



# Welcome to Trailhead Academy

MuleSoft Training Overview

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# Comprehensive Learning at a Glance



## Self-Paced Learning

Build foundational skills using **Trailhead**, Salesforce's free learning platform, or **MuleSoft and Tableau eLearning**



## Immersive Learning

Build CRM, data, and AI expertise with immersive **instructor-led** learning experiences including **public and private classes** and events



## Expert Guidance

Get insights and best practices with **Guided Onboarding** programs, **Expert Coaching Sessions**, and **Office Hours**



## Skill Validation

Ensure up-to-date product knowledge with **Certifications**, **Superbages**, and **Super Sets**.



# Invest in training for better outcomes

Holistic learning to build and validate expertise

Build competency to get more value

Up skill to control costs & drive efficiency

Cross-skill to drive efficient growth

**30%** Faster  
time-to-value<sup>1</sup>

**68%** Greater  
efficiency<sup>1</sup>



<sup>1</sup>IDC: The Impact of Salesforce Training and Credentials, September 2023

# MuleSoft Developer Training Plan



Instructor-led training to enable your technical resources on Anypoint Platform

	LEVEL 1	LEVEL 2	LEVEL 2	LEVEL 2	LEVEL 2
<b>Class</b>	5 Days  <a href="#">Anypoint Platform Development: Fundamentals</a>	2 Day  <a href="#">Anypoint Platform Development: API Design</a>	2 Days  <a href="#">Anypoint Platform Development: DataWeave</a>	3 Days  <a href="#">Anypoint Platform Development: Production-Ready Development Practices *</a>	4 Days  <a href="#">Anypoint Platform Development: Production-Ready Integrations *</a>
<b>Attendees</b>	1 Session 12 attendees	1 Session 12 attendees	1 Session 12 attendees	1 Session 12 attendees	1 Session 12 attendees
<b>Certification</b>	MuleSoft Certified Developer Level 1			MuleSoft Certified Developer Level 2	
<b>Audience</b>	Anyone looking to get started on Anypoint Platform with hands-on experience building APIs and integrations	Developers who want to get hands-on experience creating well-designed, modular API definitions using RAML 1.0 and Anypoint Platform	Developers advancing their Dataweave skills beyond those taught in the Fundamentals course	Developer that has completed Fundamentals or MCD1, learn skills and best practices to implement production-ready Mule applications in a DevOps environment.	Developer that has completed Fundamentals or MCD1, learn to build applications that apply integration patterns to take on production challenges of distributed communication.



# MuleSoft Architecture Training Plan



Instructor-led training to enable your technical resources on Anypoint Platform

	Platform ARCHITECTURE	Solutions ARCHITECTURE
Class	5 Days  <a href="#">Anypoint Platform Architecture: Application Networks</a>	5 Days  <a href="#">Anypoint Platform Architecture: Integration Solutions</a>
Attendees	1 Session 12 attendees	1 Session 12 attendees
Certification	MuleSoft Platform Architect Level 1	MuleSoft Solutions Architect Level 1
Audience	Enterprise architect that wants to learn how to lead Anypoint Platform strategy to build an application network using API-led connectivity.	Solutions architect or solutions engineer that wants to learn how to lead Anypoint Platform implementations to ensure quality and operationalization of solutions.





