



MCIA-Level 1: Exam Readiness Workshop

Oct 2022



- Session from 9 am to 4 pm
- Lunch 12:30 PM to 1:30 PM
- 15 Min Breaks in Morning and After Noon

Why are we here today?

- Practical plan of attack/methodology for preparing
- Build your confidence on:
 - Topics most candidates have problems with
 - What areas to focus on for self-study
 - Content/concepts

- [5 days Instructor Lead Anypoint Platform Architecture: Integration Solutions](#)
- [Exam Data Sheet](#)
- [Product Documentation](#)
- [MuleSoft Blogs](#)
- [Knowledge base resources](#)
- [Tutorials & How tos](#)
- [Lightboard Series](#)
- [Friends of Max](#)
- [MCIA Quiz](#)

Topic analysis

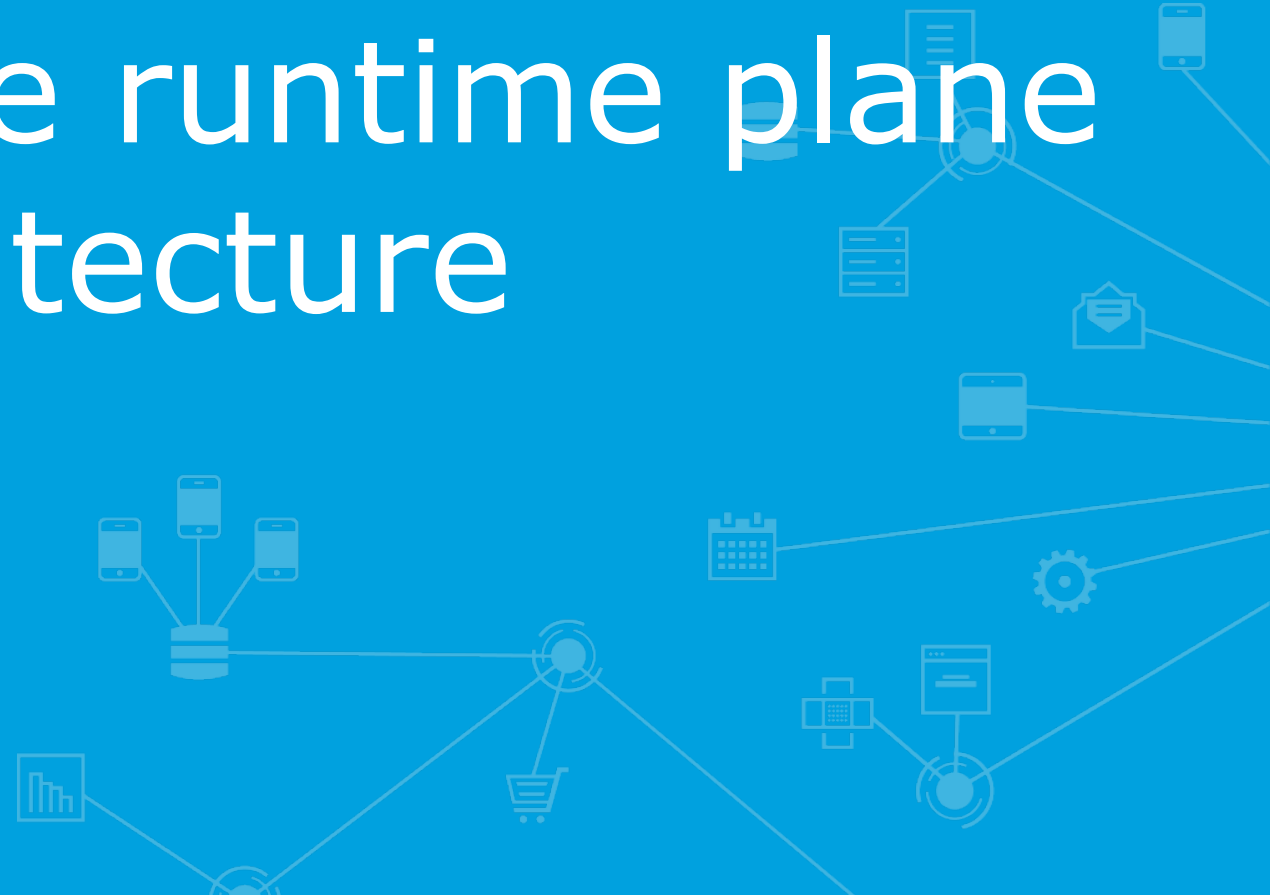


Initiating integration solutions on Anypoint Platform



- 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**

the runtime plane

A network diagram on a blue background. It features several icons connected by thin white lines. The icons include: three mobile phones at the top left; a server rack and a document icon at the top center; a server rack and a document icon at the top right; a document icon with a checkmark at the middle right; a mobile phone at the middle right; a server rack at the bottom left; a shopping cart at the bottom center; a gear at the bottom right; a server rack and a document icon at the bottom right; and a bar chart at the bottom left. The connections form a complex web across the slide.

- 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**

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**

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**
- Select and use the available **sources of metadata** in the **Transform Message component**

- 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**
- Identify **test requirements** and **scenarios** that are best addressed using **integration testing** or **performance testing**

Designing integration solutions to meet persistence requirements



Designing integration solutions to meet persistence requirements



- Design Mule applications using **VM queues** and the **Anypoint VM connector** in **all deployment options**
- Design Mule applications using **Object Stores**, the **OS connector** and **OS services** in **all deployment options**
- Design Mule applications and integration solutions using **stateful components** that may be configured with an **Object Store**

Designing integration solutions to meet reliability requirements



Designing integration solutions to meet reliability requirements



