



AWS



The Best Training Institute in Hyderabad



AWS

1. Cloud Computing:

- What is Cloud?
- Evolution of Cloud Computing
- Cloud Service Models (IaaS, PaaS, SaaS)
- Cloud Deployment Model (Public, Private & Hybrid)
- Public Cloud Providers (AWS, MS Azure, GCP)

2. AWS (Amazon Web Services)

- Introduction to AWS
- Global Infrastructure
- Free tier overview & limitations
- AWS Account creation
- Create Billing Alarm for unnecessary billing
- Create IAM User
- Assign Multi Factor Authentication to user
- Login into AWS Management Console



3. Elastic Compute Cloud (EC2) Instances

- Instance Types
- Pricing options
- Working with AMIs
- EC2 Instance Creation
- Windows & Linux instances
- Login access to the Instance
- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs

4. Elastic Block Store (EBS)

- EBS Volume Types
- Instance Store Volumes
- Optimizing Disk Performance
- Creating and Deleting Volumes
- Attach and Detach Volumes
- Mount and Un-mounting Volumes



5. Identity and Access Management (IAM)

- Creation of Users Accounts
- Roles in IAM
- Groups in IAM
- Account Settings
- Creating Permissions for Users
- Deleting Permissions for Users

6. Virtual Private Cloud (VPC)

- Creating a Custom VPC
- Security Groups
- Creating Identity Gate Way (IGW)
- Connecting Instances in the Gateway
- Subnets
- Route Tables
- VPC Peering
- NAT Gateway



7. Elastic Load Balancer (ELB)

- What is Elastic Load Balancing?
- How Elastic Load Balancing Works
- Types of ELB
- Target Groups
- Creating Load Balancer

8. Auto Scaling

- What is Auto Scaling?
- Auto Scaling Components
- Advantages of Auto Scaling
- Auto Scaling Groups (ASG)
- Launch Templates
- Create Auto Scaling Group

9. Simple Storage Services (S3)

- Classes & Life Cycle
- Creating and Deleting Buckets
- Uploading & Deleting Objects
- Hosting Static Website using S3



10. Elastic File System (EFS)

- Creating & Deleting EFS
- Attaching& DetachingEFS to Instance

11. Route 53

- DNS Records overview
- Routing Policies
- Hosting sample Website and configuring Policies.

12. Relational Database Services (RDS)

- Data Base Instances
- Data BaseEngine
- Launching a RDS Instances (MySQL, MSSQL &Aurora)
Multi-AZ & Read Replicas for RDS instances

13. Elastic Beanstalk

- Deploy, manage, scale an application
- Workflow of Elastic Beanstalk
- Create Application
- Launch Environment



- Launch Environment
- Manage Environment
- Creating application source bundle
- Modifying the properties of the deployment

14. AWS Monitoring & Notification services

- Amazon Cloud Watch – Create Topics & Set Alarms
- Simple Notification Services
- Simple Queue Service
- Simple Email Service



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