

Linux Administrator + AWS Cloud Engineer Training with Placement Assistance

Overview

The Linux Administrator course is a comprehensive training program designed to provide IT professionals with the skills and knowledge needed to effectively manage Linux-based systems. This course covers a wide range of topics, including Linux installation and configuration, system administration, networking, security, and scripting. The program is intended for IT professionals who wish to deepen their expertise in Linux-based operating systems and learn best practices for managing Linux environments. Upon completion of the Linux course, participants will have gained the skills necessary to deploy and manage Linux-based systems, automate common administrative tasks, and troubleshoot issues that may arise in a Linux environment. With Linux being one of the most widely used operating systems in the world, this course is teaching essential Linux skills for IT professionals in many industries.

Linux Administration Training:

Module 1: Introduction to Linux

- History of Unix & Linux
- Features of Linux

Module 2: Files and Directories Management

- FHS (Filesystem Hierarchy Standard)
- Creating Files Using cat
- Using touch Commands
- Modifying Files with Vi/Vim Editors
- Copying Files & Directories
- Removing Files & Directories

Module 3: Booting Process

- Booting Stages
- Root Password Resetting

Module 4: User and Group Administration

- Filtering Commands
- Creating and Deleting Users
- Creating and Deleting Groups

Module 5: Permissions

- Modifying & Verifying File Permissions Using Basic File Permissions
- Creating Soft Link and Hard Link
- Implementing Access Control List (ACL)
- Applying Advanced File Permission

Module 6: Process Management

- Monitoring the Process Using ps
- Using kill and top Commands

Module 7: Disk Partitions and Mounting File System

- Creating Partition Using fdisk Command
- Formatting the Partition
- Mounting the Partition
- Implementing Logical Volume Manager (LVM)

Module 8: Data Backup and Recovery

- Taking Data Backup Using tar Command
- Automation Using at and crontab

Module 9: Software Package Administration

- Installing and Deleting Software Packages Using rpm and yum
- Querying and Updating Software Packages

Module 10: Network File System (NFS)

- Configuring NFS File Sharing Server
- Mounting NFS Shared Folder from Client Systems

Module 11: SFTP

- Uploading and Downloading Files Using SFTP

Module 12: Firewall

- Configuration of Firewall
- Disabling Firewall

Module 13: Bash Scripting

- Writing and Running Bash Script

Lesson 01 - Course Introduction

- Public Cloud, Private Cloud, Hybrid Cloud
- IP Address
- IaaS, PaaS, SaaS
- 1.01 Introduction to AWS Cloud

Lesson 02 - AWS Core Concepts

- Overview of AWS
 - AWS Infrastructure
 - Introduction to AWS Management Console
 - AWS Free Tier
 - AWS Billing
 - Overview of AWS Core Services
 - Amazon EC2
 - Storage Service
 - S3 Simple Storage Service
 - EFS - Elastic File System
 - EBS - Elastic Block Storage
 - AWS Backup
 - Database Services
 - RDS - Relational Database Services
 - DynamoDB
 - AWS Support
 - Billing Alerts
 - IAM: AWS Identity and Access Management IAM
- Lesson 03: EBS
 - EBS
 - Amazon EBS vs. Instance Storage
 - Auto Scaling

- Load balancing
- Lesson 04 - Storage Services
 - 4.01 Introduction to Amazon S3
- Lesson 05 - VPC Networking
 - Firewall Security Group
 - Firewall Network ACL (NACL)