# AWS Systems Architect Certification 2020

**Modality: On Demand**

**Duration: 14 Hours**

## About this Course:

AWS Certified Solutions Architect is among the most valuable and highly sought after cloud computing certifications in the world today We designed this cloud architect certification training for anyone seeking to learn the major components of Amazon Web Services (AWS). By the end of the course, you'll be prepared to pass the associate-level AWS Certified Solutions Architect certification exam. The AWS certification is a must-have for any IT professional, with average salaries above $100,000 USD. A certificate in AWS Cloud technology can boost your salary up to 26 percent, and the average salary for certified IT professionals is, on average, 11.7 per cent higher than those without.

## Course Objectives:

In this course, you will learn to:

- Navigate the logistics of the examination process
- Understand the exam structure and question types
- Identify how questions relate to AWS architectural concepts
- Interpret the concepts being tested by an exam question
- Allocate your time studying for the AWS Certified Solutions Architect – Associate exam

## Audience:

This course is intended for:

- Solutions architects who are preparing to take the AWS Certified Solutions Architect – Associate exam

## Course Outline:

### Course Introduction

- Course Introduction

### Section 1: AWS Exam Overview

- AWS Exam Overview

### Section 2: Domain 1: Design Resilent Architectures

- Design Resilent Architectures
- Understanding VPCs
- Designing Your Deployments
- Demo: Cloudformation
- Whiteboard: Designing Multiregion Applications in AWS
- Section Summary

**Section 3: Domain 2: Design High Performing Architectures**

- Design High Performing Architectures
- Storage Options
- Data Services Options
- RDS Performance
- DynamoDB Performance
- Aurora Performance
- Load Balancers and Autoscaling
- Connectivity Options
- AWS Systems Manager
- Demo DevOps Services
- Demo Personal Health Dashboard
- Demo AWS Service Catalog
- Demo Cloudformation Change Sets, Marketplace
- Section Summary

**Section 4: Domain 3: Design Secure Applications and Architectures**

- Design secure access to AWS resources

- Security Overview
- Securing AWS Best Practices
- CloudWatch Monitoring
- Whiteboard: VPC Flow Logs
- Demo: Security Hub
- Whiteboard: Bastion Hosts
- NACLS or Security Groups
- Service Catalogs
- Resources Groups and Tags
- Maintenance Issues
- High Availability
- Demo: S3 Permissions
- Demo: IAM
- Demo: Encryption
- Whiteboard Data In Transit
- Demo: S3 Object Versioning and Lifecycle Management
- AWS Config, Inspector, and AWS Guardduty
- Cloud formation
- Section Summary

**Section 5: Domain 4: Design Cost Optimized Architectures**

- Identify Cost-Effective Storage Solutions
- Identify Cost-Effective Compute and Database Services
- Right Sizing
- Demo: LightSail

- Demo: S3 Lifecycles
- Billing and Cost Management
- Section Summary

**Exam Preparation and Closeout**

- AWS Certifications
- Compensation and Outlook
- Closeout