

# RED HAT OPENSTACK ADMINISTRATION III: NETWORKING & FOUNDATIONS OF NFV (CL310)

Course Code: 3480

Manage Red Hat OpenStack networking for performance tuning Red Hat OpenStack Administration III: Networking & Foundations of NFV (CL310) teaches network engineers, network operators, cloud operators, and cloud administrators how to manage and tune Red Hat® OpenStack Platform for network performance.

## Manage Red Hat OpenStack networking for performance tuning

Red Hat OpenStack Administration III: Networking & Foundations of NFV (CL310) teaches network engineers, network operators, cloud operators, and cloud administrators how to manage and tune Red Hat® OpenStack Platform for network performance.

This course can also help you prepare for the Red Hat® Certified Engineer (RHCE®) in Red Hat OpenStack exam (EX310, EX310K).

This offering is based on Red Hat OpenStack version 10.0 and Red Hat Enterprise Linux 7.4.

## What You'll Learn

You will learn how to manage the OpenStack networking service (Neutron) with network functions virtualization to enhance network performance. You will configure distributed virtual routers, Open vSwitch with Data Plane Development Kit datapath, and IPv6 networking in OpenStack. You will also deploy software-defined networking with OpenDaylight.

## Course content summary:

- 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

\* **SR-IOV** is covered in the course as a lecture and a video. The specification is not covered as a hands-on exercise because it requires special hardware.

Not sure if you have the correct skill-set knowledge? Find out by passing the online skills assessment.

## Who Needs to Attend

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

## Prerequisites

Become a [Red Hat® Certified System Administrator \(RHCSA\) in OpenStack](#), or demonstrate equivalent experience

Complete the Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210 or EX210K ), or demonstrate equivalent experience

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