



**Logiclabs Technologies Private Limited**



**amazon**  
**web services™**

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**Trainer:** Sunil | **Duration:** 30 Days | **Each Session :** 1 Hr

# Course Contents

## Introduction to Cloud Computing

- Introduction to cloud computing
- Service Models in Cloud computing
- Deployment models in Cloud Computing
- Introduction to AWS
- AWS Account creation & free tier limitations overview

## Identity Access Management

- Root Account Vs IAM user
- Multi Factor Authentication for Users
- IAM Password Policies
- Creating Customer Managed Policies.

## Storage

- What is Simple Storage Service (S3)
- Storage Classes
- Versioning&Cross-region replication
- Life Cycle Management
- Security & Encryption
- Static Webhosting with S3 bucket

- Events configuration on S3 buckets
- S3 Data management & backup using 3<sup>rd</sup> Party applications.
- Storage Gateway

## Compute

- EC2 Instance Launch Wizard
- EC2 Instance Types
- Generating custom Public Key and Private keys for EC2 instances
- Security groups
- Volumes and Snapshots
- Creating customized Amazon Machine Images
- RAID Overview and RAID Configurations
- User Data and Metadata
- ElasticLoad Balancer & Auto Scaling Groups
- CloudWatch
- Creating Billing Alarm and EC2 instance alarms.
- AWS CLI&EC2 Roles
- Elastic File System
- Elastic Beanstalk
- Placement Groups

## Route 53

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

## Databases

- Launching a RDS Instances (MySQL, MSSQL & Aurora)
- Multi-AZ & Read Replicas for RDS instances
- DynamoDB
- Redshift
- ElastiCache
- Database Migration Service and Schema conversion tool

## VPC (Virtual Private Cloud)

- Networking Basics
- Creating custom VPCs and custom Subnets
- Network ACLs
- Route Tables & IGW
- VPC Peering
- Flowlog creation
- VPN Configuration with AWS (OpenVPN)

## Security Options:

- CloudTrail
- AWS Config
- Key Management Services
- AWS Certificate Manager
- AWS Inspector
- AWS Trusted Advisor
- Content Delivery Networks / CloudFront

## Application Services

- Simple Email Service
- Simple Queue Service
- Simple Workflow Service
- Simple Notification Service
- SMS – Server Migration Service
- Migrating server from on-premises to cloud
- Cloud Formation
- Directory Services and Adding EC2 instance to Domain
- AWS TCO Calculator and Simple Monthly calculator

## Monitoring Tools:

- Creating Custom Metrics with CloudWatch

————— *Thank You* —————