

AWS: CLOUD PRACTITIONER

AWS CLOUD PRACTITIONER SYLLABUS | HOURS: 45

Course Outline

INTRODUCTION TO CLOUD

CLOUD CONCEPTS

VIRTUALIZATION

- Hypervisors
- Virtual machines
- Virtual networks
- Labs

NETWORK FUNDAMENTALS

- Devices
- Topologies
- OSI And TCP/IP Models
- Labs

IPV4 ADDRESSING AND SUBNETTING

- Binary
- IPV4 Addressing
- IPV4 Subnetting
- Labs

AWS ACCOUNT CREATION

- AWS Free Tier Creation
- AWS Console Access & Operation
- AWS Services

AWS COMPUTING

- Virtual Machine, EC2 Concepts
- Creating Linux EC2
- Accessing Linux EC2
- Linux Basic Commands
- Understanding SSH Protocol and Operation

EC2 WINDOWS MACHINE

- Ec2 Windows Machine Creation
- Accessing Windows Ec2 Using RDP
- Windows OS Types

AWS: CLOUD PRACTITIONER

AWS CLOUD PRACTITIONER SYLLABUS | HOURS: 45

LINUX EC2 APACHE WEB SERVER

- Apache web server
- Configuring Apache web server on Linux Ec2
- Accessing and Securing Apache web server

WINDOWS EC2 IIS

- IIS web server configuration
- Accessing and Securing Ec2 IIS web server

AWS BILLING CONCEPT

- Configuring AWS Billing
- Budget
- Billing Alarm

AWS IAM

- Identity and Access Management
- Configuring AWS IAM
- LABS

IAM – SECTION 2

- IAM Additional Settings and Configurations
- LABS

AWS: STORAGE TYPES

- Amazon EBS
- Amazon S3
- Amazon EFS

AMAZON ELASTIC BLOCK STORE

- Properties and Usage of Amazon EBS
- ELB Section 1
- ELB Section 2

AMAZON SIMPLE STORAGE SERVICE (S3)

- Overview of S3
- Properties and Usage of S3 Storage

AWS: CLOUD PRACTITIONER

AWS CLOUD PRACTITIONER SYLLABUS | HOURS: 45

- S3 Versioning
- S3 Encryption

AMAZON ELASTIC IP

- Concept About Elastic IP
- Configuring Elastic IP
- Labs

AWS VIRTUAL PRIVATE CLOUD (VPC)

- Concept About VPC
- VPC Section 1
- VPC Section 2
- Labs

AWS AUTO SCALING

- Auto Scaling Concept
- Auto Scaling Section 1
- Auto Scaling Section 2

AWS RDS MYSQL

AWS ELASTIC NETWORK INTERFACES

AWS SYSTEM MANAGER

AWS TAGS&SSM RESOURCE GROUPS

AWS SSM DOCUMENTS & RUN COMMANDS

INTEGRATING MICROSOFT AD WITH AWS

IPV6 CONCEPT

ADDITIONAL THINGS AND LABS