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

How to Prepare for MCIA Certification

- 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

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**

Designing for the runtime plane technology architecture

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**

Designing architecture using integration paradigms

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

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**

Designing and developing Mule applications

- 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

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

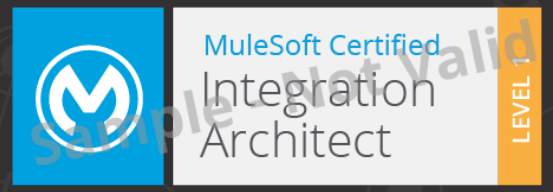
Applying DevOps practices and operating integration solutions

- Create the **high-level design of CI/CD pipelines** for Mule applications using **MuleSoft-provided Maven plug**ins
- 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

MuleSoft Certified Integration Architect – Level 1 Certification Exam



MuleSoft Certified Architect exams

- **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

MuleSoft Certified Developer – Level 1 exam

- 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**

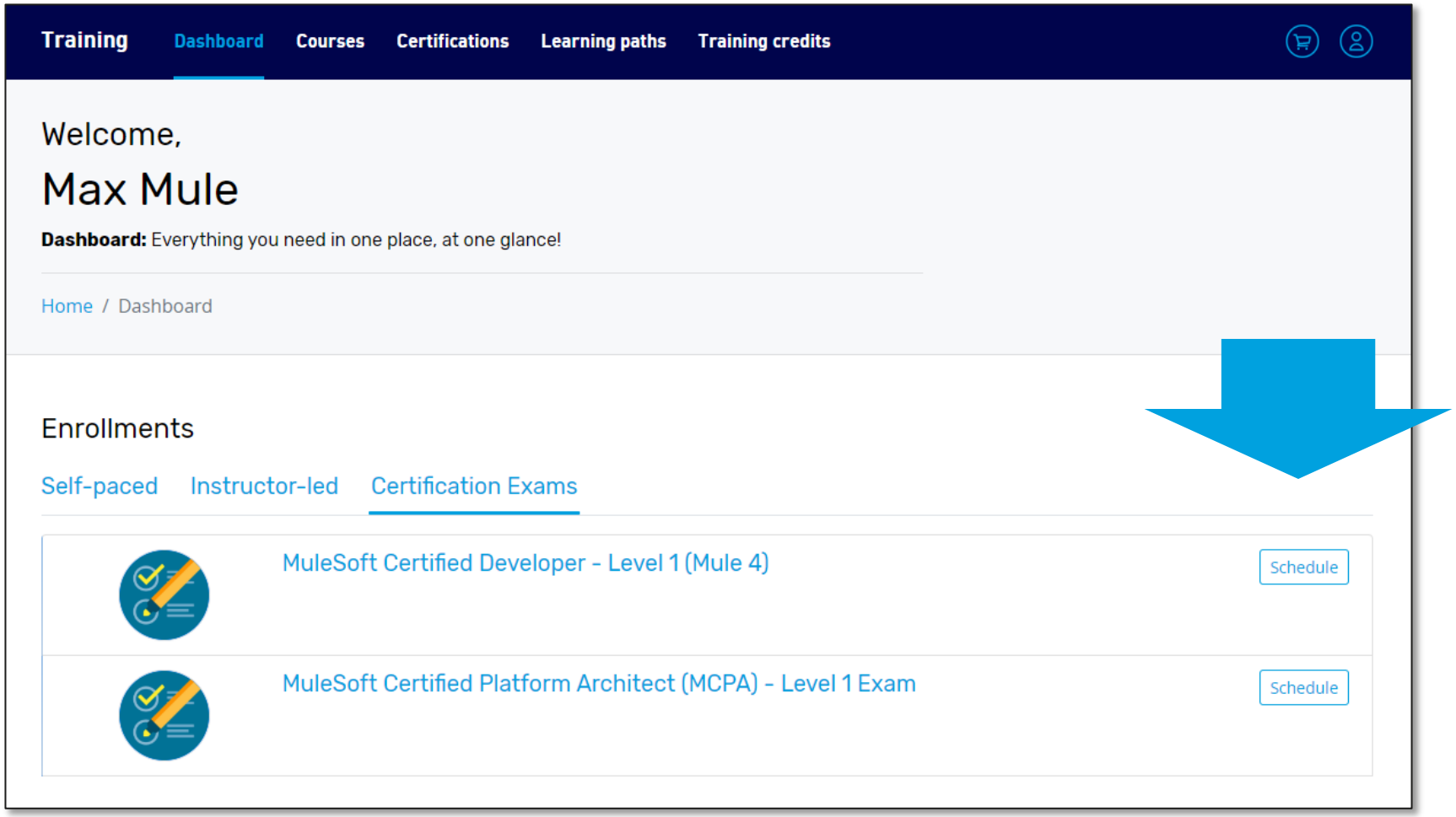
Enrolling and Scheduling

Exam Enrollment (as of courses from June 2020)

