AWS Course Content

Introduction to Cloud Computing

- Datacenter Overview
- Virtualization
- Cloud Computing
- Public Cloud
- Private Cloud
- Hybrid Cloud
- Cloud Deployment Models
- IaaS
- PaaS
- SaaS

Introduction to Amazon Web Services

- History
- AWS Global Presence (Regions & Availability Zones)
- Gartner Analysis and Market Leaders
- Management Console & Subscription
- Service Catalog and Market Place
- Free Tier Limitations
- AWS Security & Compliance
- AWS Certifications Overview

Elastic Compute Cloud (EC2)

- EC2 Overview
- Different Instance Types and Different Models
- Amazon Machine Image (AMI)

- Elastic Block Storage (EBS) and Ephemeral Storage

- Placement Groups

- Elastic Load Balancer (ELB)

- Auto Scaling

- Elastic IPs

- Tags

Virtual Private Cloud (VPC)

- Overview

- Subnets

- Network ACLs

- Security Groups

- Route Tables

- Internet Gateways

- DHCP Option Set

- VPC Peering

Storage Services

- Simple Storage Service (S3)

- Buckets and Objects

- Version Control

- Lifecycle Management

- Glacier

- Storage Gateway

- Snowball

- Snow Mobile

Database Services

- Relational Database Service (RDS)

- DynamoDB

- RedShift

- ElastiCache

Messaging Services

- Simple Queue Service (SQS)

- SSimpleMessaging Service(SMS)

- SSimpleEmail Service(SES)

- SSimpleWork Flow (SWF)

Security Services

- Identity and Access Management

- User Permissions

- Groups

- Roles

- Policies

- Multi Factor Authentication (MFA)

- Web Authentication Firewall (WAF)

- Inspector

- Certification Manager

Management and Reporting Tools

- Cloud Watch

- Cloud Trail

- Config

- Opswork

- Trusted Advisor

- WorkMail

- WorkDocs

Other Network Services

Route53

- Overview

- Hosted Zones

- DNS Management

- Amazon Web Services Course

- Traffic Flow Management

- Availability monitoring

- Domain Registration

- Direct Connect

- CloudFront

- Content Delivery Network

- Static Vs Dynamic Content

- Edge Locations