



Solutions Architect Associate Training

Course Description

Our AWS Solutions Architect – Associate course is intended for every aspiring individual who want to learn and perform an AWS Solutions Architect role. This course will effectively teach you how to architect and deploy secure and robust applications on AWS technologies.

This AWS solutions architect certification course will help you identify the appropriate Amazon Web Services including databases, network, storage, cost optimization, compute, and security requirements.

By the end of the course, you'll be able to:

- Design systems that are secure, reliable, high-performing, and cost-efficient
- Migration or designing new applications for the AWS Cloud.
- Architectural options applied in a variety of use cases.
- Design high availability, fault tolerance, and scalability.
- Leverage the capabilities of AWS to support automation.
- Create, manage, provision, and update related resources using AWS.
- Cloud Formation and much more.

This course prepares you for certification exam AWS Certified Solutions Architect Associate - SAA C03. Students will also get Hands-on Labs plus over 250+ Practice questions for the exam.



Course Information

Course Modules

- Cloud & AWS Fundamentals
- IAM and Account Security in AWS
- Networking in AWS
- Compute & Related Features
- Storage Service
- Database Services
- Architecting on AWS using AWS Cloud
- Monitoring and Scaling
- Automation and Infrastructure as Code
- Container Service
- Serverless Services in AWS
- Edge Services in AWS
- Implementing Backup and Recovery in AWS

With the Course Students Get:

- Comprehensive Course Materials
- Recorded Video of Each Class
- Reading Materials
- Lab Exercises
- Research Papers
- Interview Questions
- Resume Preparation
- Placement Assistance
- On the Job Support Assistance
- AWS Certification Materials

Course Contents

<https://numosaic.com.au/training/aws-solutions-architect-associate-training/>

Module 1: Cloud & AWS Fundamentals

Lessons

- Cloud Fundamentals
- Benefits of Cloud
- AWS services
- AWS infrastructure
- AWS Well-Architected Framework
- Hands-on lab: Explore and interact with the AWS Management Console and AWS Command Line Interface

Module 2: IAM and Account Security in AWS

Lessons

- IAM Fundamentals
- Security policies
- Managing multiple accounts
- Managing multiple accounts

Module 3: Networking in AWS

Lessons

- IP addressing
- Route 53, VPN, and AWS Direct Connect
- VPC fundamentals
- VPC traffic security
- VPC endpoints
- VPS peering
- Hybrid networking
- AWS Transit Gateway

Module 4: Compute & Related Features

Lessons

- Compute services
- Different Compute Options
- EC2 instances
- Storage for EC2 instances



Program Curriculum

AWS Solutions Architect Associate

- Amazon EC2 pricing options
- High Availability, Auto Scaling and Load Balancing
- Hands-On Lab: Build your Amazon VPC infrastructure.

Module 5: Storage Service

Lessons

- Storage services
- Amazon S3, EBS, S3 Glacier, Snowball, EFS and Storage Gateway
- Shared file systems
- Data migration tools

Module 6: Database Services

Lessons

- Database services
- Amazon RDS
- Amazon DynamoDB & redshift
- Database migration tools
- Hands-on Lab: Create a database layer in your Amazon VPC infrastructure

Module 7: Monitoring and Scaling

Lessons

- Monitoring
- Alarms and events
- Load balancing
- Auto scaling
- Hands-on Lab: Configure high availability in Amazon VPC

Module 8: Automation and Infrastructure as Code

Lessons

- AWS CloudFormation
- Infrastructure management

Module 9: Container Service

Lessons

- Microservices
- Containers
- Container Services

Module 10: Serverless Services in AWS

Lessons

- What is serverless?
- Amazon API Gateway
- Amazon SQS
- Amazon SNS
- Amazon Kinesis
- AWS Step Functions
- Hands-on Lab: Build a serverless architecture.

Module 11: Edge Services in AWS

Lessons

- Edge fundamentals
- Amazon Route 53
- Amazon CloudFront
- DDoS protection
- AWS Outposts
- Hands-on Lab: Configure an Amazon CloudFront distribution with an Amazon S3 origin.

Module 12: Implementing Backup and Recovery in AWS

Lessons

- Disaster planning
- AWS Backup
- Recovery strategies
- Hands-on Lab: Capstone lab – Build an AWS Multi-Tier architecture. Participants review the concepts and services learned in class and build a solution based on a scenario. The lab environment provides partial solutions to promote analysis and reflection. Participants deploy a highly available architecture.

Module 13: Architecting on AWS using AWS Cloud

Lessons

- Best practices, AWS Knowledge Center and Whitepaper
- Billing, Cost Management & Pricing
- AWS Global Infrastructure
- AWS Shared responsibility model



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Program Curriculum

AWS Solutions Architect Associate

- AWS Security best practices
- DR
- Distributed design pattern
- Failover
- Immutable infrastructure
- Hybrid and Multi Cloud
- DevOps

Module 14: Guidance towards AWS Certification Exam

Lessons

- Q&A
- Tips for certification exam AWS Certified Solutions Architect Associate - SAA C03



Target Audience

IT and cybersecurity professionals 20%

Students 50%

Professionals transitioning or upskilling 40%

Business decision-makers and managers 10%



Other Course We Provide

- ✓ Dev(Sec)Ops Engineering (Live)
- ✓ Microsoft Azure Administration (Live)
- ✓ AWS Solutions Architect (Live)
- ✓ SQL Programming (Upcoming)
- ✓ SQL Server Performance Tuning (Upcoming)
- ✓ Microsoft Azure Data Engineering (Upcoming)
- ✓ SQL Server Database Administration (Upcoming)
- ✓ SQL Server Business Intelligence (Upcoming)
- ✓ Microsoft Azure AI Engineer (Upcoming)

Our Students Feedback

Please check the below link to see our student's feedback. These feedbacks are an excellent motivator for our trainers to improve in course delivery and engage more in students' training needs and career goals.

<https://numosaic.com.au/student-feedback>



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Our Statistics



20+ Years of
Experience



100+ Projects
Done



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