



SKILLIO

Weekly Plan

LINUX Server And AWS



- 1 Introduction to Amazon Web Services (AWS) & the Cloud
- 2 What Is Cloud Computing & Advantages of Cloud Computing
- 3 AWS Architecture and Terminology, AWS Regions and Availability Zones
- 4 Cloud Service Models, Essential Characteristics & Cloud Computing Deployment Models
- 5 Lab Practice : Navigate the AWS Management Console





- 1 AWS Elastic Compute Cloud
- 2 AWS EC2
- 3 Understanding EC2 Instance Types, The Lifecycle of Instances
- 4 Storage Options for EC2 Instances & Advanced EC2 Features
- 5 Lab Practice : Deploying an EC2 Linux and EC2 Windows Instance, Security Groups, Monitoring and Reporting



- 1 Manage local users and groups in EC2
- 2 Control access to files and Monitor & manage Linux processes
- 3 Control services and daemons
- 4 Control access to files with ACLs
- 5 Setup Cronjob in EC2
- 6 Lab Practice : Create User and Groups and Setup file permission, Create ACL for file and folder





- 1 Introduction to LAMP
- 2 Install and configure LAMP in EC2
- 3 Install and Configure VSFTPD in EC2
- 4 Manage network security(UFW) in EC2
- 5 Lab Practice: LAMP Setup in EC2, Create FTP user, Manage UFW in EC2

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**Practical exam based on
four week learning**



Exam



- 1 AWS Storage Fundamentals
- 2 Amazon Elastic Block Store(EBS)
- 3 Managing Instance Volumes Using EBS, EBS Snapshots and Replication
- 4 Defining & Modifying a Class of Service
- 5 Lab Practice: AWS EBS - Creating and Deleting EBS Volume, Attaching & Detaching EBS Volume and Creating Snapshot



- 1 AWS Simple Storage Service (S3) Essentials, S3 Bucket/Object Versioning And LifeCycle Policies
- 2 Setup AWS S3 Storage in Linux Server
- 3 Moving Objects Into S3, Handling Bucket And Object Permissions, Accessing S3 Objects
- 4 Lab Practice: Create AWS S3 Bucket, S3 Bucket Policy and Versioning





- 1 Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM)
- 2 Introduction To VPC And AWS Networking, AWS Networking Architecture
- 3 Elastic IP Addresses (EIPs)
- 4 Lab Practice: Configure Elastic IP Addresses in Instances



- 1 Database Fundamentals for AWS
- 2 Amazon RDS (Relational Database Service) Overview, Working With RDS
- 3 RDS Security Groups
- 4 Lab Practice: Setting Up RDS



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Exam



- 1 Explain and Managing DNS Server
- 2 Point Domain in DNS server
- 3 Update MX,DKIM,DMARC and SPF Record In Dns Server
- 4 Lab Practice: UPdate Recored in DNS, Domain Point





- 1 Explain Web Hosting and Domain & SubDomain
- 2 Configure Site and VHost in Apache EC2
- 3 Upload Source Code in EC2
- 4 Setup RDS and Upload Database in RDS
- 5 Lab Practice: Host website in EC2

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1 Lab Practice



Week 11

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**Practical exam based on
complete course learning**

Exam



Congratulations!

You have successfully completed this course!