

# Anypoint Platform Operations: API Management

## Summary

This instructor-led course is for all operations and administration personnel, developers, and architects who want to get hands-on experience managing and deploying APIs on Anypoint Platform (whether Anypoint Platform is MuleSoft-hosted in the cloud or customer-hosted using Anypoint Platform Private Cloud Edition).

*Note: This course is for both Mule 3 and Mule 4.*

## Duration

1 day in-person or online

## Objectives

At the end of this course, students should be able to:

- Manage API access with business groups and API portals.
- Create and deploy API proxies.
- Secure and manage APIs with policies and SLA tiers.
- Organize APIs with versioning and documentation.
- Analyze and monitor APIs.

## Prerequisites

There are no course prerequisites.

## Setup requirements

- A computer with a minimum screen resolution of 1024x768
- Unrestricted internet access to port 80 (with > 5Mbps download and > 2Mbps upload)
- The latest version of Firefox or Chrome or Internet Explorer 10 or newer
- An Anypoint Platform account: <http://anypoint.mulesoft.com>

A detailed setup document can be downloaded from here: <https://training.mulesoft.com/downloads>.

## Outline

### Module 1: Introducing Anypoint Platform

- Describe and navigate Anypoint Platform
- Explain the API development lifecycle with Anypoint Platform
- Organize users with business groups
- Use Anypoint Platform roles and permissions
- Create and use custom roles

### Module 2: Discovering and Consuming APIs

- Create APIs in Design Center by consuming reusable API fragments from Anypoint Exchange
- Publish, document, and test API specifications in Anypoint Exchange
- Control API access using Exchange portals
- Discover APIs through public portals
- Customize public portals in Exchange

### Module 3: Deploying APIs

- Describe the API Gateway
- Deploy API proxies to Mule runtimes
- Explain how to manage an API without an API proxy

### Module 4: Applying Runtime Policies

- Explain runtime policies
- Secure APIs with the OAuth 2.0 token enforcement policy
- Enforce Service Level Agreement (SLA) tiers
- Apply SLA-based policies to APIs
- Apply the spike control policy to APIs
- Create and apply custom policies
- Define the order of execution of policies

### Module 5: Promoting and Versioning Managed APIs

- Promote managed APIs from one environment to another
- Version APIs in Design Center
- Document changes in API versions inside portals
- Deprecate older versions of APIs

## Module 6: Monitoring APIs

- Create API alert notifications
- View API analytics in the Anypoint Analytics Dashboard
- Create custom charts
- Export data from charts
- Create and run custom reports
- Explain how to enable API analytics in third-party software