

AWS

(AMAZON WEB SERVICES)

Introduction of AWS

1. Introduction of Cloud.
2. Types of Cloud
3. AWS Cloud Architecture.
4. IAAS/PAAS/SAAS

Identity & Access Management

1. IAM Essentials
2. IAM Policies
3. IAM Users
4. IAM Groups
5. IAM Roles
6. Multi-Factor Authentication.

AWS Interfaces

1. Interactive with AWS
2. Console Tour and Navigation: Setting and Account Management

Compute Service

1. Elastic Compute Cloud (EC2)
2. EC2 Essentials
3. EC2 AMIs and Virtualization
4. EC2 instance types
5. Public, Private and Elastic IP Addresses
6. EC2 Bootstrapping, User Data and Metadata
7. Security Groups
8. Key Pairs and Connecting to an EC2 via SSH
9. EBS snapshots
10. EC2 Placement Groups
11. Elastic File System (EFS)
12. Practical: Provisioning EC2 instance; EC2 Backup Solutions with AMIs and Snapshots
13. Practical: Accessing instances User Data and Meta Data

Our Courses

Java Full Stack, Dotnet Full Stack, Python Full Stack, Data Science (AI & ML), Front End – Angular, Front End – React, Testing, Tools – QA, Digital Marketing, Tally, MS Office, C & DS, Java, Advanced Java, Azure Devops, UI Technologies

AWS Management Tools

1. Introduction of Cloud Watch.
2. Introduction of Cloud Trail.
3. Simple Notification Service.
4. Practical: Configuring Cloud Watch Alarms, Cloud Trail Event log and SNS Topic.

AWS Networking

1. Introduction of Virtual Private Cloud (VPC).
2. Configuring VPC.
3. Subnets
4. Route Tables
5. Internet Gateways
6. Nat Gateways
7. Network ACLs
8. VPC peering.
9. Practical: Configuring the VPC from scratch.
10. Practical: Creating Public and Private Network.

AWS High Availability

1. Introduction to Elastic Load Balancer.
2. Types of Load Balancers.
3. Target Groups.
4. Auto Scaling.
5. Practical: Configuring Application Load Balancer with Auto Scaling.

Storage Services

1. Simple Storage Service
2. S3 Essentials
3. S3 Essentials
4. S3 Permissions
5. S3 Storage Classes
6. Object Versioning
7. S3 Lifecycle Policies
8. S3 Events
9. Website Hosting with S3
10. Cross-Origin Resource Sharing
11. Practical: Using S3 for Static Web Hosting
12. Practical: Configuring Backup with S3

Content Delivery and Networking

1. Introduction of Route53
2. Route53 Essentials
3. Introduction of CloudFront

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4. Practical: Configuring Route53 and Hosted Zones
5. Practical: Configuring a CloudFront Distribution

AWS Interfaces (The AWS CLI)

1. Interacting with AWS.
2. Install & Configure the AWS CLI

Database Services

1. Introduction of RDS.
2. RDS Essentials
3. Practical: Create and Configure RDS Database

DynamoDB

1. Introduction of DynamoDB Essentials

ElasticCache

1. Introduction of ElasticCache

Deployment Services

1. Introduction of Cloud Formation
2. Cloud Formation Essential
3. Practical: Creating an S3 bucket with Cloud Formation.

Elastic Beanstalk

1. Introduction of Elastic Beanstalk.
2. Elastic Beanstalk Essentials.
3. Deploying a Simple Web Application with Elastic Beanstalk.

Duration: 45 Days

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