# MuleSoft Operations Training Plan

Instructor-led training to enable your technical resources on Anypoint Platform



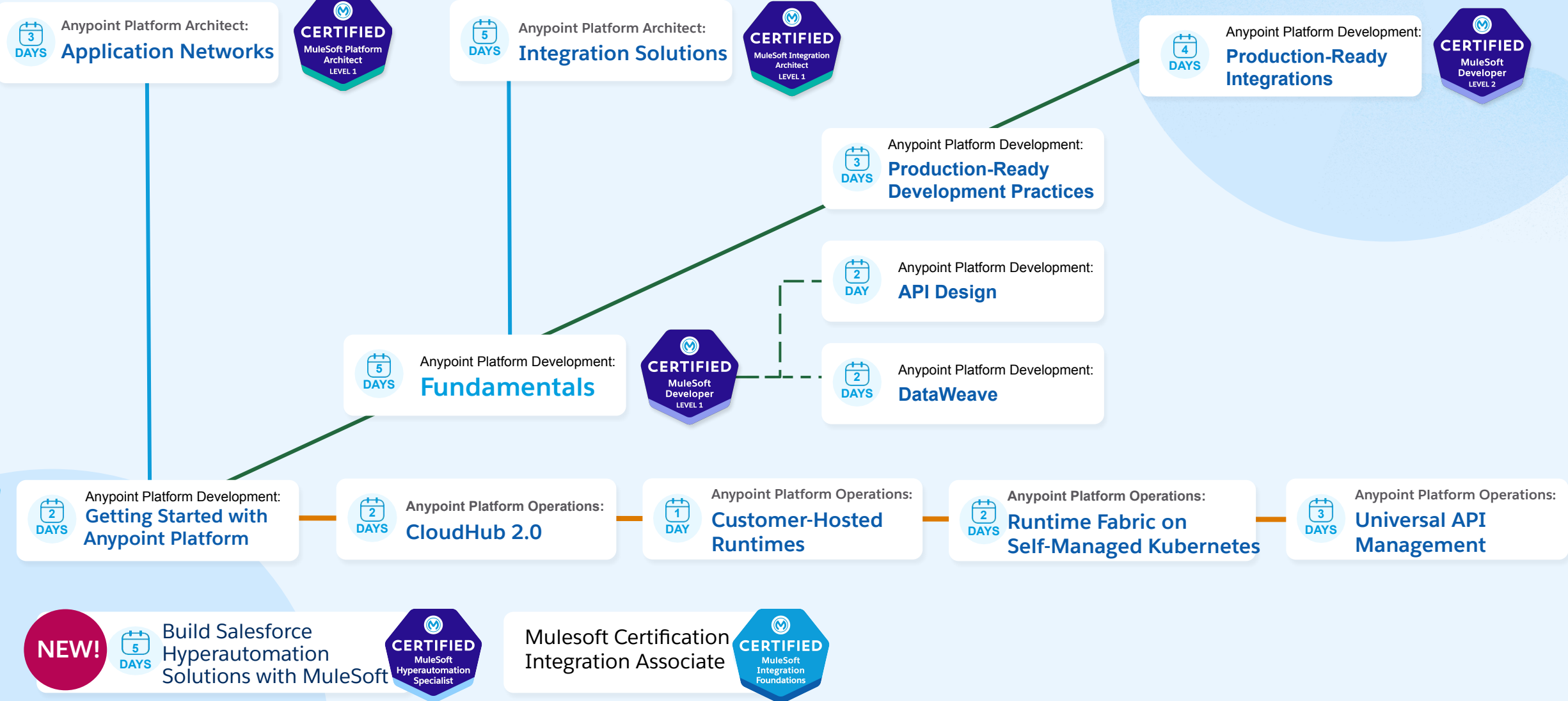
	OPERATIONS	OPERATIONS
Class	2 Days	4 Days
	<a href="#">Anypoint Platform Operations: CloudHub 2.0</a>	<a href="#">Anypoint Platform Operations: Universal API Management</a>
Attendees	1 Session 12 attendees	1 Session 12 attendees
Certification		
Audience	Get hands-on experience managing and monitoring Mule applications deployed to CloudHub.	Learn to use Anypoint Platform to manage, secure, and monitor APIs on Mule and Flex Gateways.



