

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



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