

Description

Running Container-Enabled Microservices on AWS is a one-day, expert-level bootcamp that provides an in-depth, hands-on introduction to managing and scaling container-enabled applications. This full-day bootcamp provides an overview of container and microservice architectures. You will learn how to containerize an example application and architect it according to microservices best practices. Hands-on labs that feature the AWS container-focused services show you how to schedule long-running applications and services, set up a software delivery pipeline for your microservices application, and implement elastic scaling of the application based on customer load.

Course Objectives

This course teaches you how to:

- Design and deploy a microservices-based architecture using containers.
- Use Amazon EC2 Container Service to run a scalable microservices based application.
- Use EC2 Container Registry to store the application container images.
- Integrate Amazon EC2 Container Service with other AWS services.
- Use AWS services to build a continuous delivery pipeline for your application.

Intended Audience

This course is intended for:

- Developers
- Operations professionals
- Solutions architects

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Fundamental knowledge of core AWS services and features
- Basic knowledge of Docker
- Requires a laptop to complete lab exercises – tablets are not appropriate

Delivery Method

This course is delivered through a mix of:

- Instructor-Led Training (ILT)
- Hands-On Labs

Duration

One day

Course Outline

This course covers the following concepts:

- Containerize Your First Application

- From Monolith to Microservice: Break up Your Monolithic Application into Smaller Microservices
- From Dev to Prod: Creating Continuous Delivery Pipelines for your Microservices Application
- Scaling Your Container-Based Application