# MuleSoft Training Timeline



# MuleSoft Technical Learning Paths





# MuleSoft Developer Learning Journey



- Remember
- Understand
- Apply
- Analyze
- Evaluate
- Create

Month 1      Month 2      Month 3      Month 4      Month 6      Month 12

Learn API  
Basics on  
Trailhead

Certification  
Prep

MCD Level 1  
Certification



Anypoint  
Platform  
Development:  
API Design with  
RAML  
(DEX 475)

Anypoint  
Platform  
Development:  
DataWeave  
(DEX 480)

API Project  
Design or  
Deployment

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

Anypoint  
Platform  
Development:  
Production-Ready  
Integration  
(DEX670)

Certification  
Prep

MCD Level 2  
Certification



Building  
Reusable  
APIs &  
Production  
Readiness

# MuleSoft Learning Bundle

Ramp up on Anypoint in 60 days

## Onboard

This learning path is for developers, architects, and IT operations leaders who are supporting an Anypoint Platform in a decision-making capacity

### Instructor-Led Training

#### [Getting Started with Anypoint Platform \(MAX150\)](#)

- Consume, design, build, deploy, manage, and govern APIs with Anypoint Platform
- Understand the benefits of applications networks and API-led connectivity
- Strategize and plan your integrations

## Learn

Education program continues with in-depth training building APIs and integrations using Anypoint Platform

### Instructor-Led Training

#### [Anypoint Platform Development Fundamentals \(DEX401\)](#)

- Turn business requirements into code, conduct unit testing, and deploy and troubleshoot integrations and APIs
- Build an application network using API-led connectivity and Anypoint Platform
- Connect to databases, files, web services, MS queues, and SaaS applications

## Credentials

Validate expertise, showcase capabilities, and get immediate value with more impactful employees

### Certifications

#### [MuleSoft Certified Integration Associate](#)

#### [MuleSoft Certified Developer - Level 1](#)

salesforce

\*Pricing based on 14 attendees, 2 certifications each - regional pricing varies and subject to Premier and Signature discounting

salesforce

# Classes by Product

MuleSoft





# Anypoint Platform

**Duration:** 5 Days

**Cost:** \$4500 USD

**Content available in:**  
English (US)



## Build Salesforce Hyperautomation Solutions with MuleSoft (ADX350)

This class is designed for advanced administrators, consultants, and beginner developers and architects who are responsible for building solutions with Salesforce and MuleSoft automation tools. This class is recommended for anyone working toward their MuleSoft Certified Hyperautomation Specialist credential.

**When you complete this course, you will be able to:**

- Recommend Salesforce solutions that champion hyperautomation best practices.
- Use the MuleSoft Anypoint Platform to design, deliver, and manage APIs.
- Track hyperautomation API endpoints with Anypoint Monitoring.
- Leverage Anypoint Exchange to publish, share, discover, understand, and reuse hyperautomation assets.
- Automate data integrations using MuleSoft Composer.
- Work with Einstein Bots to automate manual customer service tasks.
- Understand how MuleSoft Robotic Process Automation (RPA) processes are utilized in hyperautomation.
- Construct hyperautomation workflows using Salesforce Flow.
- Build parallel multi-user and multi-step workstreams with Flow Orchestration.



# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US) and Japanese



## Getting Started with Anypoint Platform (MAX150)



This introductory course is for anyone involved in an Anypoint Platform project who wants to get hands-on experience learning about the platform and how to use it to discover, consume, design, build, deploy, manage, and govern APIs – all without writing any code. This course is not for developers and architects who are going to take the [Anypoint Platform Development: Fundamentals](#) course, which includes this content and more.

*Note: A [self-paced version of this course](#) is also available.*

**When you complete this course, you will be able to:**

- Describe the benefits of application networks and API-led connectivity.
- Use Anypoint Exchange as a central repository for the discovery and reuse of assets.
- Use API Designer to define APIs with RAML and make them discoverable by adding them to Exchange.
- Use Anypoint Studio to build APIs that connect to databases and transform data with DataWeave.
- Deploy API implementations to CloudHub.
- Use API Manager to create and deploy API proxies that govern access to APIs.



