

AWS Course Content

Amazon Web Services (AWS):

- Introduction to the AWS Product
- Amazon Elastic Compute Cloud(EC2)
- Amazon Simple Storage Service (S3)
- Elastic Block Storage (EBS)
- Elastic Load Balancing (ELB)
- Amazon Relational Database Service (RDS)
- Amazon Virtual Private Cloud (VPC)
- Amazon DynamoDB
- Auto Scaling
- Amazon ElastiCache

Elastic Compute Cloud Essentials:

- Introduction to the AWS Management Console
- Regions and Availability Zones - How to choose the right one
- Amazon Machine Images (AMI)
- Setting up security
- Finding the right AMI
- Launching an instance - How to choose the right instance type
- Security via Key Pairs
- Working with the Security Group
- Assigning Elastic IPs
- Logging into the instance

EC2 Instances:

- Deciding between On-demand instances, Spot instances, Reserved instances
- EC2 Reserved Instance Marketplace

Working with AMIs :

- Choosing the right AMI
- Creating your own AMI
- Deciding what goes into an AMI

Elastic Block Store (EBS) :

- Creating and deleting volumes
- Attaching and detaching volumes
- Mounting and Unmounting the attached volume
- Creating snapshots

Simple Storage Service (S3):

- Creating and deleting buckets
- Adding objects to buckets
- Getting objects
- Deleting objects

Relational Database Service (RDS):

- Selecting the Engine
- Configuring the Database Engine
- Creating your Database
- Setting up automatic backups
- Authorizing access to the DB via DB Security Groups

Amazon Virtual Private Cloud (VPC)

- Amazon Virtual Private Cloud
- Networking
- Subnets
- Security Groups

Cloudwatch :

- Debugging cloud related issues
- Monitoring the AWS Service Health Dashboard
- Monitoring with Cloudwatch
- Getting statistics for a specific EC2 instance
- Getting aggregated statistics
- Metrics for other AWS Services and related namespaces
- Setting up notifications
- Using command-line tools

Elasticaache :

- Advantages of Elasticaache
- Understanding various terminologiesIAM Best Practices
- Cache Cluster and Cache Node

Other AWS Services :

- Cache Security GroupsElastic Beanstalk
- Cache Parameter GroupsSimple Notification Service
- Cache Node TypesSimple Email Service (SES)
- Auto-discovery of nodesSimple Queue Service (SQS)