- Select **alternatives** to traditional **transactions (local or XA)** where appropriate and beneficial
- Recognize the purpose and characteristics of **Until Successful scope, reconnection strategies, and redelivery policies**
- Differentiate between **disaster recovery** and **high availability** and the **basic approaches to achieving either** in all **deployment options**
- 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



Designing integration solutions to meet performance requirements



- Design Mule applications and integration **solutions** to meet **performance and capacity goals**
- Design Mule applications using **available streaming features** in Mule
- Design Mule applications to **process large sequences/streams** of messages

Designing integration solutions to meet security requirements



Designing integration solutions to meet security requirements



- Design **secure access** to the **Anypoint Platform control plane** and **APIs**
- Design **secure edge access** using **Anypoint Security**
- Analyze and counteract potential **security vulnerabilities** of Mule applications
- Recognize the **audit logging** capabilities of Anypoint Platform

Applying DevOps practices and operating integration solutions



- Create the **high-level design of CI/CD pipelines** for Mule applications using **MuleSoft-provided Maven plugins**
- Identify the **features** and characteristics for **automating interactions with Anypoint Platform**
- Design the **logging configurations** and **options** of **Mule applications in all deployment options**
- Identify the features and characteristics of **Anypoint Monitoring** in **all deployment options**

Q & A





MuleSoft Certified Integration Architect – Level 1 Certification Exam



- **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 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

- **MuleSoft Certified Platform Architect - Level 1**



- Should be able to define and be responsible for an organization's Anypoint Platform strategy
- The exam validates that an architect has the required knowledge and skills to direct the emergence of an effective application network out of individual integration solutions following API-led connectivity across an organization using Anypoint Platform

- Format: **Multiple-choice, Closed Book, Proctored**
- Delivery: **Online** using your own laptop/webcam, or
~~In person via a Testing Center~~ (not currently)
- Length: **60 questions**
- Duration: **120 minutes** (2 hours)
- Pass score: **70%**
- Language: **English**





