



NICF - AWS Solutions Architect - Associate (SF)

Course Description

This course helps you to prepare for the AWS Certified Solutions Architect - Associate Exam (Exam code: SAA-C02).

Course Objective

The NICF- AWS Certified Solutions Architect - Associate is intended for individuals who perform a solutions architect role and have one or more years of hands-on experience designing available, cost-efficient, fault-tolerant, and scalable distributed systems on AWS.

This course will prepare participants for the [AWS Certified Solutions Architect - Associate Exam](#) (Exam code: SAA-C02).

Prerequisite

AWS Cloud Practitioner Course or at least 1 year of working experience in AWS Cloud in any role, including technical, managerial, sales, purchasing, or finance. A basic understanding of IT services and their uses in the AWS Cloud platform.

Who should attend this course

Cloud Engineer, Cloud Solutions architects, developers or individuals who seek a deeper knowledge and understanding on the architect solution based on AWS cloud services offerings.

Certificate Of Attendance

Certificate Of Attendance will be awarded to participants completing the course achieving minimum 75% attendance.

Course Fee

Course Fee : S\$950
Regn Fee : S\$30

All Fees subject to GST 7%.

Training Duration

Course Duration : 3 Weekdays / 3 Sats
Time : 9.00am – 6.00pm

[Course is eligible for SDF training grant \(Singapore Citizens & Singapore PRs\).](#)

[Self-sponsored trainees may offset course fee using their SkillsFuture Credit Claim or/ & PSEA.](#)

DETAILED COURSE OUTLINE

Domain 1: Design for High Availability Network

- Designing the Network
- Designing the High Availability - 1
- Load Balancing and Fault Tolerant
- High Availability Across Regions
- Connections Outside of AWS
- Designing the High Availability with Scaling - 2
- Scaling Best Practice
- Automatic Scaling
- Scaling Data Stores
- AWS Lambda and Event-Driven Scaling

Domain 2: Automating, Decoupling and Design for Web-Scale Media

- Automating your Infrastructure – Infrastructure as a Code
- Loose Coupling and Loose Coupling Strategies
- Communicating with Loose Coupling and Amazon DynamoDB
- Amazon API Gateway
- Serverless Architecture
- Decoupling Examples

Domain 3: Well-Architected Framework

- Well-Architected Framework Pillar 1 – Operational Excellence
- Well-Architected Framework Pillar 2 – Security
- Well-Architected Framework Pillar 3– Reliability
- Well-Architected Framework Pillar 4 – Performance Efficiency
- Well-Architected Framework Pillar 5 – Cost Optimization

Domain 4: Troubleshooting and Design Pattern

- Details Troubleshooting
- Discover various AWS Support Options Available
- High Availability Design Patterns



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