

Architecting on AWS

Course#:aws-arc

Duration:3 Days

Price:2550.00

Course Description

This course covers the fundamentals of building IT infrastructure on the AWS platform. Students learn how to optimize the AWS Cloud by understanding how AWS services fit into cloud-based solutions. In addition, students explore AWS Cloud best practices and design patterns for architecting optimal IT solutions on AWS, and build a variety of infrastructures in guided, hands-on activities. The course also covers how to create fledgling architectures and build them into robust and adaptive solutions.

Objectives

In this course, you will learn how to:

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

Audience

This course is intended for:

- Solutions architects
- Solution design engineers
- Anyone who needs to understand the scope of cloud architectures

Prerequisites

We recommend that attendees of this course have the following prerequisites:

AWS Cloud Practitioner Essentials

Working knowledge of distributed systems

Familiarity with general networking concepts

Working knowledge of multi-tier architectures

Familiarity with cloud computing concepts

Content

The Well-Architected Framework

Networking with AWS

Core AWS concepts, knowledge, and services, including designing your environment and making your environment highly available

Event-driven scaling

Automation

Decoupling

Serverless designs

How to grow your architecture from small to extremely large