



# Learn & Master **AWS.**

Classroom | Online | Corporate

# WHY

## School of Analytics

“As one of the INDIA's leading tech training and talent organisations, SOA helps individuals ranging from those at the start of their journey who want to learn AWS to seasoned professionals looking to develop and extend professional services competencies, with training to get the most of Amazon Web Services(AWS).”



# Learning Pathway .

## 01 Introduction to Cloud Computing

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

## 02 Identity Access Management

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

## 03 Glacier 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
- Enabling cross-account access for S3
- S3 Data management and backup using 3rd Party applications.
- S3 Cross-Account Access and Pre-Signed URLs
- Storage Gateway

### Linux Introduction

- Basics of Linux for AWS
- Linux Installation and Basic commands overview
- Web Server and Services Configurations

## 04 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 Balancers & Health Checks
- Auto Scaling Groups
- CloudWatch
- Creating Billing Alarm and EC2 instance alarms.
- AWS CLI&EC2 Roles
- Elastic File System
- AWS Lightsail
- Elastic Beanstalk
- Placement Groups

## 05 Route 53

- DNS Records overview
- Routing Policies
- Hosting sample Website and configuring Policies
- Simple Routing Policy
- Latency Routing Policy
- Failover Routing Policy
- Weighted Routing Policy
- Geolocation Routing Policy

## 06 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

## 07 VPC (Virtual Private Cloud)

- Networking Basics
- Creating custom VPCs and custom Subnets
- Network ACL's
- Route Tables & IGW
- VPC Peering
- Flow log creation
- VPN Configuration with AWS (OpenVPN)

## 08 Security Options

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

## 08 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

## 09 DevOps Tools Overview

- What is DevOps in Cloud
- Code Pipeline
- Code Commit, Code Build
- Code Deploy
- Lambda

## 10 Monitoring Tools

Creating Custom Metrics with CloudWatch

## 11 Amazon White Papers review

- Security
- Reliability
- Performance Efficiency
- Cost Optimization
- Operational Excellence



*Develop a passion for learning. If you do, you will never cease to grow.*



Let us know how we can help you, or your  
organisation with your learning or  
talent requirements.

## CONTACT US



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