Services on OpenShift

Course code: CL118

Virtual Machine Management in Red Hat OpenStack Services on OpenShift (CL118) delivers hands-on skills in creating, configuring, and managing virtual machine instances. Operators learn to prepare deployment resources such as projects, images, flavors, and SSH key pairs. They also configure project networks and persistent storage resources for application workloads, and perform instance operations such as creating snapshots, resizing, rebuilding, and troubleshooting. This course is based on Red Hat OpenStack Services on OpenShift 18.0.

Who is the course for

What we teach you

Required skills

- Required: RH124, RH134, or RH199. Or equivalent RHEL experience
- Basic data center storage and data center network concepts.
- Basic understanding of virtualization concepts.

We recommend completing our no-cost skills assessment before enrolling in any Red Hat Training or Certification.

Learn more.

Course outline

Introduction to Red Hat OpenStack Services on OpenShift

- Describe the architecture of Red Hat OpenStack Services on OpenShift, identify the key tasks to operate OpenStack, and configure command-line tools to access and to operate an OpenStack cloud.

Preparing to Create Virtual Machine Instances

- Identify the requirements for virtual machine instances and prepare the necessary resources.

Creating and Managing Virtual Machine Instances

- Create and manage the lifecycle of virtual machine instances.

Managing Instance Networking

- Manage network resources, security, and connectivity for instances on internal project networks.

Managing Instance Storage

- Compare ephemeral and persistent storage for instances, and create and attach Cinder volumes to instances.

Advanced Instance Operations

- Manage instance snapshots, troubleshoot instance issues, and apply recommended practices to instance management.

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