# Anypoint Platform

**Duration:** 5 Days

**Cost:** \$4500 USD

**Content available in:**  
English (US) and Japanese



## Anypoint Platform Development: Fundamentals (DEX401)

This course is for developers and architects who want to get hands-on experience using Anypoint Platform to build APIs and integrations. It prepares you to take the [MuleSoft Certified Developer - Level 1](#) exam and includes two exam attempts.

*Note: A [self-paced version of this course](#) is also available.*

**When you complete this course, you will be able to:**

- Build an application network using API-led connectivity and Anypoint Platform.
- Use Anypoint Platform to discover, design, build, deploy, manage, and govern APIs.
- Connect to databases, files, web services, SaaS applications, JMS queues, and more.
- Add application logic, handle errors, and transform data using DataWeave.
- Structure applications to facilitate development and deployment.
- Handle batch data processing.





# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US)



## Anypoint Platform Development: API Design with RAML (DEX475)

This course is for API designers, developers, and architects who want to get hands-on experience creating well-designed, modular API definitions using RAML 1.0 and Anypoint Platform™.

**When you complete this course, you will be able to:**

- Translate functional design requirements into API resources and methods.
- Use API Designer to create API specifications.
- Define API resources, methods, parameters, and responses using RAML.
- Model data in APIs using datatypes.
- Document and test APIs.
- Make APIs discoverable.
- Minimize repetition in APIs using resource types and traits.
- Modularize APIs using libraries, overlays, and extensions.
- Specify API security schemes.
- Enhance API responses using hypermedia.
- Version APIs.



# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US)



## Anypoint Platform Development: DataWeave (DEX480)

This course is for Mule 4 developers or architects who want to advance their DataWeave skills beyond those taught in the [Anypoint Platform Development: Fundamentals](#) course so that they can build complex transformations.

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

- Write generalized and reusable transformations using variables, functions, DataWeave modules.
- Use the DataWeave Playground to test and author DataWeave code.
- Build complex transformations from smaller testable steps.
- Build more robust and testable functions and expressions using strong typing, match operators, error handling, and logging.
- Create, transform, filter, combine, shuffle, select from, and reduce complex data structures that include nested arrays, objects, and arrays of objects.
- Recursively replace or format every element or a list of elements in a nested schema.
- Reduce arrays to other data structures or data types and calculate key performance indicators.



# Anypoint Platform

**Duration:** 3 Days

**Cost:** \$2700 USD

**Content available in:**  
English (US)



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



This course is for software developers who have mastered the fundamentals of creating Mule applications with Anypoint Studio™ and Anypoint Platform™ and now want to learn the skills and best practices to build production-ready Mule applications – applications that are ready to be used in a DevOps environment in professional software development projects. This course together with the [Anypoint Platform Development: Production-Ready Integrations](#) course prepares you to take the [MuleSoft Certified Developer - Level 2](#) exam. If you complete both courses and have a current [MuleSoft Certified Developer - Level 1](#) certification, you will automatically receive two exam attempts.

**When you complete this course, you will be able to:**

- Interactively 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 is optimized for reuse and maintainability.
- Improve monitorability of Mule applications through healthchecks and operational logging.
- Share assets and resources including code, connector configurations, and more between projects.



# Anypoint Platform

**Duration:** 4 Days

**Cost:** \$3600 USD

**Content available in:**  
English (US)



## Anypoint Platform Development: Production-Ready Integrations (DEX670)

This course is for software developers who have mastered the fundamentals of creating Mule applications with Anypoint Studio™ and Anypoint Platform™ and now want to learn the skills and best practices to build production-ready integrations – applications that apply essential integration patterns to take on the production challenges of distributed communication. This course together with the the [Anypoint Platform Development: Production-Ready Development Practices](#) course prepares you to take the [MuleSoft Certified Developer - Level 2](#) exam. If you complete both courses and have a current [MuleSoft Certified Developer - Level 1](#) certification, you will automatically receive two exam attempts.

