



# Amazon Web Services (AWS) Training

## Amazon Web Services (AWS) Cloud Services

### → Introduction to AWS Cloud Services

- What is cloud computing?
- History of cloud
- Different vendors for Cloud
- Cloud main objectives
- IaaS overview
- PaaS overview
- SaaS overview
- Why AWS Cloud
- AWS Architecture
- Features of AWS cloud

### → AWS Console:

- AWS Management Console
- AWS plugins
- AWS CLI
- AWS Blogs/Documentation

## AWS Web Services

### 1. Amazon Elastic Compute Cloud (EC2) (Complete)

- Different instance types
- AMI's
- Volumes
- Snapshots
- EIP's
- Key pairs
- Security groups
- Network Interfaces
- Load balancers
- Auto scaling
- Tags

## 2. AWS S3

- What is s3?
- Buckets & objects
- Pre-signed URL
- Permissions
- Distributions
- Relation between Cloud front, S3 & glacier

## 3. VPC

- VPC basics
- Public subnets & private subnets
- Network ACL's
- Difference between Network ACL & Security groups
- Route tables
- Internet gateways
- DHCP option sets
- Launch Servers with VPC.

## 4. IAM

- Basics of AWS permissions.
- Roles
- Profiles
- Policies
- MFA authentication.
- User permissions
- Groups based
- AWS key & Secret Key

## 5. Dynamo DB

- What is no sql technologies
- Dynamo DB capacity
- Create tables & do a sample projects.

## 6. Route 53

- Hosted zone
- Types(Cname, Ip address, MX)
- Change references to meet CName

## 7. SES

- Email services
- SMTP Servers

## 8. SQS

- Queue creations
- Retention periods
- Dead letters

## 9. SNS

- Topic
- Subscriptions
- Notification & Applications

## 10. Cloud Watch

- Different Metrics
- Monitoring
- Custom metrics

## 11. Cloud Formation

- Cloud formation templates
- Complete resources & explanation with sample templates

## 12. Cloud Front

## 13. Code deploy

- Why Code deploy
- How to apply patch with Code Deploy

## 14. Workspaces

## 15. Glacier

## 16. Cloud Trail

## 17. AWS Config

## Network Concepts:

- Active directory
- Computer name
- Network commands