

Architecting on AWS (AWS-ARCH)

Course Summary

Description

Architecting on AWS covers the fundamentals of building IT infrastructure. This three-day course is ideal for IT professionals who want to learn how to optimize the use of the AWS cloud by understanding AWS services and how they fit together into cloud-based solutions. To build a secure, high-performing, resilient and efficient infrastructure for your applications and workloads, you need to be well-trained. Offered both online and in class, our Architecting On AWS course is built for solution architects, solution-design engineers, and developers seeking an understanding of AWS architecting. In this course, you will learn to identify services and features to build resilient, secure and highly available IT solutions on the AWS Cloud.

The course teaches how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. This course emphasizes AWS cloud best practices and recommended design patterns to help students think through the process of architecting optimal IT solutions on AWS. Case studies throughout the course showcase how some AWS customers have designed their infrastructures and the strategies and services they implemented. This AWS Architect course will prepare solutions architects to successfully take the official exam and become an AWS Certified Solutions Architect - Associate. This is the first step in becoming an AWS solutions architect.

Architecting on AWS covers the fundamentals of building IT infrastructure on AWS. The course is designed to teach solutions architects how to optimize the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. This course emphasizes AWS cloud best practices and recommended design patterns to help students think through the process of architecting optimal IT solutions on AWS. Case studies throughout the course showcase how some AWS customers have designed their infrastructures and the strategies and services they implemented.

Objectives

After taking this course, students will be able to:

- Make architectural decisions based on AWS architectural principles and best practices
- Leverage AWS services to make your infrastructure scalable, reliable, and highly available
- Leverage AWS Managed Services to enable greater flexibility and resiliency in an infrastructure
- Make an AWS-based infrastructure more efficient to increase performance and reduce costs
- Use the Well-Architected Framework to improve architectures with AWS solution

Topics

- Course and Student Introductions
- Architecting Fundamentals
- Storage
- Database Services
- Networking, part 2
- Build a Serverless Architecture

Audience

This course is intended for Solutions architects and Solution design engineers

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts
- Courses taken: AWS Technical Essentials (or equivalent knowledge)

Duration

Three Days