**When you complete this course, you will be able to:**

- Invoke REST APIs and SOAP web services using various client components taking into consideration the non-functional properties of API invocations.
- Pass messages asynchronously reliably between Mule flows and Mule applications.
- Use various modules and techniques to implement message validation across Mule flows and Mule applications.
- Apply essential Enterprise Integration Patterns to orchestrate multiple Mule applications and API invocations.
- Use various techniques and Anypoint Platform components to store and manage state in an application network to increase performance and resilience.
- Identify and extract reusable Mule application code into different Mule runtime extensions.



# Anypoint Platform

**Duration:** 3 Days

**Cost:** \$2700 USD

**Content available in:**  
English (US) and Japanese



## Anypoint Platform Architecture: Application Networks (ARC720)

This course is for senior solution and enterprise architects who have experience with common integration approaches (like SOA) and integration technologies/platforms, and have basic knowledge and experience with the components of Anypoint Platform. It prepares you to take the [MuleSoft Certified Platform Architect - Level 1](#) exam and includes two exam attempts.

**When you complete this course, you will be able to:**

- Break down functional requirements into business-aligned, versioned APIs with effective granularity and API data model.
- Direct creation and publication of API-related assets using RAML and Anypoint Platform components.
- Architect for non-functional requirements on the level of API invocations and API implementations using components of Anypoint Platform.
- Architect for specific requirements by augmenting API-led connectivity with event-driven architecture.
- Select Anypoint Platform deployment options.
- Advise on effective use of the automation capabilities of Anypoint Platform for DevOps, CI/CD, and testing.
- Advise on the establishment and operation of a Center for Enablement (C4E).



# Anypoint Platform

**Duration:** 5 Days

**Cost:** \$4500 USD

**Content available in:**  
English (US) and Japanese



## Anypoint Platform Architecture: Integration Solutions (ARC730)

This course is for solution and technical architects or lead/senior developers that are focused on designing enterprise integration solutions and have prior experience developing and deploying non-trivial Mule applications. It prepares you to take the [MuleSoft Certified Integration Architect - Level 1](#) exam and includes two exam attempts.

**When you complete this course, you will be able to:**

- Translate functional and non-functional requirements into well documented integration interfaces and implementation designs.
- Select the best Mule components and patterns for integration solution designs.
- Select the deployment approach and configuration of Anypoint Platform with any of the available deployment options (MuleSoft-hosted or customer-hosted control plane and runtime plane).
- Design Mule apps for the various deployment options of the Anypoint Platform runtime plane.
- Apply standard dev methods covering the full development lifecycle to ensure solution quality.
- Design reusable assets, components, standards, frameworks, and processes to support and facilitate API and integration projects.
- Design and be responsible for the technical quality, governance (ensuring compliance), and operationalization of integration solutions.
- Advise technical teams on performance, scalability, reliability, monitoring, and other operational concerns of integration solutions on Anypoint Platform.





# Anypoint Platform

**Duration:** 1 Day

**Cost:** \$1250 USD

**Content available in:**  
English (US)



## Anypoint Platform Architecture: MuleSoft Accelerator for Healthcare (ARC710)



This course is for solution and technical architects or lead/senior developers that are focused on healthcare and life science related projects that have prior experience developing and deploying Mule applications.

**When you complete this course, you will be able to:**

- Explain healthcare interoperability, HL7 and FHIR (Fast Healthcare Interoperability Resources) standards, FHIR facade, and MuleSoft's approach to FHIR.
- Configure common assets needed to build and deploy MuleSoft Accelerator for Healthcare implementations.
- Evaluate all use cases and assets in MuleSoft Accelerator for Healthcare including their description, requirements, and architecture.
- Implement the Patient 360 use case using MuleSoft, Salesforce Health Cloud, and OpenEMR to provide a complete solution using API-led connectivity.



# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US) and Japanese

## Anypoint Platform Operations: CloudHub (OPS320)

This course is for Anypoint Platform administrators including operations personnel, developers, and architects who want to get hands-on experience managing and monitoring Mule applications deployed to CloudHub, the previous version of our integration platform as a service.

