

## OpenStack Administration Using Oracle Solaris 11 Ed 2 NEW

**Duration:** 3 Days

### What you will learn

This OpenStack Administration Using Oracle Solaris 11 training is an advanced course offering that encompasses multiple Oracle technologies (Oracle Solaris 11.3, and Oracle VirtualBox). Expert Oracle University instructors focus on helping you develop the skills and knowledge required for configuring Infrastructure as a Service (IaaS) using OpenStack with Oracle Solaris 11.

Learn To:

- Describe the OpenStack Framework.
- Configure a Single-Node OpenStack setup.
- Configure a Multi-Node OpenStack setup.
- Administer identity resources.
- Administer system resources.
- Troubleshoot OpenStack.

### Benefits to You

By taking this course, you'll reap the benefits of participating in a series of guided hands-on labs that walk you through the full spectrum of OpenStack functionalities. You'll gain hands-on, real-world experience configuring and administering single and multiple node OpenStack setups. These labs are designed around scenarios to enhance the learning experience of setting up the cloud infrastructure using OpenStack with Oracle Solaris 11.

### Please Note

This course is intended for experienced Oracle Solaris system administrators responsible for planning and administering cloud infrastructures in a virtualized datacenter. It was developed using OpenStack Juno release covering the OpenStack implementation in Oracle Solaris 11.3.

### Audience

- Storage Administrator
- Support Engineer
- System Administrator
- System Integrator
- Systems Architects

### Related Training

### *Required Prerequisites*

Minimum three years of system administration experience

### *Suggested Prerequisites*

Oracle Solaris 11 Advanced System Administration

Oracle Solaris 11 Advanced System Administration Ed 4

Oracle Solaris 11 Advanced System Administration Ed 5 NEW

Transition to Oracle Solaris 11

Transition to Oracle Solaris 11 Ed 3

Transition to Oracle Solaris 11 Ed 4 NEW

### **Course Objectives**

Configure a single-node OpenStack setup

Configure a multi-node OpenStack setup

Administer identity resources

Administer system resources

Troubleshoot OpenStack

Describe the OpenStack framework

### **Course Topics**

#### **Introduction to the course**

Overview

Course Goals

Course Agenda

Introductions

Your Learning Center

#### **Describing the OpenStack Framework**

Describing the OpenStack Technology

Describing the OpenStack Services

Explaining the points of integration between Oracle Solaris and OpenStack

#### **Configuring a Single-Node OpenStack Setup**

Installing OpenStack

Configuring the network

Configuring Heat Orchestration

Creating VM Instances

### **Configuring a Multi-Node OpenStack Setup**

Configuring the Controller Node

Configuring the Compute Node

Configuring the Block Storage Node

### **Administering Identity Resources**

Managing Projects, Users, and Roles

Managing Quotas

### **Administering System Resources**

Administering VM Instances

Managing Volumes

Managing Flavors

Managing Images

### **Troubleshooting OpenStack**

Gathering General Debugging Information

Reviewing SMF Services

Inspecting Horizon UI Facilities

Analyzing the VM Instance Launch Failure

Verifying the Controller Node Configuration

Inspecting the Compute Node Configuration

Checking the Storage Node Configuration