Developing on AWS

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

Developing on AWS helps developers understand how to use the AWS SDK to develop secure and scalable cloud applications. The course provides in-depth knowledge about how to interact with AWS using code and covers key concepts, best practices, and troubleshooting tips.

Skills Gained

- Set up the AWS SDK and developer credentials for Java, C#/.NET, and Python
- 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

Intermediate-level software developers

Prerequisites

- Familiarity with AWS services
- A working knowledge of Java, C#/.Net, or Python

- Courses taken: AWS Technical Essentials

Course Details

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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:

- Instructor-led Training
- Hands-on Labs

Day 1

- Introduction to Developing on AWS
- Introduction to IAM
- Introduction to the Lab Environment
- Developing Storage Solutions with Amazon S3

Day 2

- Developing Flexible NoSQL Solutions with Amazon DynamoDB
- Developing Solutions with AWS Lambda
- Developing Solutions with Amazon API Gateway
- Developing Solutions with Amazon SQS & SNS
- Developing Solutions with AWS Step Functions

Day 3

- Caching Information with Amazon ElastiCache
- Getting Started with Containers
- Developing Secure Solutions
- Developing Applications

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