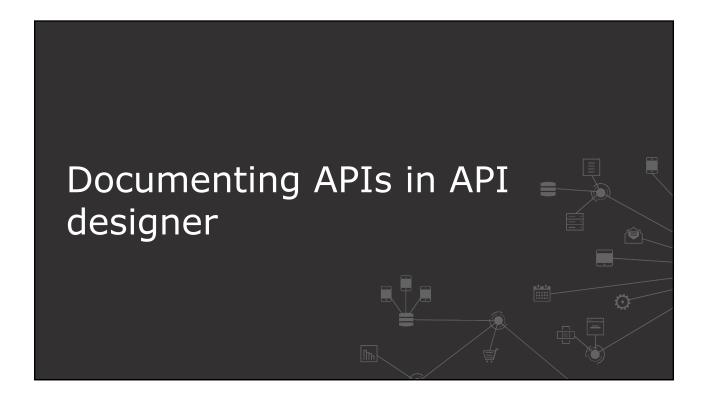


Objectives



- Add documentation and description nodes to RAML definitions
- Use the mocking service to create API endpoints
- Use the API console to test API endpoints

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Documenting APIs using Anypoint Platform



- Three ways to document APIs
 - Provide documentation and description nodes in the RAML API definition
 - This will be added to the API console
 - API Portal (covered in module 8)
 - API Notebook (covered in module 8)

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Creating documentation in RAML 1.0



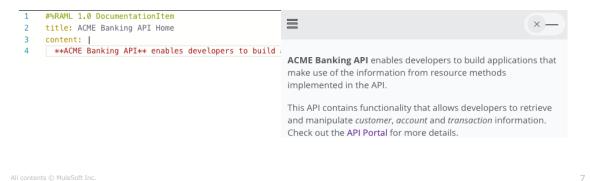
- Documentation can be
- Added inside the RAML API definition
 - Referenced as another RAML file outside the API definition, as a fragment
- A documentation fragment consists of a title and content node
 - Serves as a user guide and reference for the API
 - Explains how the API works by providing technical and business context
- Multiple documentation fragments can be referenced inside a RAML API definition

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Walkthrough 7-1: Add a documentation fragment to a RAML API definition



- Create a documentation fragment
- Link the documentation fragment to the main RAML definition file
- Link multiple documentation fragments to the documentation node in the RAML API definition



Adding description and displayName nodes to API definitions



- A description node
 - Is a substantial, human-friendly description of a resource, method, datatype, etc.
 - Can be a string and can be formatted using Markdown
- A displayName node
 - Is an alternate, human friendly name for a resource
 - It can be used with resource methods, example and type nodes too

```
/customers:

get:

description: Retrieve a list of customers

displayName: Get all customers
headers:
    Accept?:
```

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Walkthrough 7-2: Add description nodes to resource MuleSoft methods Add descriptions to resource methods Add displayName to resource methods Add descriptions to URI parameters Add description and example nodes to request and response headers /customers: 12 13 get: description: Retrieve a list of customers /{customer_id}: get 15 displayName: Get all customers 16 headers: Retrieve a customer with a specific customer ID 17 Accept?: Request GET /customers/{customer_id} All contents © MuleSoft Inc



Enabling the mocking service



- Mocking service is a part of the API console
- · Creates a mocking server to test API endpoints using the API console
- When the mocking service is turned on, a baseUri node is appended to the RAML API definition
 - It forms the base of the URLs of each of the API resources
 - baseUri can contain the mock server URL or actual API implementation URL

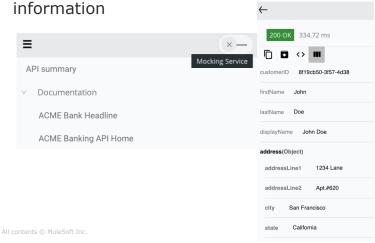
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Walkthrough 7-3:Use the mocking service in API console to test an API



- Enable the mocking service in the API console
- Test the resource methods in the API console to see the response





Summary



- There are several ways of documenting APIs API Portal, API Notebook and adding documentation fragments in API definition
- Documentation added to the RAML definition appears in the API console
- Documenting allows key stakeholders to give valuable feedback during API lifecycle design
- API console and mocking service allows rapid prototyping of the API design

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