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AMAZON WEB SERVICES:

Amazon Web Services (AWS) course provides in-depth training on cloud computing, covering key services like EC2, S3, Lambda, and IAM. It equips learners with practical skills in deployment, management, and security, preparing them for AWS certification and real-world applications

You will start by learning the way to deploy an EC2 Linux instance, including the way to create a key pair and a basic instance, allow network access, add a replacement disk, and move files. From there, Steve will teach you ways to use Windows in EC2. This video tutorial also covers topics like monitoring and reporting, security, using Amazon Linux, and creating AMIs. Finally, you'll find out how to figure with RDS and EC2, also as create applications on EC2 instances.

Amazon Web Services (AWS) Course Content:

Module 1 -Introduction to Cloud Computing

- Overview of Cloud Computing
- Types of Cloud Services: IaaS, PaaS, SaaS
- Benefits and Use Cases of Cloud
- Understanding AWS Regions and Availability Zones



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Module 2 - Introduction to AWS

- What is AWS?
- AWS Management Console & CLI Overview
- AWS Free Tier and Account Setup
- IAM (Identity and Access Management): Users, Groups, Roles, Policies
- Security Best Practices

Module 3 - Compute Services

- Amazon EC2 (Elastic Compute Cloud)
- EC2 Instance Types and Pricing
- Elastic Load Balancer (ELB)
- Auto Scaling Groups
- AWS Lambda and Serverless Computing

Module 4 - Storage Services

- Amazon S3 (Simple Storage Service)



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- Versioning, Lifecycle Policies, and S3 Security
- Amazon EBS (Elastic Block Store)
- Amazon EFS (Elastic File System)

Module 5 - Database Services

- Amazon RDS (Relational Database Service)
- Amazon DynamoDB (NoSQL Database)
- Amazon Redshift (Data Warehousing)
- Aurora and Database Migration Service (DMS)

Module 6 - AWS Security

Objectives – At the end of this Module, you should be able to:

- Identity Access Management – IAM
- Amazon Directory Service
- Amazon Inspector

Module 7 - AWS Networking

Objectives – At the end of this Module, you should be able to:

- Amazon Virtual Private Cloud – VPC



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- Direct Connect
- Virtual Private Networks

Module 8 - Advanced Networking

Objectives – At the end of this Module, you should be able to:

- Working with Elastic Load Balancer (ELB)
- Auto Scaling in AWS

Module 9 - Managing Amazon DNS Route 53

Module 10 - Content Delivery using Cloud Front

Module 11 - Managing Databases in AWS

Objectives – At the end of this Module, you should be able to:

- RDS
- Dynamo DB
- Redshift
- Elastic ache
- AWS Database Best Practices
- AWS Databases Costs



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Module 12 - Database Migrations using Amazon DMS:

- Heterogeneous Migrations
- homogeneous Migrations

Module 13 -AWS Management and Monitoring Tools

Objectives – At the end of this Module, you should be able to:

- Cloud Watch
- Cloud Trail
- Trusted Advisor

Module 14 - AWS Application services

Objectives – At the end of this Module, you should be able to:

- Simple Queue Service (SQS)
- Simple Notification Service (SNS)

Module 15 - Disaster Recovery Scenarios

Module 16 - Server Migration Strategies



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Module 17 - Troubleshooting AWS Services

Module 18 - Best Security practices for cloud deployments

Module 19: Using AWS Command Line Interface (CLI)

Module 20: How to integrate AWS Lambda functions with other AWS Services

Module 21: Case Studies

Bonus Module – UNIX Basics and Administration

Objectives – At the end of this Module, you should be able to:

- Introduction to Linux and UNIX
- Installation of Linux
- Linux System Structure
- Software Package Administration
- User and Group Administration
- Advanced File Permissions
- Disk Partitioning and Mounting File System



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Our learning methods include:

- Comprehensive course selection of Instructor-Led Training
- Logistical convenience and interactive classroom experience of Online Training
- Flexible pacing and instructor-guided support of Mentored Learning
- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills
- Effective resume building
- Process of applying jobs at the right places

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