

**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
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* Conclusion