

# Architecting on AWS

Learn via: **Classroom/AFA**

Duration: **3 Day**

## **Overview**

This course covers the fundamentals of building IT infrastructure on the AWS platform. Students learn how to optimize the AWS Cloud by understanding how AWS services fit into cloud-based solutions. In addition, students explore AWS Cloud best practices and design patterns for architecting optimal IT solutions on AWS, and build a variety of infrastructures in guided, hands-on activities. The course also covers how to create fledgling architectures and build them into robust and adaptive solutions.

Find out if you're ready for the Architecting on AWS course. Take this [knowledge check](#).

## **Target Audience**

This course is intended for:

- Solutions architects
- Solution design engineers

## **Delivery Method**

This course is delivered through a mix of:

- Classroom training
- Hands-on labs

## **Hands-on Activity**

This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises.

## **Prerequisites**

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

- AWS Cloud Practitioner Essentials
- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

## **What You Will Learn**

In this course, you will learn how 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 solutions

## **Training Outline**

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