

Exam Prep: AWS Certified Solution Architect - Associate

AWS Classroom Training

Course description

In this intermediate-level course, you'll learn how to assess your preparedness for the AWS Certified Solutions Architect - Associate exam. The AWS Certified Solutions Architect - Associate certification validates technical expertise in designing and deploying scalable, highly available, and fault-tolerant systems on AWS. You'll explore the exam's topic areas and how they map to architecting on AWS and specific areas of study. You'll also review sample exam questions, learn how to interpret the concepts being tested, and explore practice questions and practical lab exercises.

- Course level: Intermediate
- Duration: 8 hours

Activities

This course includes videos by expert instructors, who deliver presentations and review sample questions, along with additional practice question sets and labs

Course objectives

After completing this course, you should be able to:

- 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.

Intended audience

This course is intended for solutions architects who are preparing to take the AWS Certified Solutions Architect – Associate exam

Prerequisites

We recommend that attendees of this course have:

- At least one year of hands-on experience designing and deploying scalable, highly available, and fault-tolerant systems on the AWS platform
- In-depth knowledge of at least one high-level programming language
- Course taken: Architecting on AWS (or equivalent knowledge)

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Course outline

Module 1: Design Resilient Architectures

- Design a multi-tier architecture solution
- Design highly available and/or fault-tolerant architectures
- Design decoupling mechanisms using AWS services
- Choose appropriate resilient storage

Practice Question set: Cloud Concepts

Module 2: Design High-Performing Architectures

- Identify elastic and scalable compute solutions for a workload
- Select high-performing and scalable storage solutions for a workload
- Select high-performing networking solutions for a workload
- Choose high-performing database solutions for a workload
- Practice Question set: Cloud Concepts

Module 3: Design Secure Applications and Architectures

- Design secure access to AWS resources
- Design secure application tiers
- Select appropriate data security options
- Practice Question set: Cloud Concepts

Module 4: Design Cost-Optimized Architectures

- Identify cost-effective storage solutions
- Identify cost-effective compute and database services
- Design cost-optimized network architectures

Practice Question set: Cloud Concepts

Practical Lab Exercise: #1

- Practical Lab Exercise: #2