



ELEVO LABS

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Course Overview

Course Details

Course Name: AWS Fundamentals: Getting Started with Cloud Services

Instructor: Arun Kumar

Created On: 16 June, 2025

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Price: 2500 INR

Duration: 1.5 Weeks

Modules: 8

Language: English, Hindi

Level: Beginner

Certifications: No

Course Description

This course is your perfect starting point for Amazon Web Services (AWS), the world's leading cloud platform. Designed for absolute beginners, it focuses on providing you with a solid foundation in cloud computing concepts and a practical understanding of AWS's most essential services.

You will begin by learning what cloud computing is and how AWS fits into the picture. We'll guide you through setting up your AWS account, navigating the Management Console, and understanding the AWS Global Infrastructure. You'll then dive hands-on into the core services:

- Identity and Access Management (IAM): To manage users and permissions securely.
- Amazon S3 (Simple Storage Service): For scalable object storage and static website hosting.
- Amazon EC2 (Elastic Compute Cloud): To launch and manage virtual servers in the cloud.
- Amazon VPC (Virtual Private Cloud): To build your own isolated network within AWS.
- Amazon RDS (Relational Database Service): To easily set up and manage managed databases.

By the end of this course, you will have a clear understanding of the fundamental building blocks of AWS, gained practical experience with its core services, and be well-prepared to explore more advanced topics or pursue specific cloud career paths.

What You'll Learn:

- Understanding basic cloud computing concepts (IaaS, PaaS, SaaS).
- The AWS Global Infrastructure (Regions, Availability Zones).
- Navigating the AWS Management Console and setting up an AWS account.
- Creating and managing IAM Users, Groups, Roles, and Policies.
- Storing and managing data with Amazon S3 buckets and objects.
- Launching, configuring, and connecting to Amazon EC2 virtual servers.
- Understanding basic networking concepts with Amazon VPC (VPCs, Subnets, Internet Gateways, Security Groups).
- Setting up and connecting to a managed relational database with Amazon RDS.
- Basic monitoring with Amazon CloudWatch.
- Utilizing the AWS Free Tier for hands-on practice.

Who Is This Course For?

This course is designed for absolute beginners to cloud computing and AWS. It's ideal for anyone looking to understand the basics of cloud, students, IT professionals transitioning to cloud roles, or developers who need a foundational understanding of AWS before learning specific services in depth.

Prerequisites:

- **Basic Computer Literacy:** Familiarity with using a computer, file systems, and the internet.
- **A Computer/Laptop:** You'll need a working computer (Windows, macOS, or Linux) with an internet connection.

- **A Willingness to Learn:** Enthusiasm for starting your cloud computing journey.

Includes hands-on labs for each major service, practical exercises, and a certificate of completion. Available in English and Hindi.

Course Curriculum Details

Module 1: Module 1: Introduction to Cloud Computing & AWS Basics

7 Lessons

1. 1. What is Cloud Computing? (IaaS, PaaS, SaaS Overview) 15min
2. 2. Benefits and Challenges of Cloud Computing 15min
3. 3. Introduction to Amazon Web Services (AWS) and its Core Services 20min
4. 4. The AWS Global Infrastructure (Regions & Availability Zones) 20min
5. 5. Navigating the AWS Management Console 15min
6. 6. Setting Up Your AWS Account and Understanding Free Tier 20min
7. 7. Recap & Practical Task: Explore the AWS Console and Free Tier Services 30min

Module 2: Module 2: Identity & Access Management (IAM)

6 Lessons

1. 8. Understanding IAM: The Foundation of AWS Security 25min
2. 9. IAM Users and Groups: Creating and Managing Access 30min
3. 10. IAM Policies: Defining Permissions (JSON Structure Basics) 30min

4. 11. IAM Roles: Granting Temporary Permissions to Services **25min**

5. 12. IAM Best Practices (MFA, Least Privilege) **20min**

6. 13. Recap & Practical Task: Create an IAM User and Restrict S3 Bucket Access
40min

Module 3: Module 3: Amazon S3 (Simple Storage Service)

6 Lessons

1. 14. Introduction to S3: Buckets, Objects, and Key Concepts **20min**

2. 15. Creating and Managing S3 Buckets **25min**

3. 16. Uploading, Downloading, and Deleting Objects **20min**

4. 17. S3 Storage Classes (Standard, IA, One Zone-IA, Glacier - Overview) **25min**

5. 18. Hosting a Static Website on S3 **25min**

6. 19. Recap & Practical Task: Host Your First Static Website on S3 **45min**

Module 4: Module 4: Amazon EC2 (Elastic Compute Cloud)

8 Lessons

1. 20. Introduction to EC2: Virtual Servers in the Cloud **20min**

2. 21. Launching Your First EC2 Instance (Linux/Windows) **35min**

3. 22. Understanding Instance Types and Amazon Machine Images (AMIs) **25min**

4. 23. Security Groups: Basic Firewall for EC2 Instances **30min**

5. 24. Key Pairs for Secure SSH Access **20min**

6. 25. Elastic Block Store (EBS) Volumes: Attachable Storage for EC2 **25min**

7. 26. Connecting to Your EC2 Instance (SSH/RDP) **20min**

8. 27. Recap & Practical Task: Launch a Basic Web Server on EC2 **1hr**

Module 5: Module 5: Networking Basics with Amazon VPC

5 Lessons

1. 28. Introduction to VPC (Virtual Private Cloud): Your Own Network in AWS **25min**

2. 29. VPC Components: Subnets (Public/Private) and Route Tables **30min**

3. 30. Internet Gateways (IGW) for Public Internet Access **20min**

4. 31. Creating a Basic VPC and Launching EC2 within it **35min**

5. 32. Recap & Practical Task: Create a Custom VPC with a Public Subnet **1hr**

Module 6: Module 6: Managed Database Services (RDS)

6 Lessons

1. 33. Introduction to Amazon RDS (Relational Database Service) **20min**

2. 34. Choosing a Database Engine (MySQL, PostgreSQL, etc.) **20min**

3. 35. Launching Your First RDS Instance **30min**

4. 36. Connecting to Your RDS Database from EC2 **25min**

5. 37. Basic Database Backup and Restore in RDS **20min**

6. 38. Recap & Practical Task: Deploy an RDS MySQL Database and Connect from EC2
1hr

Module 7: Module 7: Monitoring & Basic Serverless (CloudWatch & Lambda)

5 Lessons

1. 39. Introduction to Amazon CloudWatch: Monitoring Your Resources **25min**
2. 40. CloudWatch Metrics and Alarms **25min**
3. 41. Introduction to AWS Lambda: Your First Serverless Function **30min**
4. 42. Triggering a Lambda Function (Manual/API Gateway Overview) **20min**
5. 43. Recap & Practical Task: Set Up a CloudWatch Alarm for EC2 CPU Usage and Create a Simple Lambda Function **1hr**

Module 8: Module 8: AWS CLI, Support & Next Steps

6 Lessons

1. 44. Introduction to AWS Command Line Interface (CLI) **25min**
2. 45. Basic CLI Commands for EC2 and S3 **20min**
3. 46. AWS Support Plans Overview **15min**
4. 47. Exploring AWS Well-Architected Framework (Conceptual) **20min**
5. 48. Course Summary and Next Steps in Your Cloud Journey **20min**
6. 49. Recap & Final Project: Deploy a Basic Web App Architecture (Review) **1hr**

This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.