

Module 1 – Worksheet

AWS Certified Solutions Architect – Associate

Module 1: Overview

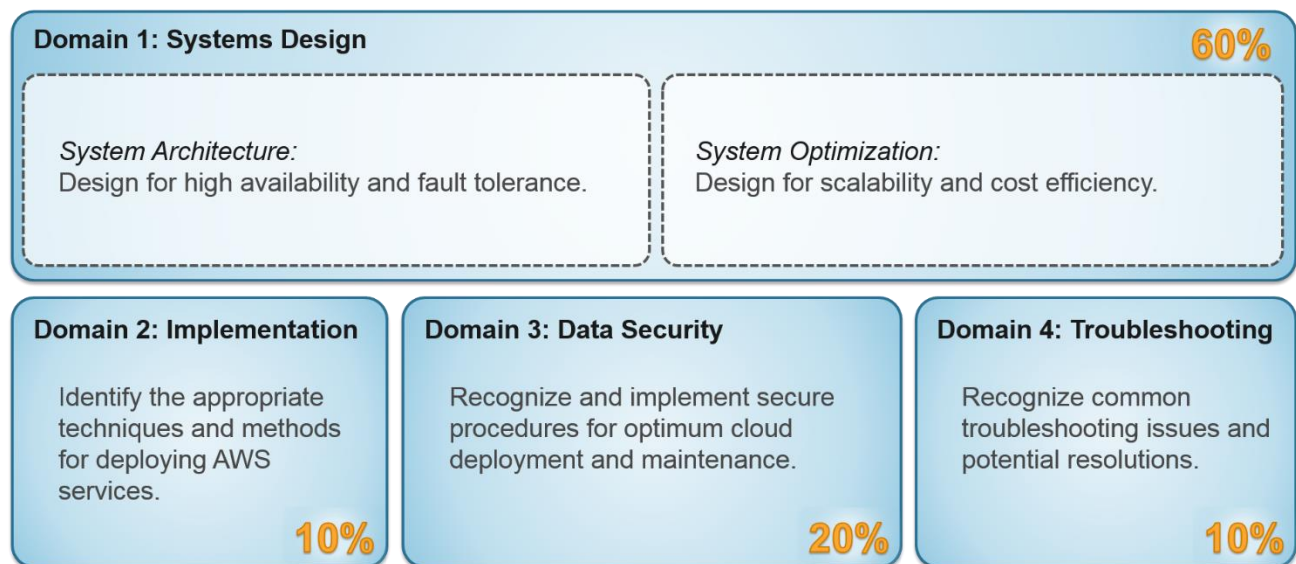
Exam Overview, Logistics, and Mechanics

- Certification Tracks
- Course Goals
- Exam Logistics
- Exam Domains Overview
- Exam Mechanics

A candidate for the Certified Solutions Architect Associate should be able to demonstrate that they can:

- ✓ Identify and gather requirements in order to define a solution to be built using AWS architecture best practices with AWS services.
- ✓ Provide guidance on architectural best practices to developers and system administrators throughout the lifecycle of a project.

Domains covered on the exam:



Resources

AWS Certified Solutions Architect – Associate website:

<http://aws.amazon.com/certification/certified-solutions-architect-associate/>

- ☐ Download Exam Guide
- ☐ Download Sample Questions (Free!)
- ☐ Take a Practice Exam (\$20 USD)

Personal Preparation Plan

Check off the items you've already completed. Mark items to complete before your exam:

Have you completed these items?

The certification exam validates these proficiencies. When you are ready for the certification exam, you should feel comfortable performing the tasks listed here. Take a moment to review this checklist and consider whether you feel comfortable with these tasks in a production environment:

- ☐ Set up AWS accounts using IAM, MFA, and consolidated billing.
- ☐ Estimate AWS costs and identify cost control mechanisms.
- ☐ Lift and shift an existing on-premises application to AWS.
- ☐ Design and deploy a multi-tier web application on AWS.
- ☐ Move an on-premises database to RDS.
- ☐ Ingress and egress of data to and from AWS.
- ☐ Given data requirements, select the appropriate AWS data storage service.
- ☐ Given compute requirements, select the appropriate AWS compute service.
- ☐ Given database requirements, select the appropriate AWS database service.
- ☐ Given security requirements, select the appropriate AWS and non-AWS security mechanisms.
- ☐ Identify the appropriate use of AWS architectural best practices.
- ☐ Design and deploy a highly available system on AWS.
- ☐ Design and deploy a fault-tolerant system on AWS.

Additional qualifications

- ☐ In-depth knowledge of or training in at least one high-level programming language
- ☐ AWS cloud computing whitepapers: (<https://aws.amazon.com/whitepapers/>)
 - Overview of AWS
 - Overview of Security Processes
 - Storage Options in the Cloud
 - Architecting for the AWS Cloud: Best Practices

- ☐ Experience deploying hybrid systems with on-premises and AWS components
- ☐ Use of the AWS Architecture Center website:
(<https://aws.amazon.com/architecture/>)
- ☐ Six months or more of hands-on experience provisioning and managing production systems on AWS
- ☐ AWS courses: (<http://aws.amazon.com/training/course-descriptions/>)
 - AWS Essentials
 - Architecting with AWS
- ☐ Self-Paced Labs: Solutions Architect – Associate quest
(<http://aws.amazon.com/training/self-paced-labs/>)