

## **AWS Solutions Architect Certification - Associate Level (CT001AC)**

**Modality:** Virtual Classroom

**Duration:** 4 Days

**SUBSCRIPTION:** Master, Master Plus

### **About the course:**

Reasons for Getting an AWS Certification

There are numerous benefits of obtaining an AWS Certification. What might they be? Let's find out!

- The AWS Certification serves as a validation of your skills and capabilities, and is a badge that may even be used to land yourself on the lists of preferred candidates for a job. Additionally, it makes a huge impact when mentioned on business cards and other marketing collateral.
- Through this certification, you will gain the knowledge, skill, and expertise in designing as well as implementing various projects on the AWS platform.
- It gets you recognition as well as visibility for your skills
- It gains you credibility with peers as well as employers.
- AWS offers training and information regarding cloud computing services which allow businesses to develop scalable and sophisticated applications. Hence, knowledge about these services and understanding how these can be used on the cloud is critical for those professionals as well as businesses who already do or will be required to work on the cloud.

### **Course Objective:**

Once the certification is complete, candidates will be able to gain in-depth knowledge of the AWS design patterns along with the infrastructure related to developing apps on the AWS. In addition, they also learn skills which enable them to clear the AWS certification exam.

### **Audience:**

This course is intended to be undertaken by those IT professionals who will to learn the process of developing scalable, highly available, cost effective, and fault tolerant systems on the AWS platform. In addition, those IT professionals who want to clear the AWS certification exam, also opt for it.

### **Pre-requisites:**

Prior to enrolling in this course, candidates should have the following;

- Prior experience in the IT industry or a degree in the field of information technology
- Prior experience with Linux System administration. It is recommended but not mandatory.
- Basic understanding of databases.

## **Course Outline:**

### **Day 1**

- Fundamentals of Amazon Web Services (AWS)
- Amazon S3
  - Hands-on: S3 Lab; Creating Buckets, objects, and managing access control
- Amazon EC2
  - Hands-on: Hosting an Application on EC2

### **Day 2**

- Amazon Relational Database Services (RDS)
  - Hands-on: Deploying and scaling and application using RDS
- Amazon Elastic Load Balancer (ELB)
  - Hands-on: Scaling the Application using Amazon ELB
- Amazon CloudWatch
- Auto-Scaling
  - Use Case Study and Lab: Deploying an auto-scaling app on the cloud using auto-scaling, EC2, RDS, ELB

### **Day 3**

- Amazon VPC
  - Hands-on: Hosting secure applications using public and private subnets
- Identity & Access Management (IAM)
  - Hands-on: Generating groups, users, access policies and control
- CloudFront
  - Hands-on: Setup CloudFront CDN for an Application
- Route 53
  - Hands-on: Moving an existing domain name to Route53 and configuring multi-location Routing

### **Day 4**

- Cloud Formation
  - Hands-on: Generating and Deploying Cloud Formation Templates
- Dynamo DB
- AWS Frequently Used Design Patterns

## **Discussion about AWS Solutions Architect Associate Exam**

