

3 Days

## Architecting on AWS

Architecting on AWS is a training course that mainly clears your fundamental concepts of building an IT infrastructure on AWS. This course is primarily designed to impart the solutions architects on how AWS Cloud is optimized by considering AWS services.

It also covers the aspects of how these services can purely fit in cloud-based solutions. This is required as architectural solutions may vary and that is totally dependent upon the industry, type of applications, and size of business.

This course will also provide you with the opportunities to build numerous and dynamic infrastructures via a guided, hands-on approach.

You should be able to meet the following objectives after the completion of the course:

- Leveraging AWS managed services for enabling greater flexibility and resiliency in an infrastructure.
- Making an AWS-based infrastructure more efficient and effective for increasing the performance and to reduce costs.
- Making architectural decisions based on the AWS-recommended architectural principles and best practices.
- Using the Well-Architected Framework for improving architectures with AWS solutions.

## Course Details

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### Course Outline

- Core AWS Knowledge
- Core AWS Services
- Designing Your Environment
- Making Your Environment Highly Available
- Forklifting an Existing Application onto AWS
- Event-Driven Scaling
- Automating
- Decoupling
- Build a new environment
- The Well-Architected Framework
- Troubleshooting Your Environment
- Large-Scale Design Patterns and Case Studies

## Who Should Attend

This course is intended for:

- Solution Design Engineers
- Solutions Architects

## Pre Requisite

- Courses are taken: AWS Technical Essentials
- Working knowledge of distributed systems
- Familiarity with general networking concepts
- Working knowledge of multi-tier architectures
- Familiarity with cloud computing concepts

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Date - Apr 24, 2024