

FULL CURRICULUM • 2026

AWS Cloud Practitioner

Your first real step into a cloud career.

Every module, every lesson — the complete syllabus, end to end.

31

MODULES

353

LESSONS

3

MONTHS

₹15,000

FULL PROGRAMME

What this course covers

1 Level 1 • Beginner

Creating an AWS Account • Origin of Cloud Computing • Traditional IT Approach vs Cloud Computing

1 month • 9 modules • 53 lessons • ₹3,500

2 Level 2 • Intermediate

Introduction to AWS • IAM • EC2

1 month • 10 modules • 151 lessons • ₹5,000

3 Level 3 • Advanced

Containerization & Serverless Services • DNS Route 53 • Global Services

1 month • 12 modules • 149 lessons • ₹6,500

The whole journey

This is the complete syllabus for AWS Cloud Practitioner — 31 modules and 353 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

Creating an AWS Account · Origin of Cloud Computing · Traditional IT Approach vs Cloud Computing

1 month · 9 modules · 53 lessons · ₹3,500

- **1. Creating an AWS Account** 1 lessons
 - Creating AWS Account
- **2. Origin of Cloud Computing** 4 lessons
 - Origin of Cloud
 - Virtualization
 - Benefits of Virtualization
 - Uses and Future aspects of cloud computing
- **3. Traditional IT Approach vs Cloud Computing** 5 lessons
 - Traditional IT approach overview
 - Problems with traditional IT approach
 - Cloud Computing Key Features
 - Benefits of cloud
 - Tabular Comparison
- **4. Cloud Service Models** 6 lessons
 - Cloud Service Models Overview
 - Infrastructure as a service
 - PaaS
 - SaaS
 - Tabular Comparison
 - Other Services
- **5. Cloud deployment models** 5 lessons
 - Cloud deployment models Overview
 - Cloud Deployment Models
 - Private & Public Cloud
 - Hybrid Cloud
 - Community Cloud

6. Cloud computing challenges

9 lessons

- Cloud computing challenges Overview
- Challenge 1 Security
- Challenge 2 Vendo Lock-in
- Challenge 3 Monitoring
- Challenge 4 Compliance
- Challenge 5 Cost Management
- Challenge 6 Migration
- Challenge 7 Automation
- Challenge 8 Performance & Latency

7. Networking in cloud computing

9 lessons

- Networking in cloud computing Overview
- Networking fundamentals part 1
- Networking Fundamentals part 2
- Networking Devices
- Network Protocols Part 1
- Network Protocols Part 2
- Network design and architecture
- Types of network architecture and best practices
- Network Security

8. Security Best Practices

6 lessons

- Security Best Practices Overview
- Encryption - Made with Clipchamp
- IAM
- Backup & High Availability - Made with Clipchamp
- Network Security
- Account Management & Security Services

9. Cloud Providers

8 lessons

- Cloud Providers Overview
- AWS
- Microsoft Azure
- GCP
- IBM Cloud
- Oracle cloud infrastructure
- Ali Baba Cloud
- Digital Ocean

2

LEVEL 2

Intermediate

Introduction to AWS · IAM · EC2

1 month · 10 modules · 151 lessons · ₹5,000

10. Introduction to AWS

6 lessons

- Introduction to AWS Overview
- AWS
- AWS Cloud History & Future
- AWS Cloud Facts
- AWS Regions
- AWS Shared Responsibility Model

○ 11. IAM

14 lessons

- IAM Overview
- IAM quiz
- Users & Group
- Hands ON IAM Roles
- IAM Security Tools
- Shared Responsibility Model for IAM
- HandsOn IAM Users & Groups
- IAM Permissions
- IAM Policies
- IAM policy structure and password policy
- MFA
- Access to AWS
- Hands ON MFA & Access Keys
- IAM Roles

