

Developing on AWS

Overview

In this course, you learn how to use the AWS SDK to develop secure and scalable cloud applications. Explore how to interact with AWS using code and also learn about key concepts, best practices, and troubleshooting tips.

Prerequisite Comments

We recommend that attendees of this course have the following prerequisites:
 In-depth knowledge of at least one high-level programming language
 Working knowledge of core AWS services and public cloud implementation

Target Audience

This course is intended for:
 Intermediate-level software developers

Course Objectives

This course is designed to teach you how to:
 Set up the AWS SDK and developer credentials for Java, C#.NET, Python, and JavaScript
 Interact with AWS services and develop solutions by using the AWS SDK
 Use AWS Identity and Access Management (IAM) for service authentication
 Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores
 Integrate applications and data by using AWS Lambda, Amazon API Gateway, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and AWS Step Functions
 Use Web Identity Framework and Amazon Cognito for user authentication
 Use Amazon ElastiCache to improve application scalability
 Use containers in the development process
 Leverage the CI/CD pipeline to deploy applications on AWS

Course Outline

1 - Day 1: Getting Started

Working with the AWS code library, SDKs, and IDE toolkits
 Introduction to AWS security features
 Service object models and baseline concepts for working with Amazon Simple Storage Service (S3) and Amazon DynamoDB

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Schedule

Class Length: 3 Days

G2R = "Guaranteed to Run" OLL = "Online LIVE" ILT = "Instructor-Led-Training"				
12/01/20	10:00AM - 6:00PM	Online LIVE	OLL	\$2,025.00
12/16/20	12:00PM - 8:00PM	Online LIVE	OLL	\$2,025.00
12/21/20	9:00AM - 5:00PM	Online LIVE	OLL	\$2,025.00

2 - Day 2: Working with AWS Services

Service object models and baseline concepts for working with the Amazon Simple Queue Service (SQS) and the Amazon Simple Notification Service (SNS)
Applying AWS security features

3 - Day 3: Application Development and Deployment Best Practices

Application deployment using AWS Elastic Beanstalk
Best practices for working with AWS services