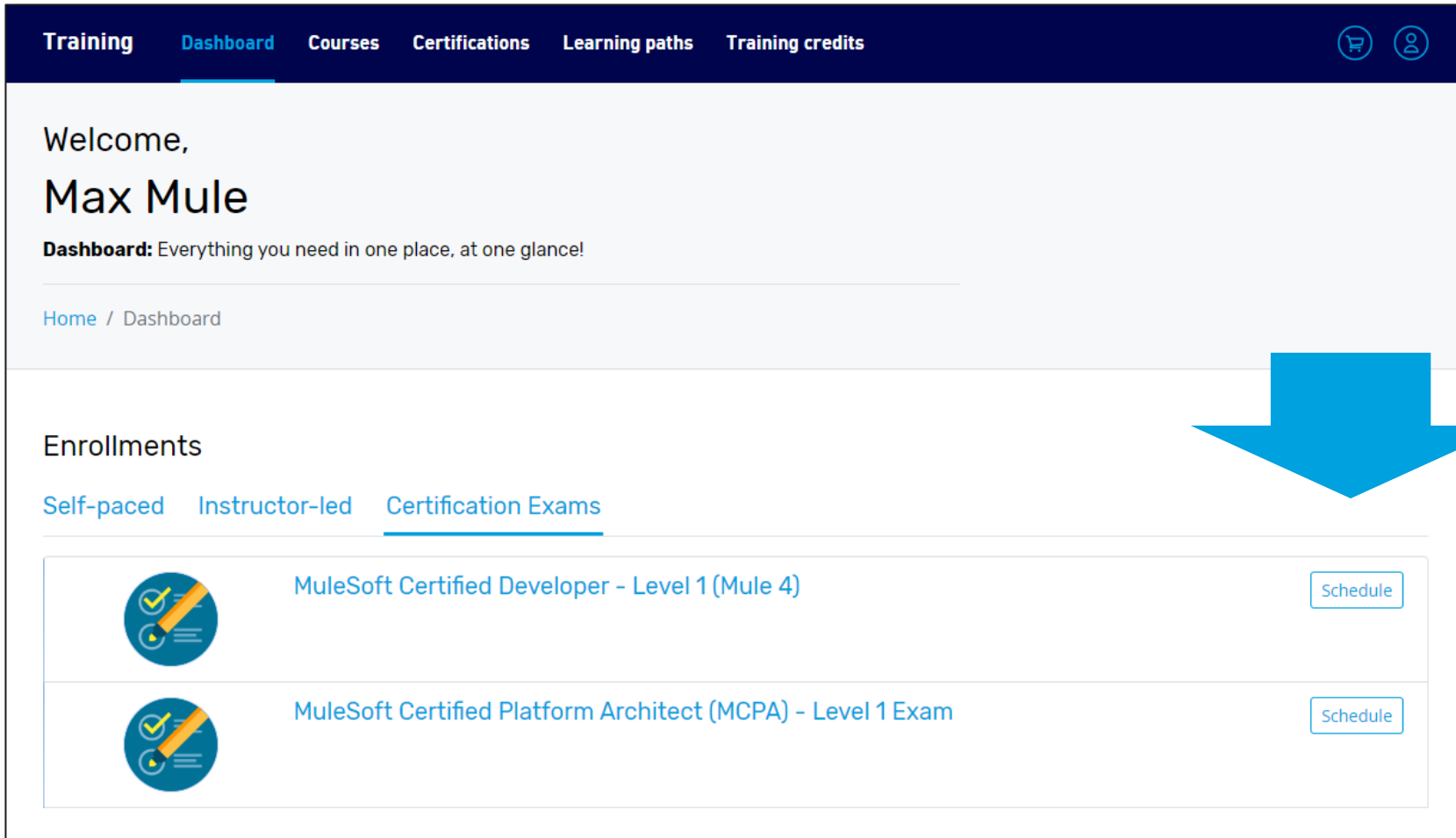
Enrolling and Scheduling





- There are two ways to enroll in an exam:
 1. After completing the Instructor-led Anypoint Platform Architecture: Integration Solutions, you will automatically be enrolled for your first attempt
 2. Click [Certifications](#) in the navigation menu, select the exam you wish to take and purchase the exam
- After enrolling, you must schedule the exam



