

UNIX and Linux Essentials Ed 1

Duration: 3 Days

What you will learn

This UNIX and Linux Essentials course is designed for users and administrators who are new to the Oracle Linux and Oracle Solaris operating systems. It will help you develop the basic UNIX skills needed to interact comfortably and confidently with the operating system.

Learn To:

Manage files and directories from the command line and learn to use the vim editing tool.

Perform remote connections and file transfers.

Customize the user environment and use advanced shell features in shell scripts.

Archive and compress files and directories.

Understand and manage process control.

View and modify file and directory permissions.

Benefits to You

Learn to work effectively with UNIX and Oracle Linux environments and master the fundamental administrative tasks for these operating systems. These are the first steps to ensuring fast, reliable, secure and easy to manage performance.

Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto Oracle Cloud or private clouds.

Audience

Administrator

Cloud Administrator

Developer

End Users

Support Engineer

Technical Consultant

Related Training

Suggested Prerequisites

Knowledge of basic networking concepts

Course Objectives

Manage processes

Use advanced shell features in shell scripts

Archive files and perform remote file transfer

Use commands within the default shell

View and modify file and directory permissions

Describe the UNIX and Linux operating system

Work with files and directories

Use the vim editor to create and modify files

Course Topics

Introduction to UNIX and Linux Environments

Overview of the UNIX and Linux Operating Systems

Executing Commands from the Command Line

Working with Files and Directories

Determining Where You Are in the Directory Structure

Viewing File Content

Copying Files and Directories

Creating and Removing Files and Directories

Searching Files and Directories

Using the vim Editor

Introducing the vim editor

Modifying Files with the vim editor

Using Features within the Bash Shell

Using Shell Expansion

Using Variables in the Bash Shell

Displaying the Command History

Redirecting Commands

Working with User Initialization Files

Using Basic File Permissions

Viewing File and Directory Permissions

Changing Ownership and Permissions

Modifying Default Permissions

Performing Basic Process Control

System Processes Overview

Managing Processes

Using Advanced Shell Features in Shell Scripts

Using Advanced Shell Features

Creating and Editing Shell Scripts

Archiving, Compressing and Performing Remote file Transfer

Archiving and Retrieving Files and Directories
Compressing, Viewing, and Uncompressing Files and Directories
Establishing Remote Connections and Performing File Transfers

Oracle Cloud Computing

Introducing Oracle Cloud Infrastructure as a Service
Oracle Cloud Infrastructure Concepts
Describing Oracle IaaS Deployment Solutions and Services
Launching Oracle Cloud Infrastructure Services