

AWS Cloud & Solutions Architecture – Practical & Interview Ready

Target Audience

- Students & fresh graduates
- Working professionals (IT / Non-IT)
- Career switchers
- Entry-level cloud engineers

Duration

- 4–6 weeks
- 35–40 hours
- Live + hands-on labs
- Project-base

AWS Course Content

Cloud Fundamentals & AWS Basics

What is cloud computing?
Traditional IT vs Cloud
Cloud Service Models
Types of Cloud

AWS Global Infrastructure

Regions
Availability Zones
Edge locations
High availability & fault tolerance

Compute Services

EC2 Overview
EC2 Pricing Models
Load Balancing
Auto Scaling Groups
Introduction to Lambda

Databases

Database Types
RDS
DynamoDB
Other Databases

Identity, Security & Shared Responsibility

AWS Shared Responsibility Model
IAM Basics
IAM Best Practices
Encryption Basics

Networking

VPC
Subnets
Routing
Security Controls
VPC Endpoints

Route 53 – DNS & Traffic Management

What is DNS?
DNS Components
What is Amazon Route 53?
Route 53 Key Features
DNS Record Types
Alias Records

Storage Services

S3
S3 Storage Classes
Block vs File Storage
Backup & Lifecycle

Serverless, Monitoring & Logging

Amazon SQS
Amazon SNS
Amazon EventBridge
Amazon CloudWatch
Amazon CloudTrail
AWS Config

Real-World Architecture Case Studies

Highly available web application
Secure private backend
Cost-optimized startup architecture

Interview & Career Readiness

Resume building (AWS focused)
How to explain projects
Common AWS interview questions

Final Course Outcome

- Understand AWS fundamentals
- Design secure & scalable architectures
- Deploy real workloads on AWS
- Explain AWS concepts confidently in interviews
- Attempt Cloud Practitioner & Solutions Architect certifications
- Apply for Cloud Engineer / AWS Associate roles

Why This Course Is Strong

- Not exam-only
- Not tool-only
- Real architecture thinking
- Interview-ready
- Future-proof (easy transition to Azure & GCP)