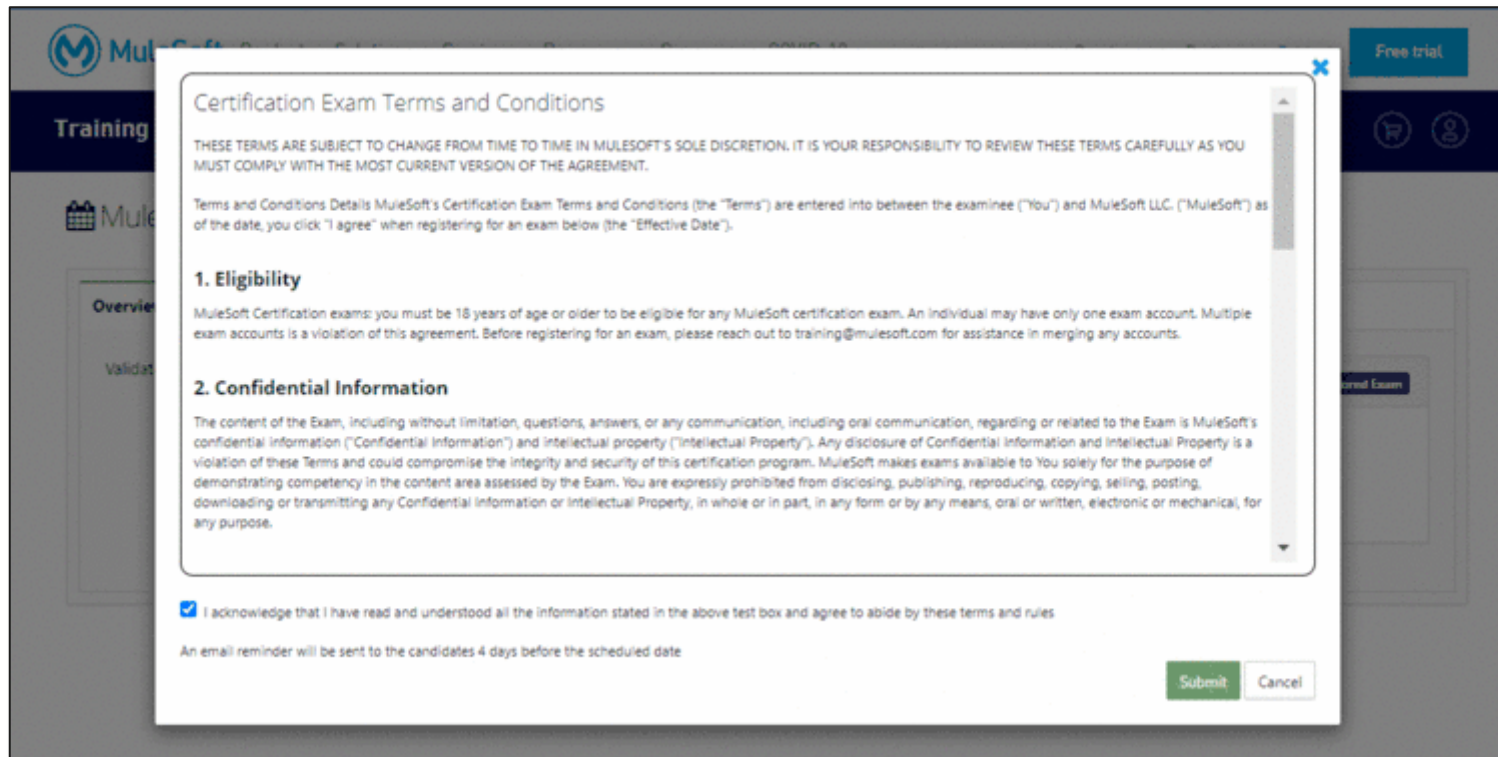
- From your [Dashboard](#), select [Certification Exams](#), then click [Schedule](#)



