

## Detailed Course Curriculum Advanced Architecting on AWS

**Duration:** 4 Days

**Price:**

Advanced Architecting on AWS \$2,550 SGD + GST

Exam Readiness Workshop: AWS Certified Solutions Architect – Professional \$930 SGD + GST

AWS Certified Solutions Architect Professional Exam Voucher \$420 SGD + GST

**Total - \$3,900SGD + GST**

**Delivery Method:** AWS Instructor-Led

**Intended Audience:**

This course is intended for:

- Experienced IT professionals who are already familiar with AWS services and are an AWS Certified Solutions Architect – Associate level

**Course Description**

**Days 1–3 – Advanced Architecting on AWS** *Advanced Architecting on AWS* is intended for individuals who are experienced with designing scalable and elastic applications on the AWS platform. Building on concepts introduced in *Architecting on AWS*, this course covers how to build complex solutions that incorporate data services, governance, and security on AWS. This course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS.

**Course Objectives:** This course is designed to teach you how to:

- Apply the AWS Well-Architected Framework.
- Manage multiple AWS accounts for your organization.
- Connect on-premises data centres to the AWS Cloud.
- Understand billing implications of connecting multi-region VPCs.
- Move large data from on-premises data centres to the AWS Cloud.
- Design large datastores for the AWS Cloud.

- Understand different architectural designs for scaling a large website.
- Protect your infrastructure from DDoS attacks.
- Secure your data on AWS with encryption.
- Design protection of data at rest as well as data in flight.
- Enhance the performance of your solutions.
- Select the most appropriate AWS deployment mechanism.

## **Days 4 – Exam Readiness Workshop: AWS Certified Solutions Architect – Professional**

Designed to complement [Advanced Architecting on AWS](#), this full-day workshop is intended for individuals preparing for the [AWS Certified Solutions Architect – Professional](#) exam. The workshop provides an overview of the concepts and knowledge areas covered on the exam and walks you through the exam structure and question formats. Labs provide hands-on practice with advanced use cases, while practice exam questions test your understanding of key architectural concepts.

Course Objectives: This course is designed to teach you how to:

- Understand the content domains and how AWS services map to them
- Combine multiple AWS services to solve complex architectural requirements
- Understand advanced concepts of core AWS services and associated use cases
- Identify how questions are written to test AWS architectural concepts

## **Course Outline:**

### **Day 1 – Advanced Architecting on AWS (1 of 3 days)**

- Review of Architecting for the Cloud Best Practices and the AWS Well-Architected Framework
- AWS Account Strategies
- Advanced Networking Architectures
- Deployment Management on AWS

### **Day 2 – Advanced Architecting on AWS (2 of 3 days)**

- Designing Large Datastores
- Moving Large Datastores into AWS
- Big Data Architectures
- Designing for Large Scale Applications

### **Day 3 – Advanced Architecting on AWS (3 of 3 days)**

- Building Resilience into Your Architecture
- Data Encryption and Key Management in AWS
- Securing Data on AWS
- Designing for Performance

**Day 4 – Exam Readiness Workshop: AWS Certified Solutions Architect – Professional (6 hours)**

- Introduction to content domains and exam structure
- Detailed discussion of content domains
- Hands-on labs to reinforce specific use cases
- Example questions and scenarios for group discussion
- Practice exam questions