AWS Certified Solutions Architect Associate (SAP-C02)

Introduction

The AWS Certified Solutions Architect - Associate (SAA-C02) examination is intended for individuals who perform in a solutions architect role. This exam validates an examinee's ability to effectively demonstrate knowledge of how to architect and deploy secure and robust applications on AWS technologies.

It validates an examinee's ability to:

- Define a solution using architectural design principles based on customer requirements.
- Provide implementation guidance based on best practices to an organization throughout the lifecycle of a project.

Course Objective

This course teaches you how to:

- Take architectural decisions based on core concepts and principles of AWS
- Leverage AWS services to make infrastructure more scalable and reliable
- Enhance services to make it more resilient and flexible
- Develop more efficient solutions in order to increase performance and cut costs
- Workaround a well-architectured framework

Course Outline

Domain 1: Design Resilient Architectures

1.1 Design a multi-tier architecture solution
1.2 Design highly available and/or fault-tolerant architectures
1.3 Design decoupling mechanisms using AWS services
1.4 Choose appropriate resilient storage

Domain 2: Design High-Performing Architectures

2.1 Identify elastic and scalable compute solutions for a workload
2.2 Select high-performing and scalable storage solutions for a workload
2.3 Select high-performing networking solutions for a workload
2.4 Choose high-performing database solutions for a workload

Domain 3: Design Secure Applications and Architectures

3.1 Design secure access to AWS resources
3.2 Design secure application tiers
3.3 Select appropriate data security options

Domain 4: Design Cost-Optimized Architectures

4.1 Identify cost-effective storage solutions
4.2 Identify cost-effective compute and database services
4.3 Design cost-optimized network architectures

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Courses taken: AWS Technical Essentials
- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

Target Audience

This course is intended for:

- Solutions architects
- Solution design engineers

Duration

- 24 Hours Training Course