○ 12. EC2

21 lessons

- EC2 Overview
- Copy of Public IP vs Private IP vs Elastic IP
- EC2 quiz
- EC2
- Placement Groups
- Hands On Placement Groups
- ENIs
- EC2 Hibernate
- Hands On EC2 Hibernate
- EC2 Purchasing Options
- EC2 Shared Responsibility Model
- Hands On EC2 Purchasing Options
- AWS CLI
- Hands On Launching first EC2 instance - Made with Clipchamp
- EC2 instance type
- Hands On instance types
- Security Groups
- Hands On Security Groups
- Security Group Properties
- Classic Ports
- Public IP vs Private IP vs Elastic IP

○ 13. EC2 instance storage

16 lessons

- EC2 instance storage Overview
- EC2 Instance Store Quiz
- EBS volumes
- EBS encryption
- EFS
- EFS Hands On
- EFS vs EBS
- Shared Responsibility Model
- EBS Hands On
- EBS Snapshots
- Hands On Multi-EBS volumes
- Hands On EBS Snapshots
- AMI
- Instance store
- EBS Volume Types
- EBS multi-attach

14. Scalability & Load Balancing

19 lessons

- Scalability & Load Balancing Overview
- Scalability
- Cross Zone Load Balancing
- Hands On ALB
- Hands On NLB
- Sticky Sessions
- Connection Draining
- Auto Scaling Group
- NOTE
- Best Practices
- Shared Responsibility Model
- High Availability
- Elasticity vs Scalability vs Agility
- Load Balancing
- Application Load Balancer
- Network Load Balancer
- Gateway Load Balancer
- Classic Load Balancer
- Load Balancing types Dedicated Comparison

15. S3

21 lessons

- S3 Overview
- S3 Buckets & Objects
- S3 Storage Classes
- Hands on S3 storage classes
- S3 Lifecycle Rules
- Hands on S3 lifecycle rules
- S3 Performance Enhancers & Analytics
- S3 Batch Operations
- S3 Requester Pays
- Hands on requester pays
- S3 Best Practices
- S3 Shared Responsibility Model
- Hands on creating bucket and uploading objects
- S3 Bucket Policies
- Hands On S3 bucket policies
- Static Website Hosting
- Hand On hosting a static website
- S3 versioning and Replication
- Hands On S3 Versioning
- Hands On S3 replication
- S3 quiz

16. S3 Security

14 lessons

- S3 Security overview
- S3 Encryption & types
- Hands on S3 Object Lock
- S3 Access Points
- S3 Security Best Practices and Shared Responsibility Model
- Hands on S3 encryption
- S3 CORS
- S3 MFA delete
- Hands on MFA Delete
- S3 Access logs warning
- S3 Pre-Signed URLs
- Hands on S3 Pre-Signed URLs
- S3 Object lock
- S3 Security Quiz

○ 17. AWS Snow Family

9 lessons

- AWS Snow Family Overview
- Edge Computing
- Snowball Edge
- Snowball Cone
- Snowmobile
- Snow family pricing comparison
- Hands on Snow Family
- Snow Family best practices and shared responsibility model
- Snowfamily Quiz

○ 18. Databases and Analytics

25 lessons

- Databases and Analytics Overview
- Database & Analytics Quiz
- Relational Database
- Athena
- Hands on Query S3 data through AWS Athena
- Quick Sight
- AWS Neptune
- Hands On Neptune
- QLDB
- Amazon Managed Block Chain
- Hands on QLDB & Managed block chain
- AWS Glue
- Timestream
- RDS
- Hands On Timestream Database
- AWS DMS
- Hands on DMS
- Shared Responsibility Model
- hands on RDS
- Amazon Aurora
- Hands On Aurora
- Dynamo DB
- Dynamo DB hands On
- AWS EMR
- Red Shift

○ 19. Databases & Caching

6 lessons

- Databases & Caching Overview
- RDS Proxy
- Hands on Connecting to RDS MySQL
- Aurora Advanced Features
- Elasti Cache
- Elasti Cache - Made with Clipchamp

