REST API Proxy

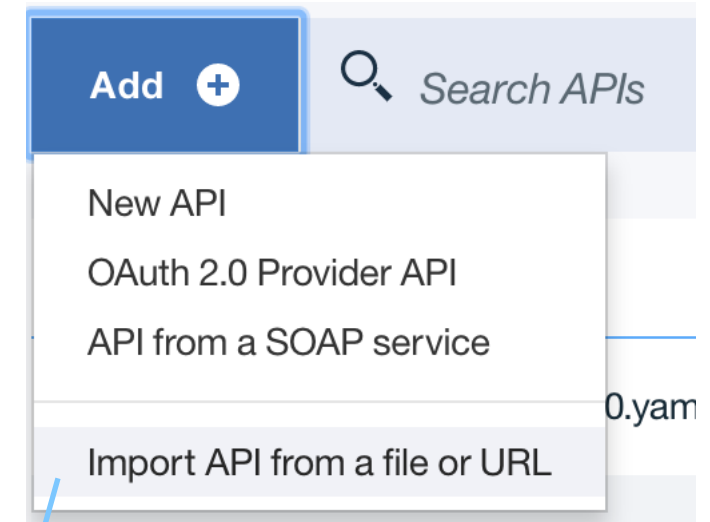## Hybrid Integration Enablement

October 2017

IBM

REST API PROXING

Use Case: I have existing REST Services I would like to put under API Management

Use Case: We have many REST Service APIs that are not document

Importing Service API…

- Start with blank definition
- Import from Swagger file
- Fix if needed to fit API Connect Specification

- Quickest Way to get started if existing APIs exist.

Add ⊕   🔍 *Search APIs*

New API
OAuth 2.0 Provider API
API from a SOAP service

Import API from a file or URL

0.yam

✕

Import OpenAPI (Swagger)

⬆ Select an OpenAPI (Swagger) file to import: **Select File**

Or import from URL...

☐ Add a product

Service APIs mirror Target

- Browse to the **Assemble** and view **Invoke**

- Original Service paths are imported from Swagger

- Invoke is ready to proxy Paths against Service

Schemes

Host

Base Path

Consumes

Produces

Lifecycle

Policy Assembly

Security Definitions

Security

Extensions

Properties

Paths

  /Uploads

  /Uploads/{container}

  /Uploads/{container}/files

  /Uploads/{container}/files/{...

  /Uploads/{container}/upload

  /Uploads/{container}/downl...

Analytics

Parameters

Definitions

  x-any

Services

Title

Description

URL *
$(runtime-url)$(request.path)$(request.search)
The URL to be invoked.

☐ Access URL through Secure Gateway

Access the URL through a Secure Gateway. The gateway is set when the API is moved from staged state to published state.
TLS Profile

The TLS Profile to use for the secure transmission of data.
Timeout

Time to wait before a reply back from the endpoint. Default is 60 seconds.
Username

The username to use for HTTP Basic authentication.
Password

The password to use for HTTP Basic authentication.

HTTP Method *

The HTTP method to use for the invocation. If omitted or set to

Creating Interaction API..

- Start with blank definition
- Gather existing endpoint
- Few Other Steps include:
  - Enter Path(s)
  - Set Security
  - Set Properties for Server
  - Test
  - Add policies if needed.

Lifecycle

Policy Assembly

Security Definitions

Security

Extensions

Properties

Paths

   /list/map

   /list

   /list/xml

   /list/short

Analytics

Parameters

Definitions

   responsedata

Title
Country API Invoke

Description

URL *
$(api.properties.endpoint-server)
The URL to be invoked.

☐ Access URL through Secure Gateway

Access the URL through a Secure Gateway. The gateway is set when the API is moved from staged state to published state.
TLS Profile

The TLS Profile to use for the secure transmission of data.
Timeout

Time to wait before a reply back from the endpoint. Default is 60 seconds.
Username

The username to use for HTTP Basic authentication.
Password

The password to use for HTTP Basic authentication.

HTTP Method *

The HTTP method to use for the invocation. If omitted or set to

Using Properties

- Helpful to setup proper DevOps between endpoint versions
- Helpful when multiple invoke scenarios (interaction aPIs)
- Values can be toggled by Catalog (Dev, QA, Prod)

endpoint-server

Property Name *

endpoint-server

☐ Encode

Description

Define catalog specific values for this property below

Add value ➕

Catalog	Value
Default	http://services.groupkt.com/country/get/all
staging	http://services.groupkt.com/country/get/all

Rest API Questions

- Open Conversation / Questions?

Up Next: SOAP API Proxy

Complete Lab 2