

RX-M - AWS Microservices

Code:	CN2-MS-AWS
Length:	3 days
URL:	View Online

This intensive three day hands on course is designed to provide working developers, devops staff and other technology professionals with a comprehensive introduction to microservices and the AWS microservice environment. Attendees will leave with a clear understanding of microservices and how to maximize them on AWS. Students will gain hands-on experience working with AWS and microservices in a range of labs. The course covers the benefits of container based microservice packaging and use of EC2 Container Registry (ECR) as well as dynamic application management using the EC2 Container Service (ECS). Attendees will examine various use cases and architecture patterns for microservice based applications throughout the course, with focused discussion on microservice communications, transactions and state management. Upon completion of the course attendees will have the skills and information necessary to begin designing and working with microservice based applications on AWS.

Skills Gained

- This course is designed to provide engineering staff with a comprehensive overview of the microservices architecture style and the AWS tools and platform features which support microservice architectures.

Who Can Benefit

- Developers, Architects, Engineering Managers and DevOps personnel

Prerequisites

- Because the course focuses on microservice properties and design, no particular programming language expertise is required though attendees should have experience with at least one programming language.

Course Details

AWS Microservices

- Day 1 - Core Concepts
 1. Microservice Overview
 2. Microservice Communications I - Client/Server
 3. Container Packaging
- Day 2 - State

1. Microservice Communications II - Messaging
2. Cloud Native Transactions and Event Sourcing
3. Stateless Services and Polyglot Persistence

- Day 3 - Microservices in Practice

1. Microservice Orchestration
2. FaaS
3. API Gateways

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