Advanced

Containerization & Serverless Services · DNS Route 53 · Global Services

1 month · 12 modules · 149 lessons · ₹6,500

- **20. Containerization & Serverless Services** 19 lessons
 - Containerization & Serverless Services Overview
 - Containerization Quiz
 - Docker
 - s3 trigger lambda function
 - EKS
 - Hands On EKS
 - Light Sail
 - Hands On Light Sail
 - API Gateway
 - Hands On api gateway
 - Best Practices
 - ECS
 - Hands On ECS
 - Fargate
 - Hands on ECS with ec2 & fargate
 - ECR
 - Serverless
 - Lambda
 - Hands On lambda function
- **21. DNS Route 53** 9 lessons
 - DNS Route 53 Overview
 - DNS
 - Route53
 - Records Types
 - TTL
 - Routing Policies
 - Hands On Route 53
 - Best Practices & Shared Responsibility Model
 - Route 53 Quiz
- **22. Global Services** 10 lessons
 - Global Services Overview
 - Global Services Quiz
 - Cloud Front
 - Global Accelerator
 - Cloud Front vs Global Accelerator
 - Hands On CloudFront
 - Hands On Global Accelerator
 - Local Zones
 - S3 CORS
 - AWS wavelenght
- **23. Infrastructure creation & Management services** 10 lessons
 - Infrastructure creation & Management services Overview
 - AWS Code Artifact
 - Best Practices
 - Cloud Formation
 - Dedicated pipeline/DevOps services
 - Devops
 - Elastic Beanstalk
 - Hands On Cloud Formation
 - Hands On Elastic Beanstalk
 - Infrastructure Creation Quiz

○	24. Storage Advanced	10 lessons
	• Storage Advanced Overview • FSx • Hands On FSx • AWS File Gateway • Hands On Storage Gateway • Transfer Family • Data Sync • App2Container • Best Practices • Storage Advanced Quiz	
○	25. Monitoring	11 lessons
	• Monitoring Overview • Cloud Watch • Hands On Cloud Watch • Cloud Trail • Hands On Cloud Trail • Event Bridge • AWS X-ray • AWS Health Dashboard • Hands On AWS Health Dashboard • Best Practices • Monitoring Quiz	
○	26. Decoupling	10 lessons
	• Decoupling Overview • Decoupling Quiz • Decoupling • SQS • SNS • Hands On SNS • AWS Kinesis • Kinesis Types • MQ • Best Practices	
○	27. Networking in AWS	15 lessons
	• Networking in AWS Overview • VPC • Hands On VPC Peering • Transit Gateway • VPC End-Points • Shared Responsibility Model • Hands On VPC • VPC & Subnets • Hands On subnets • VPC Flow Logs • Hands On Flow Logs • Internet Gateway • Hands On Internet Gateway • VPC Peering • Networking Quiz	

○ 28. AI&ML services

15 lessons

- AI&ML services Overview
- AWS Recognition
- Forecast
- AWS Kendra
- AWS Textract
- Services in short
- Transcribe
- Hands On Transcribe
- AWS Polly
- Hands On AWS Polly
- AWS Translate
- Hands On Translate
- AWS lex & Connect
- AWS Comprehend
- AWS Sagemaker

○ 29. Security Services

20 lessons

- Security Services Overview
- DDoS
- Artifact
- Guard Duty
- Amazon Inspector
- AWS Config
- AWS Macie
- AWS Detective
- AWS abuse
- Root User Privileges
- Shared Responsibility Model
- Hands On AWS Shield
- Hands On WAF
- Network Firewall
- KMS & Cloud HSM
- Hands On KMS
- ACM
- Secrets Manager
- Hands On Secrets Manager
- Security Services Quiz

○ 30. Management and Billing console

12 lessons

- Management and Billing console Overview
- Billing and Management Console Quiz
- AWS Organizations
- AWS Trusted Advisor
- SCPs
- Consolidated Billing
- AWS Control Tower
- AWS Resource Access Manager
- AWS Cost Explorer
- AWS Budgets
- AWS Cost Anomaly Detection
- Hands On of full AWS Billing & Cost Management console

○ 31. Cloud Practitioner Question Bank

8 lessons

- Practice Set 1
- Practice Set 2
- Practice Set 3
- Practice Set 4
- Practice Set 5
- Practice Set 6
- Practice Set 7
- Practice Set 8

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.