- 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

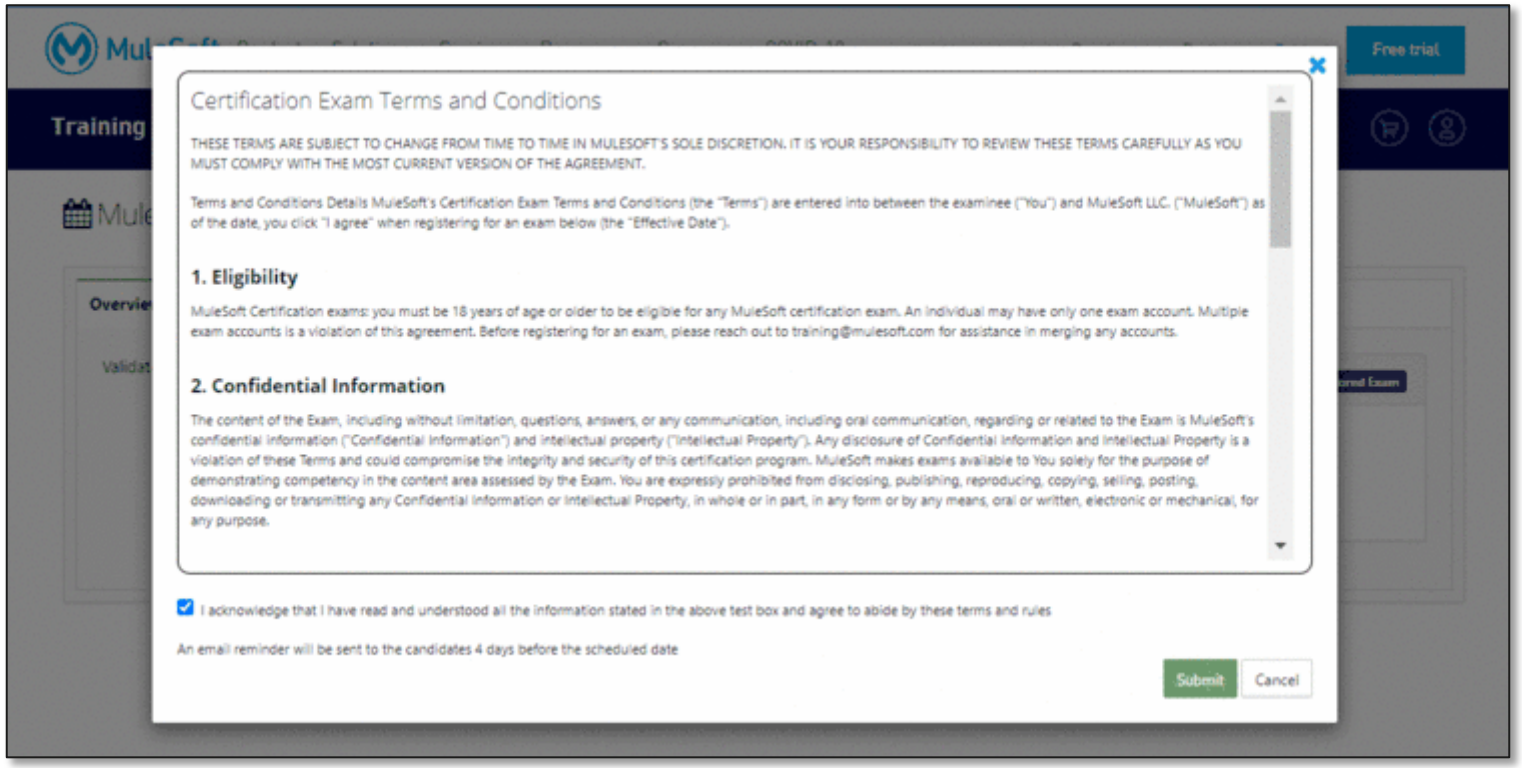
Exam Scheduling

- From your Dashboard, select Certification Exams, then click Schedule



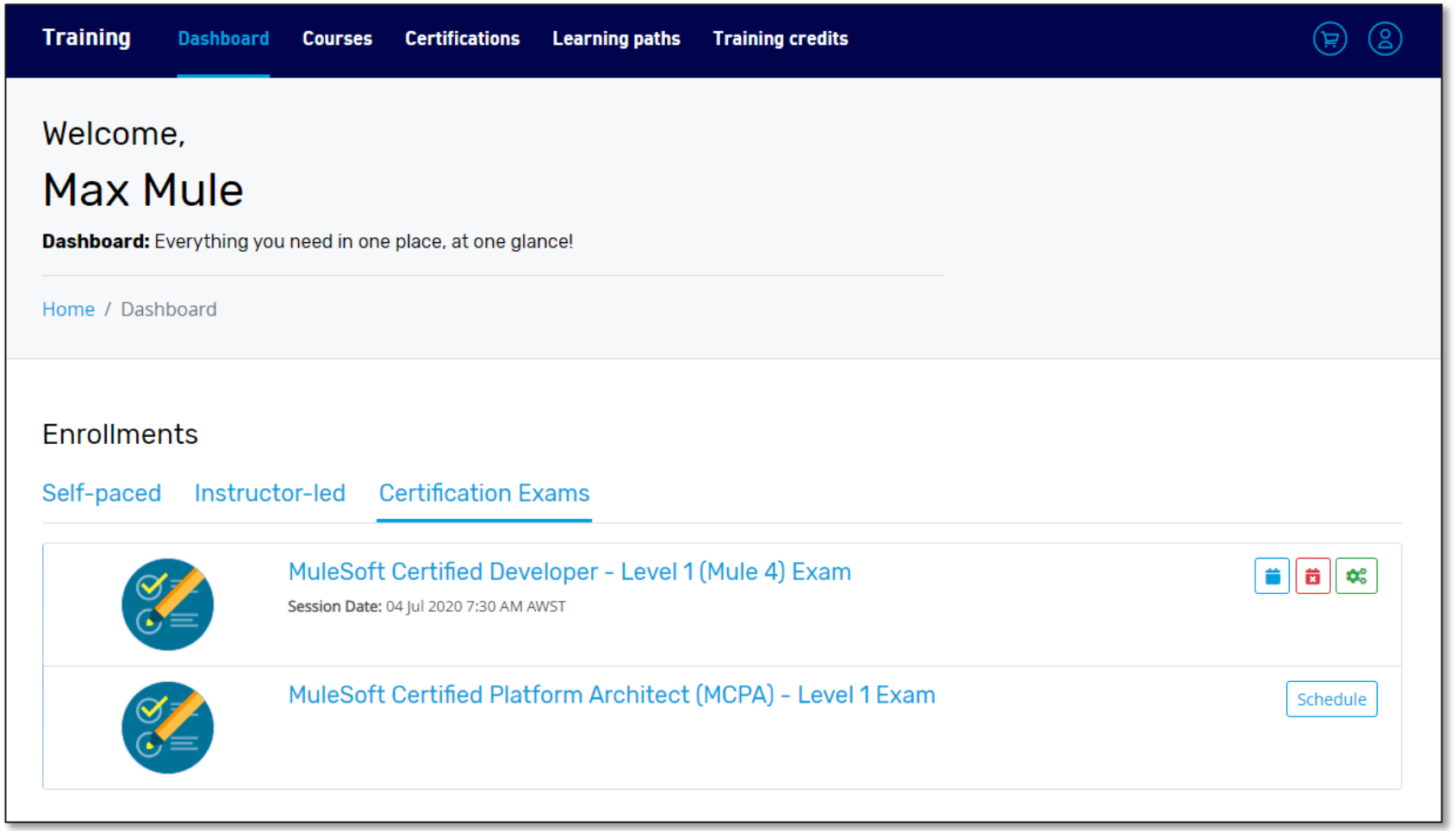
Exam Scheduling

- 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



Exam Rescheduling and Cancellation

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



Exam Scheduling – Additional Attempts

- 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

Next steps

- 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!

Thank you!
and GOOD LUCK ☺