Anypoint Platform Development: Production-Ready Development Practices - DEX660 (DEX660)

Delivery and Pre-work Information

Pre-work

- Pre-work Title:
- Pre-work Link:

Course Information

Class Code

DEX660

Course Name

Anypoint Platform Development: Production-Ready Development Practices - DEX660

About This Class

Discover how to implement production-ready Mule applications in a development operations environment with Anypoint Platform. In this 3-day instructor-led course, learn how to automate Mule application production development practices and securely provision API-related artifacts in order to deploy applications that are easily monitorable.

Who should take this class?

This course is designed for developers who are responsible for implementing production-ready Mule applications in development operations environments with Anypoint Platform. This is also a great course for anyone interested in earning their MuleSoft Developer II credential.

Students should hold their MuleSoft Developer I credential or possess equivalent knowledge, and have previous experience creating Mule applications with Anypoint Platform and Anypoint Studio. They should also have a strong understanding of foundational Maven concepts prior to attending a class. Students who are new to Maven are strongly encouraged to check out the following resources: Maven Getting Started Guide, Apache Maven Tutorial, and Maven in 5 Minutes.

Note: Students using their own computer are expected to follow the steps outlined in this Computer Setup Guide.

When you complete this class, you will be able to:

- Provision API-related artifacts and secure access to APIs.
- Enhance data protection using HTTPS.
- Configure Mule applications succinctly and securely for different deployment environments.
- Automate the building, unit testing, and deployment of Mule applications using Maven-based tooling.
- Write unit tests for Mule flows using MUnit that are optimized for reuse and maintainability.
- Improve monitorability of Mule applications through health checks and operational logging.
- Share assets and resources, including code and connector configurations, between projects.

What lessons and topics will be covered?

API-Related Artifact Provisioning

- Review Fundamental Anypoint Platform API-Related Workflows

- Publish an API Specification
- Manage an API Instance with API Manager
- Implement an API as a Mule Application
- Expose an HTTPS Endpoint from a Mule Application
- Register an API Implementation Using Autodiscovery

Basic Software Engineering Principles

- Apply Coding Conventions
- Parameterize Mule Applications and Maven Builds for Runtime Environments
- Deploy from a Maven Build to CloudHub

Operational Concerns

- Implement Operational Logging
- Expose Health Check Endpoints
- Monitor a Mule Application from Anypoint Platform
- Extract Reusable Mule Application Code into a Library

Unit-Testing Automation with MUnit

- Enable Mule Application Unit Testing with MUnit
- Perform Basic Unit Testing for Integration Functionality
- Mock External Dependencies
- Spy on Data Exchanged with External Dependencies