Introduction to AWS Certified Solution Architect - Associate

Modality: On Demand

Duration: 4 Hours

This course prepares you for the SAA-C01 Exam leading to SAA-C01 Certification. This course does not include the *Official Exam Voucher**, however, you can request to purchase the Official Exam Voucher separately.*

About this Course:

There are various advantages of cloud computing. Flexibility and cost-efficiency are one of them. There is no doubt in the fact that many companies are now turning to cloud infrastructures. They help to store data and aid in development. With your entire company on the cloud, you need a solution architect who knows his job well. Therefore, a lot of companies are now investing in having an experienced AWS certified architect. At the present time, Amazon with its Amazon Web Services is in the vanguard of cloud technology. It has offered a complete certification course for developers to approve their knowledge and experience with the AWS system.

If you want to enhance your paycheck or want a higher rank in your company, then you must get your hands on the AWS Solution Architect Associate certification. AWS certified solutions architect is ranked top among the moneymaking certifications in the entire IT world. On average, AWS certified solution architect makes $150,000 per year. As of today, there are more than 25,000 AWS Solutions Architects in the industry. AWS offers Associate and Professional certifications both. By this indispensable certification, you can take your skills and integrity to further success. This course invests about 80 hours of study but other commitments usually take around two months. For complete beginners 120 hours are recommended, that gives them a chance to start with the basics and then moving on to further complex stages.

The full length course is available in Learn subscription , for just USD 39.99.
https://www.quickstart.com/become-the-aws-certified-solution-architect-associate.html

During the introduction you will learn about:

Designing Resilient Architectures

- Determine how to identify and choose the best storage service
- Ascertain to choose and plan decoupling procedures using AWS services
- Learn to design a multi-tier architecture solution
- Discover to design most accessible architectures using AWS services

Defining Performant Architectures

- Learn to identify and pick performant storage and databases
- Know how to choose and apply to the cache for the betterment of performance
- Use AWS services together to design solutions for flexibility and scalability

Securing Applications and Architectures

- Learn the safety of application tiers
- Discover the security of data at rest and in transition
- Know how to map and protect a virtual private network and the accessibility to resources and services within it

Designing Cost-Optimized Architectures

- Determine how to choose and design a cost-optimized storage
- Know how to select and design a cost-optimized compute

Defining Operationally-Excellent Architectures

- Learn the application of the knowledge of AWS services for a description of solution design and continuously optimizing it for operational efficiency

Course Information

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Course Objectives:

- Lift and shift of an existing application to AWS
- Ingress and egress data to and from AWS
- Choosing the right AWS service based on data, compute, database, or security requirements
- Point out the use of AWS architectural best practices
- Approximating AWS costs and then recognizing cost control mechanisms

Prerequisite:

- Basic knowledge of Linux is required to complete the course

Course Outline:

SECTION 1 : Introduction

- Intro Preview

SECTION 2 : Introduction to AWS

- Introduction to Cloud computing Part 1 Preview
- Introduction to Cloud computing Part 2
- Introduction to AWS
- AWS - CSA Certification Details

SECTION 3 : Security and Identity Management Compliance

- Introduction to EC2 Preview
- Started with AWS Signup
- Understanding IAM
- Create IAM Users and Policies Part 1
- Create IAM Users and Policies Part 2
- Creating IAM Groups and Assigning Policies to Group
- Creating IAM Customer Policies
- Creating IAM Roles
- Creating Roles for Different Accounts
- Understanding Key Managment Services(KMS)
- Create and Assign KMS Key

SECTION 4 : Introduction and Configuration of Amazon EC2

- Create an Ec2 Instance Part 1
- Create an Ec2 Instance Part 2
- Connecting EC2 Instance using Putty
- Create Windows Instance
- Connect Windows Instance using RDP
- Security Groups
- EBS and Volumes
- Creating Attach and Access Volumes on Windows Instance
- Create Attach and Mount Volumes on Linux Instance
- Create and Restore Snapshot
- Create and Deploy AMI Images
- Understanding Instance Lifecycle
- Monitoring EC2 Instances Part 1
- Monitoring EC2 Instances Part 2
- Enable and Configure Status Check and Cloud Watch Services Part 1
- Enable and Configure Status Check and Cloud Watch Services Part 2
- Create and Manage Autoscaling Groups
- Introductio to Elastic Load balancer
- Configure ELB and Health Check Part 1
- Configure ELB and Health Check Part 2
- Using IAM Role with Ec2 Instances