

**Integration with MuleSoft**

**Course Number:** MULE-106  
**Duration:** 1.5 days

**Overview**

This instructor-led, online MuleSoft Integration training teaches students how to test a Mule application in Anypoint Studio, MuleSoft’s IDE (integration development environment). Students learn how to use the APIKit to scaffold an implementation from an API specification, connect to a database, test, and debug. Students then deploy their Mule application to CloudHub and manage it from API Manager.

**Prerequisites**

Students should be familiar with RAML API specifications (resources, methods, responses), the design-first approach, and Anypoint Platform. Some experience with data formats, Git operations, and basic database knowledge is helpful but not required.

**Materials**

All students receive comprehensive courseware.

**Software Needed on Each Student PC**

Students will not need to install any software on their computers for this class. The class will be conducted in a remote environment. Students need a local computer with a web browser (preferably Chrome), stable internet, two monitors, and a headset/microphone.

**Objectives**

* Create a new Mule Project
* Scaffold an interface from your API specification using the APIKit
* Build an implementation to orchestrate business logic
* Import the database module to connect to an external database
* Transform data using DataWeave
* From Studio deploy your Mule application to CloudHub
* Create an API Proxy for your application using Anypoint Platform’s API Manager
* Apply policies and restrict access to your API from API Manager

**Outline**

* Welcome to Studio
  + Navigate Anypoint Studio
  + Create a Mule Project
  + Design the Implementation
  + Connect to a Database
  + Transform Data with DataWeave
* Our Application
  + Scaffold the Interface Using APIKit
  + Link the Interface to the Implementation
  + Update the RAML from Studio
  + Sync Changes with Design Center
* Your Application
  + Create a Mule Project
  + Connect to a Database
  + Transform Data with DataWeave
  + Scaffold the Interface using APIKit
  + Link the Interface to the Implementation
* Anypoint Studio and Anypoint Platform
  + Deploy to CloudHub from Studio
  + Monitor on Runtime Manager
  + Observe Deployment/Worker Logs
* Manage Our API
  + Use API Manager to Apply Policies
  + Add Service Level Agreement Tiers
  + Add Client ID Enforcement
  + Update RAML with Security Trait
  + Update Version and Redeploy Proxy
* Manage Your API
  + Use API Manager to Apply Policies
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* Conclusion