

AAWS Architecting on AWS

Duration: 3 Days

Course Overview:

Learn all the essential skills to architect your IT solutions on AWS. Gain in-depth knowledge of the AWS platform and how to leverage AWS services for your specific cloud-based application. This 3-day, hands-on training provides current AWS cloud best practices and AWS architecture principles covering the entire process of designing IT infrastructure from beginning to end. Since AWS introduces an average of 200 new features and services annually, it is critical that you study the most recent innovations. To reinforce this material, you will also explore case studies with a variety of AWS infrastructure designs and strategies. After the course, you will be fully equipped to build and scale a more efficient and reliable IT solution on the AWS cloud environment.

Prerequisites:

AWS Technical Essentials or equivalent experience; working knowledge of distributed systems; familiarity with general networking concepts, working knowledge of multi-tier architectures; familiarity with cloud computing concepts.

Who Should Attend:

The primary audience for this course is as follows:

- 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.

Course Outline:

Lesson 1: Core AWS Knowledge

Lesson 2: Designing Your Environment

Lesson 3: Making Your Environment Highly Available

Lesson 4: Forklifting an Existing Application onto AWS

Lesson 5: Event-Driven Scaling

Lesson 6: Automating and Decoupling Your Infrastructure

Lesson 7: Designing Storage at Scale

Lesson 8: Hosting a New Web Application on AWS

Lesson 9: The Four Pillars of the Well-Architected Framework

Lesson 10: Disaster Recovery and Failover Strategies

Lesson 11: Troubleshooting Your Environment

Lesson 12: Large-Scale Design Patterns and Case Studies