The screenshot shows the MuleSoft dashboard interface. At the top, a dark blue navigation bar contains links for Training, Dashboard (highlighted), Courses, Certifications, Learning paths, and Training credits. On the right of this bar are icons for a shopping cart and a user profile. Below the navigation bar, the main content area has a light gray header with the text 'Welcome, Max Mule' and a sub-header 'Dashboard: Everything you need in one place, at one glance!'. A breadcrumb trail shows 'Home / Dashboard'. The main section is titled 'Enrollments' and has three tabs: 'Self-paced', 'Instructor-led', and 'Certification Exams' (which is selected and underlined). Below the tabs, there is a list of two certification exams, each with a circular icon containing a checkmark and a pencil. The first exam is 'MuleSoft Certified Developer - Level 1 (Mule 4)' and the second is 'MuleSoft Certified Platform Architect (MCPA) - Level 1 Exam'. To the right of each exam name is a 'Schedule' button. A large blue arrow points from the 'Certification Exams' tab down to the 'Schedule' buttons.

Self-paced	Instructor-led	Certification Exams
		 MuleSoft Certified Developer - Level 1 (Mule 4) Schedule
		 MuleSoft Certified Platform Architect (MCPA) - Level 1 Exam Schedule

- Read all the terms, **acknowledge** that you agree and click **Submit**
- Select a date and click **Find Available Times**
- **Select** a time and click **Schedule** to confirm your time



The screenshot shows a 'Certification Exam Terms and Conditions' dialog box overlaid on a MuleSoft training page. The dialog box contains the following text:

Certification Exam Terms and Conditions

THESE TERMS ARE SUBJECT TO CHANGE FROM TIME TO TIME IN MULESOFT'S SOLE DISCRETION. IT IS YOUR RESPONSIBILITY TO REVIEW THESE TERMS CAREFULLY AS YOU MUST COMPLY WITH THE MOST CURRENT VERSION OF THE AGREEMENT.

Terms and Conditions Details MuleSoft's Certification Exam Terms and Conditions (the "Terms") are entered into between the examinee ("You") and MuleSoft LLC. ("MuleSoft") as of the date, you click "I agree" when registering for an exam below (the "Effective Date").

1. Eligibility

MuleSoft Certification exams: you must be 18 years of age or older to be eligible for any MuleSoft certification exam. An individual may have only one exam account. Multiple exam accounts is a violation of this agreement. Before registering for an exam, please reach out to training@mulesoft.com for assistance in merging any accounts.

