Advanced Developing on AWS

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

Prerequisite Courses

Developer - Developing on AWS
View Details

The Advanced Developing on AWS course uses the real-world scenario of taking a legacy, on-premises monolithic application and refactoring it into a serverless microservices architecture. This three-day advanced course covers advanced development topics such as architecting for a cloud-native environment; deconstructing on-premises, legacy applications and repackaging them into cloud-based, cloud-native architectures; and applying the tenets of the Twelve-Factor Application methodology.

Skills Gained

In this course, you will learn how to:

- Analyze a monolithic application architecture to determine logical or programmatic break points where the application can be broken up across different AWS services.
- Apply Twelve-Factor Application manifesto concepts and steps while migrating from a monolithic architecture.
- Recommend the appropriate AWS services to develop a microservices based cloud native application.
- Use the AWS API, CLI, and SDKs to monitor and manage AWS services.
- Migrate a monolithic application to a microservices application using the 6 Rs of migration.
- Explain the SysOps and DevOps interdependencies necessary to deploy a microservices application in AWS.

Who Can Benefit

This course is intended for:

- Experienced software developers who are already familiar with AWS services

Course Details

Course Outline

This course covers the following concepts:

- Interfacing with AWS Services

- Deconstructing a monolithic architecture

- Migrating to the cloud

- Creating an infrastructure

- Declare and isolate dependencies

- Storing configuration in the cloud

- Establish a build, release, run model

- Creating the codebase

- Deploying an application

- Evolution of architecture

- Design patterns

- I/O explosion and preventing it

- Microservices

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

Development - Introduction to Microservices Architecture Training
[View Details](#)

Download Whitepaper: Accelerate Your Modernization Efforts with a Cloud-Native Strategy
Get Your Free Copy Now