UNIX and Linux Essentials

Duration: 3 Days

Course Description:

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 to interact with the operating system.

Course Objectives:

Upon completion of this course, the student should be able to:

- 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

Target Audience:

- Administrator
- Database Administrator
- Developer
- End User
- Systems Administrator

Course Outlines:

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

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training@trends.com.ph
(+632) 8863-2123
www.trendsacademy.com.ph