



## AWS Solution Architect Training

INNOVATIVE ACADEMY's Best AWS Training in Bangalore is designed so Innovative to help you clear the AWS Certified Solutions Architect (CSA) - Associate Certification. You will gain excellent knowledge on AWS Cloud Computing and its services like Lambda, EC2, S3, Redshift, VPC, IAM, EBS, Glacier, SES, SNS, Cloud front, Snowball, Cloud watch, Dynamo DB.

## Why Solution Architect Training and certification?

- The AWS Certified Solutions Architect – Associate exam is intended for individuals with experience designing distributed applications and systems on the AWS platform.
- CSA certification is rated the most valued IT Certification as per Global Knowledge Study.
- AWS is expected to reach 236B\$ by 2020 at 22% of CAGR as per Forrester.
- Average salary is \$120k for AWS Architect as per the major job portal.

## About our Training:

**AWS Solution Architect Training from us is designed to provide expertise about AWS principles and its services. The classes are conducted by the Industrial experts for both classroom and online training sessions. The training is completely based on AWS Certified Solutions Architect Exam.**

## Why choose Innovative Academy for your AWS training?

- Experienced technical trainers
- Real Time and Hands on Experience Training
- On Time Course Completion & Superb satisfaction scores
- Comprehensive curriculum, Innovative & interactive Training
- High Pass Rate

**Innovative Academy**

## Who can take this Training?

**This AWS Training is constructed for IT pro's who needs to pursue the career in Cloud Industry and become AWS certified solution architect.**

## This training is suitable for:

- Candidates who want Experience in deploying and migrating AWS
- Candidates from IT infrastructure background
- Candidates from development and testing background
- Candidates from virtualization environment
- Fresher's from IT infrastructure knowledge

## Course Curriculum and Duration:

**We provide both Class-room Training and Offline Training.**

**Duration: 40Hrs.**

**Week days (Mon- Fri 2Hrs per day)**

**Weekend batches (Sat-Sun 4Hrs per day)**

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## **Lesson1. Introduction to AWS**

- Introduction to AWS
- **Global Infrastructure**
- **AWS Cloud Computing Platform**
- Regions and Availability Zones - How to choose the right one
- AWS Marketplace

## **Lesson2. Amazon EC2 and EBS**

- Instance Types
- Amazon Machine Images (AMI)
- Finding the right AMI
- Launching an instance - How to choose the right instance type
- Security via Key Pairs
- Working with the Security Group
- Assigning Elastic IPs
- Logging into the instance
- Choosing the right AMI
- Creating your own AMI
- Deciding what goes into an AMI
- AWS Cmds on EC2
- Volume Types
- Creating and deleting volumes
- Attaching and detaching volumes
- Mounting and Unmounting the attached volume
- Creating snapshots
- Copying data between Regions
- Restoring Snapshots

## **Lesson 3: Simple Storage Service (S3)**

- S3 types
- Creating and deleting buckets
- Adding objects to buckets
- Getting objects
- Deleting objects
- Bucket Permissions / Versioning
- Lifecycle policy
- Bucket policy
- Creating static web hosting using s3
- Glacier
- Using third-party tools like S3browser,cloudberry

#### **Lesson 4: Virtual Private Cloud (VPC)**

- VPC Wizard Scenarios for Amazon VPC
- Your VPC and Subnets
- Your Default VPC and Subnets
- Security in Your VPC
- Networking in Your VPC
- Public and Private subnets
- NAT gateway
- VPC Peering
- AWS cmdlet for vpc

#### **Lesson 5: Cloud Watch**

- Monitoring the AWS Service Health Dashboard
- Using Cloud watch for Monitoring
- Setting up your metrics
- Setting up notifications
- Creating Alarms/ Events

#### **Lesson 6: Route 53 /DNS**

- Registering Domain Names
- Configuring Amazon Route 53 as Your DNS Service
- Working with Public/Private Hosted Zones
- Working with Resource Record Sets
- Using Traffic Flow to Route DNS Traffic
- Health Checks and DNS Failover

#### **Lesson 7: Elastic Load Balancer (ELB) and Auto scaling**

- Creating the ELB
- Health Checks
- Load Balancing with EC2
- Get Set Up With Auto Scaling Interfaces
- Get Started with Auto Scaling Using the Console
- Create an Auto ScalingGroup Associate With an ELB
- Maintain a Fixed Number of Running EC2 Instances
- Dynamic Scaling
- Scheduled Scaling

#### **Lesson 8: Identity and Access Management (IAM)**

- IAM Console and Sign in
- Identities ( User,Group,Roles)
- Security Credentials
- Permissions and policies
- Working with IAM Roles

### **Lesson 9: Relational Database Service (RDS)**

- Selecting the Engine
- Configuring the Database Engine
- Creating your Database
- Setting up automatic backups
- Authorizing access to the DB via DB Security Groups

### **Lesson 10: Amazon Cloud Front**

- How Cloud Front Delivers Content
- Locations and IP Address Ranges of Cloud Front Edge Servers
- Working with Distributions
- Working with Objects

### **Lesson 11: AWS Security Management**

- Cloud Trail
- Trust advisor

### **Lesson 12: Message Services**

- Setting up Amazon SES
- Verifying Email Addresses and Domains
- Authorizing Amazon SES Sending From Your Domain
- Requesting Production Access
- SNS Topics and messages Overview
- Create a new SNS Topic
- Implementing S3 service to process SNS messages

### **Lesson13: Migration tools**

- AWS Server Migration Service
- Migrating VM on VMware to AWS EC2

### **Lesson14: Server less Architecture**

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- Running a program on lambda
- Installing and using SDK Tools

### **A Project on AWS**

- Guiding to do a small project using AWS services

