# AWS DEVELOPER BOOTCAMP

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## DESCRIPTION

Cloud computing is the on-demand delivery of IT resources over the internet with a pay-as-you-go pricing model. Organizations are migrating their workloads to reduce hardware and operational costs. Amazon Web Services (AWS) is the world's largest cloud provider having regions globally. Xerris is an advanced AWS partner, delivering solutions on AWS for many diverse clients worldwide. The AWS Developer Bootcamp provides foundational skills for engineers to develop solutions on AWS.

## COURSE CONTENT

### Modules

**Welcome To The Cloud**
Understand what cloud computing is and learn about AWS. Create an AWS free tier account and begin your learning journey

**Introduction to Microservices**
Learn about the microservice approach to development and learn to develop AWS Lambdas with a NOSQL datastore AWS DynamoDB.

**Infrastructure As Code**
Learn how to create AWS resources using either AWS CDK or Hashicorp Terraform..

**Introduction to SQS**
Learn how to develop event-driven Lambdas with AWS Simple Queue Service

**Introduction to SNS**
Learn about AWS Simple Notification Services.

**Introduction to Test Automation**
Learn the basics of test automation and how you design your software to support automated tests.

**Test Automation using Mocks**
Learn how to write unit tests for APIs your software depends on without invoking them by creating mocks.

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## OVERVIEW

The boot camp is 24 hours of instructor-led lectures and hands-on workshops. Modules are 3 hours long, broken down into lectures and practice hands-on lessons. Learn the basics of developing on AWS while also improving your skills as a developer.

### CLASS SCHEDULE

- Instructor-led lectures with real-world examples.
- Suggested classroom size: 12-20 students.
- Class runs 3 hours per session, with a 15 min break.

aws certified Developer ASSOCIATE

**CERTIFICATION PREPARATION**
Preps you for the AWS Developer Associate certificate.
***Certification requires additional self-study***

### STUDENT COMMITMENT

- Students actively participate in both lectures and workshops.
- Students require Visual Studio Code or equivalent IDE
- Students' workstations require .NET Core 6.0 and JRE 8+ installed.
- Students require local administrator access to install relevant tools.