

Red Hat OpenStack Administration III: Networking & Foundations of NFV with Exam

Code:	CL311
Length:	5 days
URL:	View Online

Red Hat OpenStack Administration III: Networking & Foundations of NFV with exam (CL311) teaches network engineers, network operators, cloud operators, and cloud administrators how to manage and tune Red Hat® OpenStack Platform for network performance. This course includes Red Hat® Certified Engineer in Red Hat OpenStack exam (EX310). This offering is based on Red Hat OpenStack version 10.0 and Red Hat Enterprise Linux 7.4.

Skills Gained

- Network functions virtualization (NFV)
- Distributed virtual router (DVR)
- Open vSwitch with Data Plane Development Kit (OVS-DPDK) datapath
- IPv6 networking
- Single-root I/O Virtualization (SR-IOV)*
- Software-defined networking (SDN) with OpenDaylight (ODL)
- VLAN, VXLAN, and GRE networks

Who Can Benefit

This course is designed for network engineers, network operators, cloud administrators, and cloud operators.

Prerequisites

- Become a Red Hat® Certified System Administrator (RHCSA), or demonstrate equivalent experience
- Complete the Red Hat® Certified System Administrator in Red Hat OpenStack exam (EX210), or demonstrate equivalent experience

Course Details

Manage networks in Linux

- Administer network interfaces, bridges, and virtual networking devices.

Manage OpenStack networking agents

- Manage the L2, L3, DHCP, and other OpenStack networking agents.

Deploy IPv6 networks

- Set up IPv6 networks in OpenStack.

Provision OpenStack networks

- Provision tenant networks and provider networks.

Implement distributed virtual routing

- Enable distributed virtual routing (DVR) to provide scaling and performance.

Tune NFV performance

- Tune OpenStack networking performance.

Implement NFV data paths

- Execute network functions virtualization (NFV) data paths.

Build software-defined networks with OpenDaylight

- Create software-defined networks with OpenDaylight (ODL).

Comprehensive review of Red Hat OpenStack Administration III

- Configure advanced networking on Red Hat® OpenStack Platform.
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