

# Architecting on AWS

**Course Code: 1395**

**Using AWS, learn to architect scalable, reliable applications for the cloud.**

In this course, you will learn the fundamentals of building IT infrastructure on AWS. Solutions architects will learn 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 you 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.

## What You'll Learn

- Making decisions based on the AWS-recommended architectural principles and best practices
- Leveraging AWS services to make your infrastructure scalable, reliable, and highly available
- Leveraging AWS managed services to enable greater flexibility and resiliency in an infrastructure
- Making an AWS-based infrastructure more efficient in order to increase performance and reduce costs
- Using the Well-Architected Framework to improve architectures with AWS solutions

## Who Needs to Attend

- Individuals who are responsible for designing cloud infrastructure and reference architectures
- Systems engineers and developers who are responsible for designing and implementing architectures on AWS

## Prerequisites

- Attended AWS Essentials or have equivalent experience
- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts
- AWS Technical Essentials

## **Follow-On Courses**

- Advanced Architecting on AWS

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CLASSROOM LIVE

\$2,665 CAD

3 days

## Classroom Live Outline

This is an emerging technology course. Course outline is subject to change as needed.

1. Core AWS Knowledge
2. Designing Your Environment
3. Making Your Environment Highly Available
4. Forklifting an Existing Application onto AWS
5. Event-Driven Scaling
6. Automating and Decoupling Your Infrastructure
7. Designing Storage at Scale
8. Hosting a New Web Application on AWS
9. The Four Pillars of the Well-Architected Framework
10. Disaster Recovery and Failover Strategies
11. Troubleshooting Your Environment
12. Large-Scale Design Patterns and Case Studies

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VIRTUAL CLASSROOM LIVE

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PRIVATE GROUP TRAINING

3 days

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