**When you complete this course, you will be able to:**

- Configure, deploy, manage, monitor, and analyze Mule applications on CloudHub.
- Configure load balancing and high availability options for Mule applications on CloudHub.
- Use the Anypoint Platform REST APIs to manage Mule applications on CloudHub.





# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US)



## Anypoint Platform Operations: CloudHub 2.0 (OPS325)

This course is for all DevOps engineers, IT operations, developers, and architects who want to get hands-on experience managing and monitoring Mule applications deployed to CloudHub 2.0.

*Note: This course does not focus on the differences between CloudHub and CloudHub 2.0, or on defining a migration path. Material related to migration will be made available at a later date. For the previous CloudHub version of the course, go [here](#).*

**When you complete this course, you will be able to:**

- Configure, deploy, manage, monitor, and analyze Mule applications on CloudHub 2.0.
- Configure load balancing and high availability options for Mule applications on CloudHub 2.0.
- Use the Anypoint Platform REST APIs to manage Mule applications on CloudHub 2.0.



# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US)



## Anypoint Platform Operations: Runtime Fabric on Self-Managed Kubernetes (OPS335)



This course is for Anypoint Platform administrators including operations personnel, developers, and architects who want to get hands-on experience installing, configuring, and using Runtime Fabric on a managed Kubernetes solution provided by AWS, Azure, or Google Cloud.

*Note: This course does NOT teach you how to operate and manage a Kubernetes environment; your company needs to already have this expertise to use Runtime Fabric on self-managed Kubernetes. If you instead want to get experience with our integration platform as a service, take the [Anypoint Platform Operations: CloudHub 2.0 course](#), and if you want to stay completely in your own-hosted environment, take the [Anypoint Platform Operations: Customer-Hosted Runtimes](#) course.*

### When you complete this course, you will be able to:

- Describe the features, benefits, and architecture of Runtime Fabric.
- Install and configure Runtime Fabric on self-managed Kubernetes.
- Deploy Mule applications to Runtime Fabric.
- Perform maintenance tasks using command-line tools.
- Scale Runtime Fabric deployments for performance and high availability.
- Use Anypoint Monitoring for alerts, dashboarding, and monitoring.



# Anypoint Platform

**Duration:** 2 Days

**Cost:** \$1800 USD

**Content available in:**  
English (US)



## Anypoint Platform Operations: Customer-Hosted Runtimes (OPS340)

This course is for all operations and administration personnel, developers, and architects who want to get hands-on experience managing and monitoring customer-hosted Mule runtimes and applications (on-premises or in a private cloud) with Anypoint Runtime Manager (whether on the cloud or using the Private Cloud Edition).

**When you complete this course, you will be able to:**

- Describe the Mule runtime architecture.
- Install, configure, run, tune, and scale Mule runtimes.
- Deploy Mule applications to Mule runtimes.
- Use Anypoint Runtime Manager to manage, monitor, and analyze Mule runtimes and Mule applications.
- Scale and tune Mule runtimes and Mule applications.
- Automate administration tasks.



# Anypoint Platform

**Duration:** 3 Days

**Cost:** \$2700 USD

**Content available in:**  
English (US)



## Anypoint Platform Operations: Universal API Management (OPS350)

This course is for Anypoint Platform administrators including operations personnel, developers, and architects who want to get hands-on experience managing APIs using Anypoint Platform.

**When you complete this course, you will be able to:**

- Manage APIs deployed in Anypoint Platform or elsewhere in a single control plane using Anypoint API Manager.
- Use Anypoint Exchange and public portals to document, version, and share API specifications.
- Control and secure APIs running anywhere using Anypoint Flex Gateway.
- Control and secure APIs running in Anypoint Platform using Anypoint Mule Gateway.
- Govern APIs with policies and SLA tiers.
- Ensure consistent quality and compliance across APIs using Anypoint API Governance.
- Analyze and monitor APIs using Anypoint Monitoring.
- Improve the reliability, performance and value of APIs using Anypoint API Analytics.