



Developing on AWS (AWSD)

Amazon

Com certificação

- **Nível:** Intermédio
 - **Duração:** 21h
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Sobre o curso

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.

Objectives

- Set up the AWS SDK and developer credentials for Java, C#/.Net, Python, and JavaScript.
 - Use the AWS SDK to interact with AWS services and develop solutions.
 - Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores.
 - Integrate applications and data by using Amazon Kinesis, AWS Lambda, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and Amazon Simple Workflow Service (Amazon SWF).
 - Use AWS Identity and Access Management (IAM) for service authentication.
 - Use Web Identity Framework and Amazon Cognito for user authentication.
 - Use Amazon ElastiCache and Amazon CloudFront to improve application scalability.
 - Deploy applications by using AWS Elastic Beanstalk and AWS CloudFormation.
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Destinatários

- Intermediate-level software developers
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Pré-requisitos

Attendees should have the following prerequisites:

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

This course is delivered through a mix of Instructor-led Training and Hands-on Labs

Programa

Building the Foundation

- Introduction to Developing on AWS
- Choosing a Data Store
- Developing Storage Solutions with Amazon S3
- Developing Flexible NoSQL Solutions with Amazon DynamoDB

Connecting Applications and Data with Event-Driven Processing

- Working with Events
- Developing Event-Driven Solutions with Amazon Kinesis Stream
- Developing Event-Driven Solutions with Amazon SWF, Amazon SQS, and Amazon SNS
- Developing Event-Driven Solutions with AWS Lambda

Developing and Deploying Secure, Scalable Applications

- Developing Secure Applications
- Caching Information for Scalability
- Monitoring Your Application and AWS Resources with Amazon CloudWatch
- Deploying Applications with AWS Elastic Beanstalk and AWS CloudFormation