

4 Days

## CL310-Red Hat OpenStack Administration III

Professionals will set up a Ceph environment and its configuration as a back end for OpenStack, and configure and use the advanced features of OpenStack Neutron.

### Course Details

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#### Course Outline

Introduction to Red Hat Ceph Storage Introduce Red Hat Ceph Storage architecture, components, and attributes. Describe Red Hat Ceph Storage components and features Describe the components and features of Red Hat Ceph Storage. Deploy and access Red Hat Ceph Storage Create snapshots and clones for Red Hat Ceph Storage. Create snapshots and clones Manage snapshots and clones of a Ceph Block Device (RBD). Ceph with the Glance Image service Integrate Ceph with the OpenStack Glance Image service to store OpenStack images in Ceph. Ceph with the Cinder Block Storage service Integrate Ceph with the OpenStack Cinder Block Storage service to provide OpenStack volumes in Ceph. Ceph with the Nova compute service Integrate Ceph with the OpenStack Nova compute service to store instance data in Ceph. Introduce networking fundamentals Review networking concepts and deploy OpenStack with a separate Neutron networking node. Network interfaces Manage network interfaces manually (using the ip command) and persistently. Virtual bridging Install and manage virtual network bridges. Virtual network devices Create and deploy virtual network devices. Network namespaces Manage and implement networks inside a network namespace. Neutron services Verify and manage the Neutron services. Provisioning tenant networks Provision tenant networks using VXLAN tunnels, GRE tunnels, and VLANs. Implementing load-balancer-as-a-service (LBaaS) Implement LbaaS. Neutron networking services Diagnose and troubleshoot issues with the Neutron networking service. Comprehensive Review Review tasks from the Red Hat OpenStack III course.

#### Who Should Attend

Experienced Linux® system administrators responsible for managing OpenStack environments who want to learn: To configure scalable and distributed storage as a storage back end for OpenStack The advanced features offered by OpenStack Neutron

#### Pre Requisite

Red Hat Certified Engineer (RHCE®) certification or equivalent experience Red Hat Certified System Administrator in Red Hat OpenStack certification or equivalent experience Have taken Red Hat OpenStack Administration (CL210) course

#### Exams

Red Hat OpenStack Administration III []

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