

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](#)

Schedule (as of 3)

Date	Location	
Jul 7, 2021 - Jul 9, 2021	MVP Edison	Enroll
Jul 7, 2021 - Jul 9, 2021	MVP McLean	Enroll
Jul 7, 2021 - Jul 9, 2021	iMVP	Enroll
Aug 10, 2021 - Aug 12, 2021	MVP Edison	Enroll
Aug 10, 2021 - Aug 12, 2021	iMVP	Enroll
Aug 10, 2021 - Aug 12, 2021	McLean	Enroll
Aug 30, 2021 - Sep 1, 2021	San Francisco	Enroll
Aug 30, 2021 - Sep 1, 2021	iMVP	Enroll
Sep 28, 2021 - Sep 30, 2021	McLean	Enroll
Sep 28, 2021 - Sep 30, 2021	MVP Edison	Enroll
Sep 28, 2021 - Sep 30, 2021	iMVP	Enroll

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