

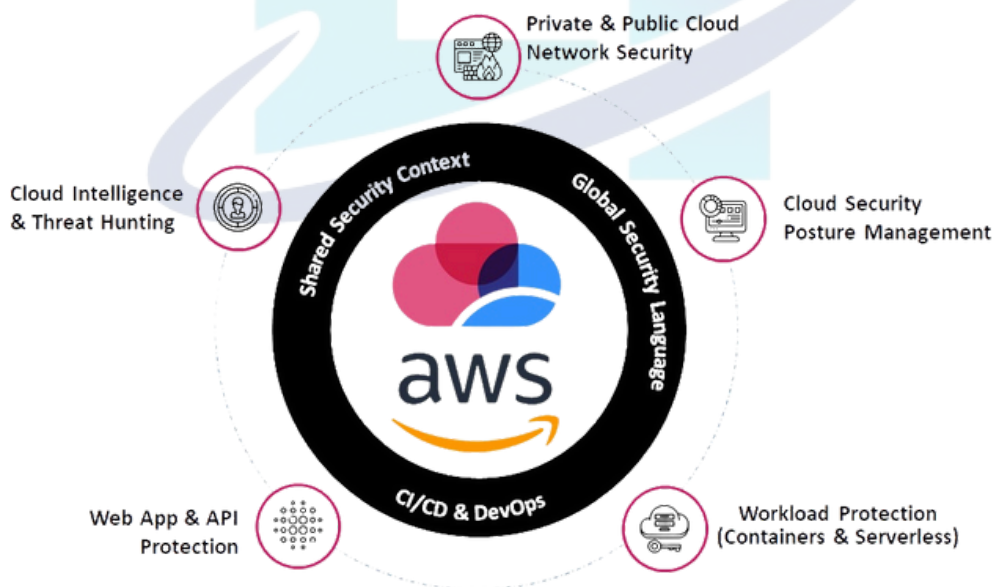
## A Steps towards the bright future

**Learnomate Technologies** is the Information technology company which provide training on different IT Technologies.

Out of that **Amazon Web Services** is the one of the technology.

Course structure design in such a way that student will learn from Basic concepts to advance.

"Embark on a transformative journey towards becoming an AWS Solutions Architect. From mastering core AWS services and architectures to designing scalable, resilient solutions, each step of the journey brings you closer to expertise. With guidance from industry experts, practical experiences, and continuous learning, you'll evolve into a trusted cloud architect, ready to tackle any challenge and lead innovation in the digital era."



## COURSE OVERVIEW

### Module 1: AWS Cloud Computing, AWS Architecture

- AWS Architecture and Terminology
- AWS Global Infrastructure and its benefits
- Compute and Networking Services
- Storage and Content Delivery Services
- Database Services
- Deployment & Management Services
- Designing Highly Available, Cost-efficient, Fault-tolerant
- How to design Cloud Services Planning and Designing
- Monitoring and Logging
- Knowledge Check
- Hybrid IT architectures

### Module 2: Identity Access Management

- Creation of user accounts in AWS
- Setting up multi-factor authentication (MFA)
- Roles & Groups in IAM
- AWS Access key & Secret Key
- Permissions for user
- Creation of custom policies
- Account settings

### Module 3: S3 Storage service

- Creating and deleting buckets
- Adding objects to buckets
- Accessing & Deleting objects
- Uses of S3 storage
- Permissions/bucket policies of S3



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- The relation between Cloud front, S3 & glacier.
- Website Hosting with S3
- Hands-on Assignment, Real Scenarios

### **Module 4: Amazon VPC, Elastic Compute Cloud (Ec2)**

- Different types of networks that can be set up in AWS
- Public subnets & private subnets
- Creating a new VPC
- ACL & Security Groups
- Creation of Internet Gateway
- Connecting to instances
- Different types of instance
- A pricing model in EC2 instances
- Regions and Availability Zones
- Amazon Machine Images (AMI)
- EC2 Windows instance & Linux Instance
- Security Groups
- Load balancing
- Types of load balancer
- Autoscaling
- Hands-on Assignment, Real Scenarios

### **Module 5: Databases, Application Services, DynamoDB, Redshif**

- Amazon Relational Database Service (RDS)
- Create RDS Instance
- RDS Backups, Multi-AZ & Read Replicas
- Amazon DynamoDB & Redshift
- Amazon ElastiCache & Aurora
- Introduction to DynamoDB
- Creating a DynamoDB Table
- DynamoDB Indexes
- Scan Vs Query API
- DynamoDB Summary
- AWS Database Migration Services (DMS)
- AWS Simple Email Service (SES)



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- AWS Simple Notification Service (SNS)
- AWS Simple Queue Service (SQS)
- Amazon Elastic Transcoder
- Amazon Workspaces
- Application Services Best Practices and Costs management
- Hands-on Assignment, Real Scenarios

#### **Module 6 : Configuration Management, Automation, AWS Route 53**

- AWS CloudFormation
- AWS Elastic Beanstalk
- Routing internet traffic to the resources
- Automatically checking the health of resources
- Register a domain using Route 53
- Automatically discovers AWS resources using a simple setup
- Introduction to the Domain Name Registration service AWS Route 53
- Different AWS Route53 routing policies
- Hands-on Assignment, Real Scenarios

#### **Module 7: Networking, Monitoring, Security Groups**

- VPC
- CIDR Notations
- Subnets – Public & Privates
- Subnet routing – Route Table
- Network Access Control List v/s Security Groups
- NAT – Network Address Translation
- VPC peering
- Monitoring with Cloud watch
- AWS CloudTrail
- Trusted Advisor
- Hands-on Assignment, Real Scenarios



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### Module 8 : CICD Services

- AWS CodePipeline
- AWS CodeCommit
- AWS CodeDeploy
- AWS CodeBuild
- Building sample CICD pipeline to deploy an application

## TRAINING HIGHLIGHTS

- Recording Access shared to students on Learnomate App
- Professional Resume building by Industrial working mentors
- Placement assistance/Job requirement notification support/HR contacts
- Training Certificate: Receive a recognized certificate upon course completion
- LinkedIn, [Naukri.com](https://www.naukri.com) Profile: Enhance your online presence with professionally curated profiles.
- Flexible Learning Options: Choose between offline and online training to suit your schedule.
- Interview Preparation, Mock Interviews: Nail your interviews with our tailored preparation and mock interview sessions
- Real-time Scenarios Explained: Learn through practical examples to master real-world applications.
- **?** Doubt Sessions: Clarify your doubts through dedicated doubt-clearing sessions.



## CONTACT DETAILS

If you required any further information, please fill free to contact us.

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