

AWS - Developing on AWS

Code:	AWS-DEV
Length:	3 days
URL:	View Online

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.

Skills Gained

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

Who Can Benefit

This course is intended for:

- Intermediate-level software developers

Prerequisites

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

Course Details

AWS Certified Developer - Associate Certification

If you are interested in achieving the associate AWS Developer certification, the Developing on AWS class is the best way to help

prepare. Find out more about all AWS certifications at <https://www.exitcertified.com/certification/aws/>

Delivery Method

This course is delivered through a mix of:

- Classroom training
- Demonstrations
- Hands-on labs

Course Outline

This course covers the following concepts:

- Introduction to AWS
 - Introduction to Developing on AWS
 - Introduction to AWS Identity and Access Management
 - Developing Storage Solutions with Amazon S3
 - Developing Flexible NoSQL Solutions with Amazon DynamoDB
 - Developing Solutions with AWS Lambda
 - Developing Solutions with Amazon API Gateway
 - Developing Solutions with Amazon SQS and Amazon SNS
 - Developing Event-Driven Solutions with AWS Step Functions
 - Caching Information for Scalability
 - Getting Started with Containers
 - Developing Secure Solutions
 - Deploying Applications
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