AWS

🕐 Duration: 3 Days
🖼A Available Languages: English German

Audience

Developers who want to learn about AWS in order to develop cloud applications.

Goals

Learn AWS concepts and AWS services and how these fit into a cloud solution.

Contents

- Cloud Computing Overview
- AWS Overview
    - # AWS Cloud Computing
    - # Why AWS?
    - # AWS Platform
    - # Creating AWS Accounts
    - # Evaluating Service Level Agreements
    - # Console, Command Line Tools, and API
- AWS vs Google Cloud vs Microsoft Azure
- Overview of AWS Architecture
    - # EC2
    - # Amazon S3
    - # EBS
    - # Beanstalk
    - # RDS
    - # VPC
    - # CloudFront
    - # SimpleDB
    - # SQS
    - # CloudWatch
- Introduction to Developing on AWS
- Identity Access Management
- Choosing a Data Store
- Storage
    - # S3 Basics
    - # Create S3 Bucket
    - # S3 Lifecycle Management and Glacier
    - # S3 Security and Encryption
    - # CloudFront CDN Overview
    - # Developing Storage Solutions with Amazon S3
- EC2

- # EC2 Basics
- # Launching EC2 Instance
- # Security Groups Basics
- # EBS Volume Types
- # AWS ELB
- # AWS CLI and EC2
- # Cloud Watch EC2
- # Using IAM Roles with EC2
- Lambda and Serverless
- Working with Events
  - # Developing Event Driven Solutions with AWS Lambda
  - # How Lambda works?
  - # Creating Lambda Functions
  - # AWS CLI
  - # Updating Lambda Functions with AWS CLI
  - # Creating an API with API Gateway and AWS Lambda
  - # Creating Data-Driven Apps with Lambda
- Databases
  - # Databases on AWS
  - # Creating Data-Driven Apps with DynamoDB
- Continuous Integration on AWS
- Continuous Deployment on AWS

Booking

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