

AWS Architect

AWS architect course 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. Because architectural solutions may differ depending on industry, type of applications, and size of business, 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. It also presents case studies throughout the course that showcase how some AWS customers have designed their infrastructures and the strategies and services they implemented. Opportunities to build a variety of infrastructures via a guided, hands-on approach are also provided.

Course Objectives:

- Make architectural decisions based on the AWS-recommended 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 in order to increase performance and reduce costs
- Use the Well-Architected Framework to improve architectures with AWS solutions

Intended Audience:

- Solutions architects
- Solution design engineers

Topics to be covered:

Class 1

- Core AWS Concepts
- Core AWS Knowledge
- Core AWS Services
- Designing your Environment
- Making your Environment HA

Class 2

- Forklifting an Existing Application onto AWS
- Event-Driven Scaling • Automating
- Decoupling
- Build a new environment

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Class 3

- The Well-Architected Framework
- Troubleshooting Your Environment
- Large-Scale Design Patterns and Case Studies