



Module 1

Putting the Course in Context



At the end of this module, you should be able to



- Define **Catalyst**
- Describe how this course is aligned to parts of Catalyst
- Use essential course **terminology** correctly
- Recognize the **ArchiMate 3** notation subset used in course

Understanding the course organization

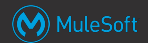





Introducing Outcome-Based Delivery - Catalyst



- **Catalyst** is a holistic **framework and methodology** for enterprise integration delivery proposed by MuleSoft
 - formerly known as OBD - Outcome-Based Delivery
- **Business outcomes**
 - Such as alignment and governance of integration capability delivery
- **Technology delivery**
 - Cross-project platform concerns
 - Project(s) delivery
- **Organizational enablement**
 - Establishment of a Center for Enablement (**C4E**) in the organization
 - **IT support** for Anypoint Platform with help of MuleSoft support organization
 - **Training** of all staff involved in delivering integration capabilities

Introducing Catalyst



	Plan for success	Establish the foundation	Build to scale	Measure impact
 Business outcomes	Business outcomes playbook			
 Technology delivery	Anypoint Platform playbook			
	Projects playbook			
 Org enablement	C4E playbook			
	Internal support playbook			
	Training playbook			




Course content in the context of Catalyst



- Course is **aligned** to the "playbooks" of Catalyst focusing on
 - **Technology** delivery
 - **Anypoint Platform perspective**
 - **Projects perspective**
 - Organizational enablement through the **C4E**

Course content in the context of Catalyst



	Plan for success	Establish the foundation	Build to scale	Measure impact
 Business outcomes	Business outcomes playbook			
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Understanding essential course terminology

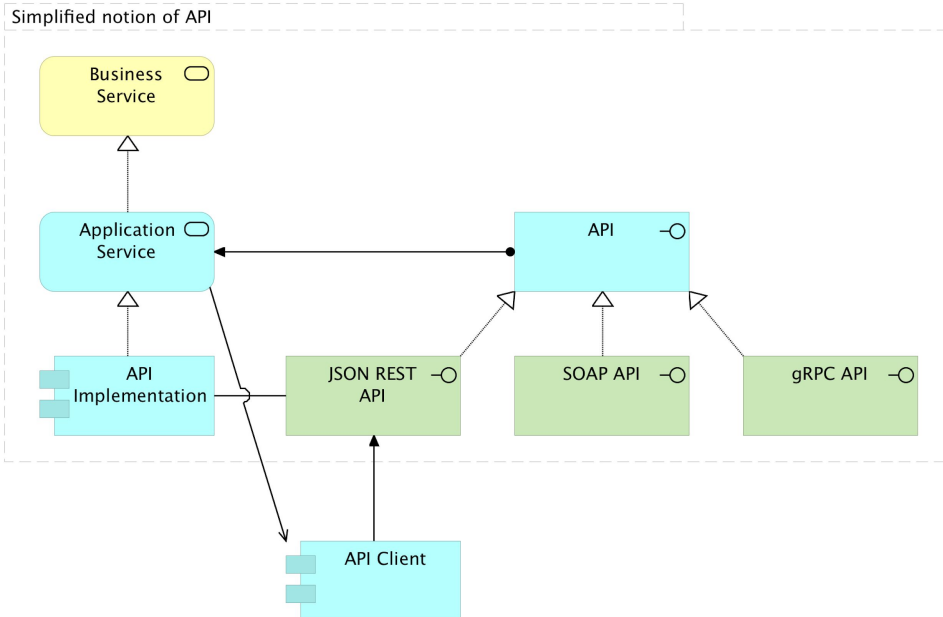


- **Application Programming Interface**
 - A kind of **application interface**
 - To **programmatic** clients
 - Using **HTTP**-based protocols
 - Typically with a well-defined **business purpose**

- An **application component**
- Accesses a service
- by **invoking an API** of that service
 - By definition **over HTTP**

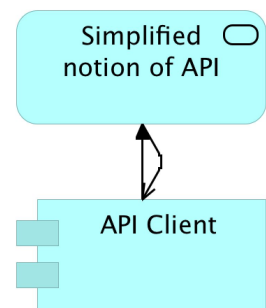
- A business **role**
 - Often assigned to an individual
- **Develops API clients**
 - Performs activities necessary for **enabling an API client to invoke APIs**

- An **application component**
- **Implements** the functionality
- exposed by the service
- which is made accessible via one or more **APIs**
 - By definition to API clients



Simplified notion of API

- Often **API** refers to the **combination** of
 - A **programmatic application interface**
 - The **HTTP-based technology interface** realizing it
 - The **API implementation**
- Such that
 - Experience APIs are shown **invoking** Process APIs
 - In reality it is only the API implementation of the Experience API that depends on the interface of the Process API and, at runtime, invokes its API implementation
 - We say an "API is **deployed** to a runtime"
 - In reality it is the API implementation that is deployed



Summary



Summary



- **Catalyst** is a holistic framework and methodology for enterprise integration delivery:
 - **Business outcomes**
 - **Technology delivery** as platform delivery and delivery of projects
 - **Organizational enablement** through the Center for Enablement (C4E), support for Anypoint Platform and training
- Course is aligned with the **technology delivery and C4E** dimensions of Catalyst

- **API:** an application interface, typically with a business purpose, to programmatic API clients using HTTP-based protocols
 - Sometimes API also denotes the API implementation, i.e., the underlying application component that implements the API's functionality
- **API-led connectivity:** a style of integration architecture that prioritizes APIs and assigns them to three tiers
- **Application network:** the state of an Enterprise Architecture that emerges from the application of API-led connectivity and fosters governance, discoverability, consumability and reuse