

AWS Solutions Architect Associate

ABOUT COURSE

Amazon Web Services - (AWS) Certification is becoming the most demanded certificate for any IT professional on Cloud Computing. This course is designed to help you pass the AWS Certified Solutions Architect (CSA) - Associate Exam. Even if you are a complete novice on cloud before, by the end of our training you will be able to take the exam. No specific programming expertise is needed (though knowing any programming language would be advantageous). With AWS certification you will be in high demand by many enterprises and will demand a higher remuneration.

AWS are constantly evolving their platform and our post engagement learning helps you getting in touch with any changes.

In this course we will start with a broad overview of the AWS platform and then deep dive into the individual elements of the AWS platform. You will explore Route53, EC2, S3, Cloud Front, Autoscaling, Load Balancing, RDS, RedShift, DynamoDB, EMR, VPC etc.

Rulepaper Academy excels in providing an Enterprise Level of training with a zero theory learning approach provided by enterprise cloud and SME veterans. Thousands of students have taken their journey with us and excelled high in their dream careers, either in job or pursuing a new career. We believe in giving the learner a learning experience which becomes the foundation stone for the success of both trainee and Rulepaper.

REQUIREMENT

You will need to set up an AWS Account (you can use the free tier for this course)

A Windows, Linux or Mac PC/Laptop

YOU WILL GET

Prepare the AWS Certified Solutions Architect - Associate Exam

Design Scale and resilient applications on AWS

Become Intimately Familiar With The AWS Platform

Become Rulepaper Certified

TARGET AUDIENCE

No prior AWS experience necessary

Existing Solutions Architects, Administrators and Engineers

Programmers Interested in Deploying Applications on AWS

COURSE OUTLINE

➤ INTRODUCTION TO THE COURSE

- Introduction & Overview
- What You'll Need Getting Started

➤ AWS OVERVIEW

- The History So Far
- Overview - Part 1
- Overview - Part 2
- Overview - Part 3
- Overview - Part 4

➤ IDENTITY ACCESS MANAGEMENT (IAM)

- IAM 101
- Create A Billing Alarm

➤ AWS OBJECT STORAGE AND CDN - S3, GLACIER AND CLOUDFRONT

- S3 101

- Create an S3 Bucket
- S3 Version Control
- S3 Life Cycle Management & Glacier
- CloudFront CDN Overview
- Create a CloudFront CDN
- S3 Security and Encryption
- Storage Gateway
- Import Export
- S3 Transfer Acceleration
- S3 Quiz

➤ EC2 - THE BACKBONE OF AWS

- EC2 101
- Launch an EC2 instance
- How to use Putty
- Security Groups Basics
- Volumes and Snapshots
- Creating a Windows EC2 Instance and RAID Group
- Create an AMI
- AMI's - EBS Root Device Volumes vs Instance Store
- Load Balancers and Health Checks
- Cloud Watch EC2
- The AWS Command Line and EC2
- Using IAM Roles with EC2

- Using Bootstrap Scripts
- EC2 Instance Metadata
- Autoscaling Groups
- EC2 Placement Groups
- Elastic File System
- Lambda - Concepts

➤ ROUTE53

- DNS 101
- Route 53
- Routing Policies
- Route 53 Summary

➤ DATABASES ON AWS

- Databases 101
- Create our first RDS Instance
- RDS - Back Ups, Multi-AZ & Read Replicas
- DynamoDB
- RedShift
- Elasticache
- Aurora

➤ VPC

- Introduction and Overview
- Build Your Own Custom VPC
- Build A Custom VPC - Part 2
- Network Address Translation (NAT)
- Access Control Lists (ACLs)
- Custom VPC's and ELBs
- NAT's vs Bastions
- VPC Flow Logs
- VPC Clean Up

➤ APPLICATION SERVICES

- SQS
- SWF
- SNS
- Elastic Transcoder

➤ THE REAL WORLD - CREATING A FAULT TOLERANT WORD PRESS SITE

- Getting Setup
- Setting Up EC2
- Automation & Setting Up Our AMI
- AutoScaling & Load Testing
- CloudFormation!

➤ PREPARING FOR THE EXAM

- Preparing strategies
- AWS Risk and Compliance
- Storage Options in the Cloud
- Architecting for the AWS Cloud: Best Practices

➤ WELL ARCHITECTED FRAMEWORK

- Intro
- Security
- Reliability
- Performance Efficiency
- Cost Optimization

➤ INFO ESSENTIAL

- Exam Tips Based On Student Feedback
- Consolidated Billing
- Resource Groups & Tagging
- VPC Peering
- DNS 101
- Direct Connect
- Active Directory Integration
- Workspaces

DURATION- 32 Hours.