

MuleSoft Certified Integration Architect – Level 1 Certification Exam

Summary

A *MuleSoft Certified Integration Architect – Level 1* should be able to drive and be responsible for an organization's Anypoint Platform implementation and the technical quality, governance (ensuring compliance), and operationalization of the integration solutions. The *MCIA – Level 1* exam validates that an architect has the required knowledge and skills to work with technical and non-technical stakeholders to translate functional and non-functional requirements into integration interfaces and implementations. Certified candidates should be able to:

- Create the high-level design of integration solutions and guide implementation teams on the choice of Mule components and patterns to use in the detailed design and implementation.
- 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 applications for any of the available deployment options of the Anypoint Platform runtime plane.
- Apply standard development methods covering the full development lifecycle (project preparation, analysis, design, development, testing, deployment, and support) to ensure solution quality.
- Advise technical teams on performance, scalability, reliability, monitoring and other operational concerns of integration solutions on Anypoint Platform.
- Design reusable assets, components, standards, frameworks, and processes to support and facilitate API and integration projects.

Format

Format: Multiple-choice, closed book, proctored

• Length: 60 questions

• Duration: 120 minutes (2 hours)

Pass score: 70%Language: English

You can take the exam a maximum of 5 times, with a 24-hour wait between each attempt.



Cost

You can purchase the exam with one of the following. Each includes one free retake.

- \$375
- 1.5 MuleSoft Training Credits (MTC)

Additional retakes (i.e. attempts 3 to 5) are \$250 or 1 MTC and do not come with a free retake.

Two free exam attempts are also included with the purchase of the instructor-led <u>Anypoint Platform</u> <u>Architecture: Integration Solutions</u> course.

Validity

The certification expires two years from the date you pass the exam. To extend the certification validity after this date, you can take the <u>MuleSoft Certified Integration Architect – Level 1 MAINTENANCE</u> exam.

Preparation

You can best prepare for the exam by taking the instructor-led <u>Anypoint Platform Architecture:</u>
<u>Integration Solutions</u> course. Candidates should be familiar with all of the content in the course and be able to apply the concepts.

The following resources are available to help you prepare:

- Instructor-led training: <u>Anypoint Platform Architecture: Integration Solutions</u>
 - Recommended as the most effective and efficient method of preparation
 - o 5-day class
 - o Private, public, onsite, and online classes available
 - Includes two free attempts for this exam

Practice exam

- Same format, length, and duration as the certification exam
- Questions are the same style and degree of difficulty as the exam



Topics

The exam validates that you can perform the following tasks.

Note: ARC: INT is the acronym for the <u>Anypoint Platform Architecture: Integration Solutions</u> course.

Initiating integration solutions on Anypoint Platform	Resources
 Summarize the fundamental value proposition of MuleSoft Catalyst and Catalyst Knowledge Hub Differentiate between functional and non-functional requirements for integration solutions Select features of Anypoint Platform for designing and managing web and event-driven APIs Select deployment options of the Anypoint Platform control plane and runtime plane 	 ARC:INT Module 1 ARC:INT Module 2 ARC:INT Module 3 ARC:INT Module 7
Designing for the runtime plane technology architecture	
 Analyze the mode of operation of a Mule runtime cluster that differentiates it from other deployment options Design integration solutions deployed to CloudHub to address specific requirements using CloudHub's network features Choose Mule runtime domains and domain-shared configuration only for those requirements that clearly benefit from their capabilities Design Mule applications making effective use of the implications of the Mule 4 class loader isolation of Mule modules Describe the characteristics and implications of the Mule 4 reactive event processing model 	 ARC:INT Module 3 ARC:INT Module 4 ARC:INT Module 13 ARC:INT Module 16
Designing architecture using integration paradigms	
 Create high-level integration architectures using API-led connectivity Create high-level integration architectures using web APIs and HTTP Create high-level integration architectures using event-driven APIs and message brokers Design Mule applications and integration solutions using common messaging patterns and technologies 	 ARC:INT Module 2 ARC:INT Module 3 ARC:INT Module 4 ARC:INT Module 13
Designing and developing Mule applications	
 Select among available options for setting Mule application properties Select and use fundamental features available to all Mule applications Design Mule applications using core routers available to all Mule applications Describe the fundamental features of the Salesforce connector Design Mule applications using common features of core connectors 	 ARC:INT Module 2 ARC:INT Module 3 ARC:INT Module 4 ARC:INT Module 5 ARC:INT Module 10 ARC:INT Module 12 ARC:INT Module 13



Select and use the available sources of metadata in the Transform Message component	ARC:INT Module 15
 Design Mule applications and integration solutions using a Common/Canonical Data Model 	
Correctly apply methods for validating data in Mule applications	
Designing automated tests for Mule applications	
Design unit test suites using MUnit and Studio's related features	ARC:INT Module 6
Identify test requirements and scenarios that are best addressed using integration testing or performance testing	
Designing integration solutions to meet persistence requirements	
Design Mule applications using VM queues and the Anypoint VM connector in all deployment options	ARC:INT Module 4ARC:INT Module 7
 Design Mule applications using Object Stores, the OS connector, and OS services in all deployment options 	ARC:INT Module 8ARC:INT Module 13
Design Mule applications and integration solutions using stateful components that may be configured with an Object Store	ARC:INT Module 13
Designing integration solutions to meet reliability requirements	
Select alternatives to traditional transactions (local or XA) where appropriate and beneficial	ARC:INT Module 4ARC:INT Module 11
 Recognize the purpose and characteristics of Until Successful scope, reconnection strategies, and redelivery policies 	ARC:INT Module 12 ARCINE Module 12
Differentiate between disaster recovery and high availability and the basic approaches to achieving either in all deployment options	ARC:INT Module 13
 Design Mule applications and integration solutions using local and XA transactions for all Mule connectors that support them 	
Designing integration solutions to meet performance requirements	
Design Mule applications and integration solutions to meet performance and capacity goals	ARC:INT Module 4ARC:INT Module 8
Design Mule applications using available streaming features in Mule	ARC:INT Module 13
 Design Mule applications to process large sequences/streams of messages 	ARC:INT Module 14
Designing integration solutions to meet security requirements	
Design secure access to the Anypoint Platform control plane and APIs	ARC:INT Module 9
Design secure edge access using Anypoint Security	ARC:INT Module 15
 Analyze and counteract potential security vulnerabilities of Mule applications 	ARC:INT Module 16
Recognize the audit logging capabilities of Anypoint Platform	



Applying DevOps practices and operating	integration solutions		
Create high-level designs of CI/CD pipeling MuleSoft-provided Maven plugins	nes for Mule applications using	•	ARC:INT Module 9 ARC:INT Module 10
 Identify the features and characteristics for Anypoint Platform 	or automating interactions with		7.1.C
 Design the logging configurations and op deployment options 	tions of Mule applications in all		
Identify the features and characteristics of deployment option	f Anypoint Monitoring in all		

More information

For more information, visit http://help.learn.mulesoft.com.