

S Oracle OpenStack for Oracle Linux: Getting Started Ed 1

Duration: 1 Day

What you will learn

Oracle OpenStack for Oracle Linux: Getting Started teaches students that are new to OpenStack about this cloud computing architecture, core and optional services, Docker images and containers, a multi-node deployment, and troubleshooting deployments.

Learn To:

Describe Oracle OpenStack for Oracle Linux.

Describe the architecture.

Identify core and optional services.

Describe Docker images and containers.

Describe preparing nodes and a multi-node deployment.

Troubleshoot a multi-node deployment.

Benefits To You:

The Oracle OpenStack solution maintains the flexibility of OpenStack while allowing customers to deploy and manage public, private and hybrid cloud infrastructure. This course helps you understand all the concepts involved in these architectures.

Oracle OpenStack is packaged as a set of Docker images for streamlining installation and running within Docker containers which eliminates the need to install components individually and directly on nodes. You will see the steps involved in achieving a multi-node deployment, as well as key troubleshooting tips.

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Related Training

Suggested Prerequisites

Familiarity with networks

Installing rpm packages

UNIX and Linux Essentials Ed 1

Course Objectives

Describe the networking services and architecture of Oracle OpenStack for Oracle Linux

Describe Core and Optional OpenStack Services

Describe Docker's Architecture and Internal Components

Describe Docker Administration

Identify hardware and storage prerequisites

Describe the kollacli command

Describe host nodes for a multi-node deployment

Describe deploying Oracle OpenStack for Oracle Linux

Review removing Docker images and OpenStack Services

Describe centralizing OpenStack service logs with rsyslog

Describe analyzing and tracing virtual machine instances

Describe the OpenStack software platform

Review the history of OpenStack

Define SaaS

PaaS

and IaaS

Review features and benefits of Oracle OpenStack for Oracle Linux

Identify the node types

instances and storage types of Oracle OpenStack for Oracle Linux

Course Topics

Introducing Oracle OpenStack for Oracle Linux

What is OpenStack

Cloud Computing Models: SaaS, PaaS, and IaaS

Features of Oracle OpenStack for Oracle Linux

Benefits of Oracle OpenStack for Oracle Linux

Architecture

Node Types

Instance Types

Storage Types

Networking Services

Deployment Types

High Availability Mode

Core and Optional Services

Services Architecture

Core Services

Optional Services

Docker

Docker Architecture

Docker Engine and Images

Docker Containers

docker Command

Btrfs

Docker Registry

Deployment

Deployment Scenarios

Hardware and Storage Prerequisites

The kollacli Command

Adding and grouping host nodes
Verifying Deployment

Troubleshooting

Viewing Log Files
Removing Docker Images
Removing Services
rsyslog
Virtual Machines Instances
RabbitMQ