

Amazon web services (AWS) Course Syllabus

Module 1 - Networking

- ◆ Creating a VPC(virtual Private Cloud)
- ◆ Creating Private & Public Subnets
- ◆ Cloudfront
- ◆ Route53

Module 2 - EC2(Elastic Compute Cloud)

- ◆ Explanation about EC2
- ◆ Creating Internet Gateways
- ◆ Creating Security Groups.
- ◆ Creating and assigning Elastic IPS
- ◆ Lightsail
- ◆ Lambda
- ◆ Elastic beanstalk

Module 3 - Working with IAM(Identity Access Management)

- ◆ Introduction to IAM
- ◆ Configuring IAM via AWS Management Console
- ◆ Multi Factor Authentication
- ◆ AWS Security Token Service (STS)
- ◆ Configuring Routing & Route Tables

Module 4 - Securing VPC

- ◆ VPC peering
- ◆ VPC access methods

- ◆ Theory about Direct Connect
- ◆ NACL(Network Access Control List)
- ◆ Creating AMI(Amazon Machine Images)
- ◆ ELB(Elastic Load Balancing)
- ◆ Characteristics of ELB
- ◆ Configuring ELB via AWS management Console

Module 5 - Logging & Monitoring Tools

- ◆ Cloud Watch
- ◆ Cloud Formation
- ◆ Cloud Trail

Module 6 - Developers Tool

- ◆ Code commit
- ◆ Code build
- ◆ Code deploy
- ◆ Code pipeline

Module 7 – Auto scaling

- ◆ Auto Scaling Features
- ◆ How Auto Scaling works
- ◆ Configuring Auto Scaling

Module 8 – S3(Simple Storage Service)

- ◆ Different storage types
- ◆ About Buckets and storing data
- ◆ Glaciers
- ◆ EFS

- ◆ Storage Gateway

Module 9 – Application Services

- ◆ SES (Email Sending and Receiving services)
- ◆ SQS (Message Queue Services)
- ◆ SMS (Publish Text Message)

Module 10 – Introduction to Databases

- ◆ RDS
- ◆ Dynamo DB
- ◆ Elastic cache