KOENIG SOLUTIONS · COURSE OUTLINE

Introduction to Linux Environment

3 Days	8	24
DURATION	MODULES	TOPICS

LEARNING OBJECTIVES

- Explain the structure and purpose of the UNIX operating system
- Execute commands from the UNIX command line
- Manage files and directories, including copying and searching
- Modify files using the vi editor
- Apply shell expansion and variables within the Bash shell
- Redirect commands and review command history
- Configure file and directory permissions
- Manage processes, shell scripts and remote file transfers

COURSE SYLLABUS

8 Modules, 24 Topics

DAY 1

01

Introduction to UNIX

TOPICS

Overview of the UNIX Operating System · Executing Commands from the Command Line

02

Working with Files and Directories

TOPICS

- 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

03

Using the Vi Editor

TOPICS

Introducing the vi Editor · Modifying Files with the vi Editor

DAY 2

04

Using Commands within the Default Shell

TOPICS

Using Shell Expansion · Using Variables in the Bash Shell · Displaying the Command History · Redirecting Commands · Working with User Initialization Files

05

Using Basic File Permissions

TOPICS

Viewing File and Directory Permissions · Changing the Permissions · Modifying Default Permissions

06

Performing Basic Process Control

TOPICS

System Processes Overview · Managing Processes

DAY 3

07

Using Advanced Shell Features in Shell Scripts

TOPICS

Using Advanced Shell Features · Creating Shell Scripts

08

Archiving Files and Performing Remote Transfer

TOPICS

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

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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