2. Confidential Information

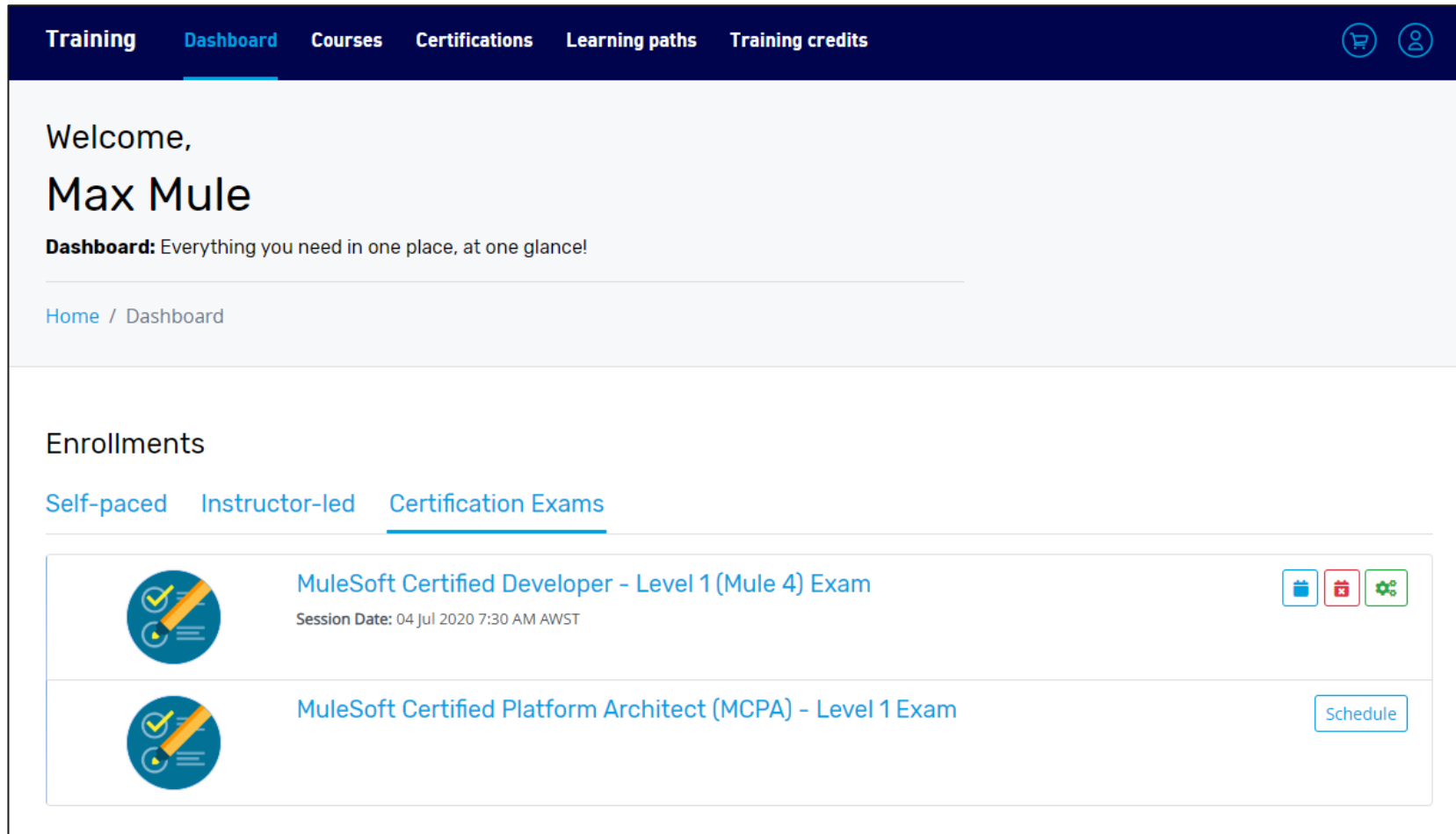
The content of the Exam, including without limitation, questions, answers, or any communication, including oral communication, regarding or related to the Exam is MuleSoft's confidential information ("Confidential Information") and intellectual property ("Intellectual Property"). Any disclosure of Confidential Information and Intellectual Property is a violation of these Terms and could compromise the integrity and security of this certification program. MuleSoft makes exams available to You solely for the purpose of demonstrating competency in the content area assessed by the Exam. You are expressly prohibited from disclosing, publishing, reproducing, copying, selling, posting, downloading or transmitting any Confidential Information or Intellectual Property, in whole or in part, in any form or by any means, oral or written, electronic or mechanical, for any purpose.

☒ I acknowledge that I have read and understood all the information stated in the above text box and agree to abide by these terms and rules

An email reminder will be sent to the candidates 4 days before the scheduled date

Submit **Cancel**

- Once Scheduled, you can **Reschedule**, **Cancel** or **Test Your Equipment**



- If you fail your first attempt, you will be required to wait 24 hours before you can [Schedule](#) your second attempt
- If you fail your second attempt, you may schedule up to three additional attempts
 - Each at a 50% discount
 - Each with same 24-hour waiting period to schedule subsequent attempts



Summary



- Revise any identified topics you are still unsure on in the certification data sheet
- Try the quiz (refer to the link in the cert data sheet to register)
- Schedule it in!

