**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

**AWS Cloud Engineer**

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
    - Biling 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)