

AWS For Absolute Beginners: Learn AWS From Ground Up

Modality: Self-Paced Learning

Duration: 3 Hours

SUBSCRIPTION: Learn, Master, Master Plus, Lite

Cloud computing seemed like a futuristic concept a few decades ago, but since its introduction has taken the tech world by storm. The easy accessibility of data and large storage options has resulted in the Cloud becoming one of the most popular forms of data storage. In addition to data storing, cloud computing has also become a standard for creating manageable and scalable web application services.

Amazon entered the web application services in 2006 and has become a major player with its current AWS (Amazon Web Services). A lot of companies have now shifted their servers on the cloud and are also opting for building applications on “borrowed” servers to save a lot of money.

This has sparked many companies to start hiring AWS specialists, especially ones that hold the AWS certification from Amazon. Do you have the skills but not the certification? Are you just a few zeros short of the salary of your dreams? Well, then here’s your savior!

Our AWS Solutions Architect – Associate Training and Certification Course has been created to help cloud architects master and pass their certification exams.

This comprehensive course has been created to cover in detail everything that will a part of the Associates exam. It will provide a detailed description on concepts such as EC2 Instances, S3 Bucket, etc. and will also include going over Amazon’s Databases such as RDS, DynamoDB, ElastiCache, Redshift and DMS.

Course Objectives:

- Designing and deploying scalable, highly available, and fault tolerant systems on AWS
- Lift and shift of an existing on-premises application to AWS
- Selecting the appropriate AWS service based on data, compute, database, or security requirements
- Identifying appropriate use of AWS architectural best practices
- Estimating AWS costs and identifying cost control mechanisms

This course will extensively cover topics such as:

- Amazon’s EC2 Instance
- Amazon’s S3 Bucket
- Amazon’s Databases
 - RDS
 - DynamoDB
 - ElastiCache
 - Redshift

- DMS
- Networking, Amazon's VPC and Route 53 Service.
- Identity and Access Management
- And within the EC2 Dashboard, we will also be learning about:
 - AMI Images
 - Security Groups
 - Auto Scaling Groups

So what's stopping you from your Cloud 9? Let's turn this certification dream into a reality!

Prerequisite:

- Students should have basic knowledge of web hosting and cloud computing

Course Outline:

SECTION 1 : Introduction

- Intro Preview

SECTION 2 : Introduction to the course

- Introduction Overview Preview
- Getting Started Essentials
- Creating your AWS account and preparing it for an amazon ec2 free tier instan

SECTION 3 : Creating your first amazon EC2 instance

- Logging into the AWS Console and getting used to the interface Preview
- Create your first EC2 instance in the cloud using the AWS Console Preview
- Connecting to your EC2 Instance using SSH or PUTTY

SECTION 4 : Route 53 ? Host your domain on your EC2 Instance or S3 Bucket

- Route 53 Overview and pricing information
- Using Route 53 to host your domain on an EC2 Instance Preview
- Using Route 53 to host your domain on an S3 Bucket
- Creating a Wildcard DNS

SECTION 5 : AWS Identity and Access Management (IAM)

- IAM Features
- Accessing IAM
- Active Directory Integration (ADI)
- IAM Summary

SECTION 6 : Using S3 Buckets as cloud storage

- Creating a S3 Bucket
- Accessing a S3 Bucket
- S3 Bucket Configuration Options

SECTION 7 : Using AMI Instances (Amazon Machine Image)

- Creating an AMI from your existing EC2 Instance
- Deploying an EC2 instance from your previously created AMI

SECTION 8 : Creating an Auto Scaling Group

- Using an AMI to setup an auto scaling group
- Auto Scaling group summary

SECTION 9 : Controlling an EC2 Instance using Security Groups

- Security Groups Overview
- Using Security Groups to forward ports on your EC2 instance (HTTP, HTTPS, FTP)

SECTION 10 : Databases on AWS

- Databases Introduction
- Launching your first RDS Instance
- Amazon Redshift Data Warehousing
- AWS DynamoDB NoSQL Databases
- Amazon ElastiCache - deploy, operate, and scale an in-memory cache in the cloud
- Databases Summary

SECTION 11 : Summary

- Summary