AWS Training Course Syllabus

Introduction

• **Introduction to Cloud Computing and AWS services**

• **Private vs Public Cloud**

• **History of AWS**

Simple Storage Service(S3)

• **Introduction to Simple Storage Service(S3)**

• **How to create Bucket**

• **How to store objects**

• **Bucket properties and Object Properties**

• **How to create Bucket policy**

• **Static website Hosting in S3**

• **Versioning and Life cycle creation for objects**

• **S3 browser**

Elastic Compute Cloud (EC2)

• **Introduction to Elastic Compute Cloud (EC2)**

• **Launching EC2 server**

• **Elastic Block Store (EBS)**

• **Elastic IP creation**

• **Amazon Machine Image (AMI)**

• **Snapshots creation from Volume**

DevOps

• **Elastic Load Balancer (ELB)**

• **Introduction to Auto Scaling**

• **Creating Launch Configuration with AMI**

• **Creating Auto Scaling group**

• **Testing the auto scaling with online load testing tool**

Virtual Private Cloud (VPC)

• **Networking Basics**

• **Introduction to Virtual Private Cloud(VPC)**

• **Creating public and private subnets**

• **Creating Routing Tables**

• **Creating Internet Gateways**

Relational Database Service (RDS)

• **Introduction to Relational Database Service (RDS)**

• **Creating RDS instance**

• **Creating Mediawiki website within VPC and configuring private subnet database**

Identity and Access Management (IAM)

• **Introduction to Identity and Access Management (IAM)**

• **Creating users and Groups**

• **Creating Custom policies**

• **Giving access to users to services using custom policies**

Cloud Formation

• **Introduction to Cloud Formation**

• **Designing a template in Cloud Formation**

• **Creating Stack using designed Cloud Formation templates**

AWS Monitoring Services

• **Introduction to Cloud Watch**

• **Creating alarm using Cloud Watch**

• **Simple Notification Service (SNS)**

AWS Content Delivery Services

• **Introduction to Cloud Front**

• **Creating Content Distribution**

• **Simple Email Service (SES)**

• **Simple Queue Service (SQS)**

Domain Name Services

• **Route 53**

Other Services

• **Dynamo DB**

• **Overview of Import/Export**

Use Cases

• **AWS cloud migration Architects use cases explanation**