

# UNIX and Linux Essentials

## **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