



ARCAWSPR - Version: 1

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# Architecting on AWS



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 **3 days Course**

## Description:

Architecting on AWS covers the fundamentals of building IT infrastructure on AWS. The course is designed to teach solutions architects how to optimise the use of the AWS Cloud by understanding AWS services and how these services fit into cloud-based solutions. This course emphasises 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.

## Intended audience:

Solutions architects Solution design engineers

## Prerequisites:

## 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

## Topics:

### Day 1

- Core AWS Concepts
- Core AWS Knowledge
- Core AWS Services
- Designing Your Environment
- Making Your Environment Highly Available

### Day 2

- Forklifting an Existing Application onto AWS
- Event-Driven Scaling
- Automating
- Decoupling
- Build a New Environment

### Day 3

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