

Práctica MuleSoft Trainee

24.10.2022

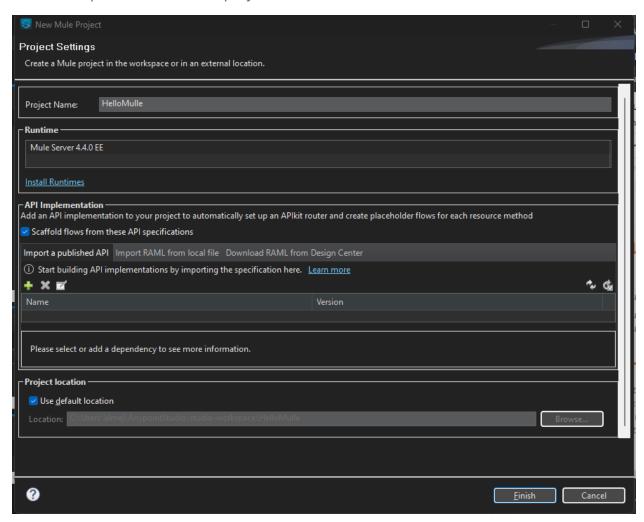
Nely Hernández García

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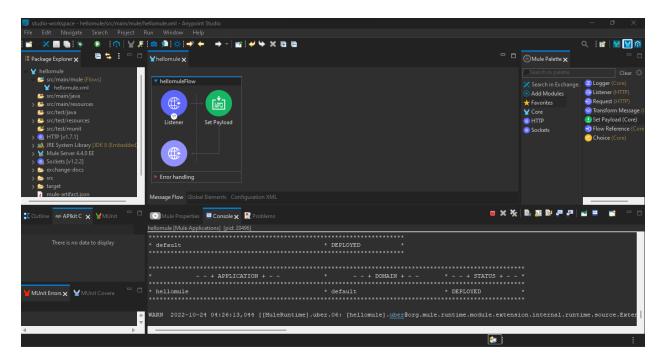
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Build your first Hello Mule application

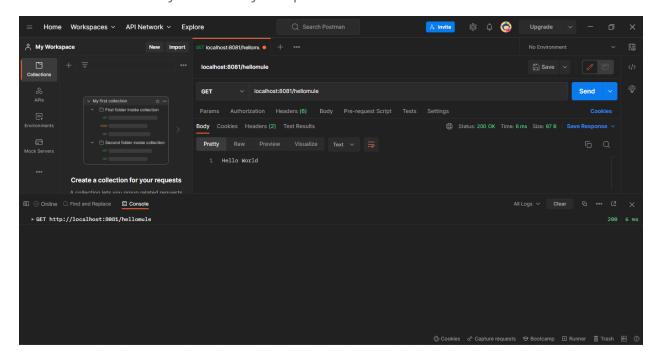
The first step was to create the project HelloMule



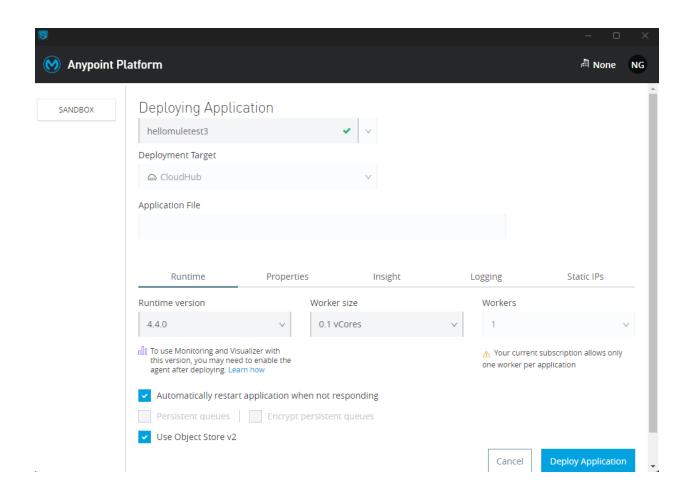
Then I added the listener and the set payload

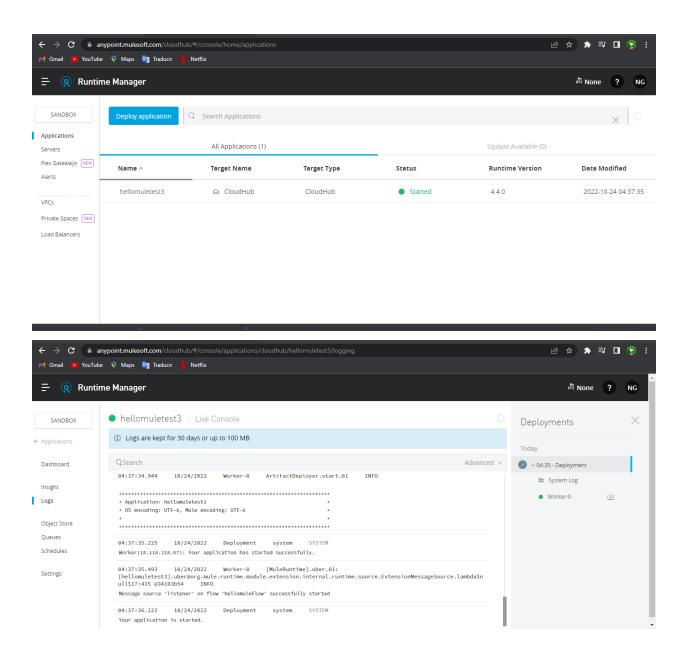


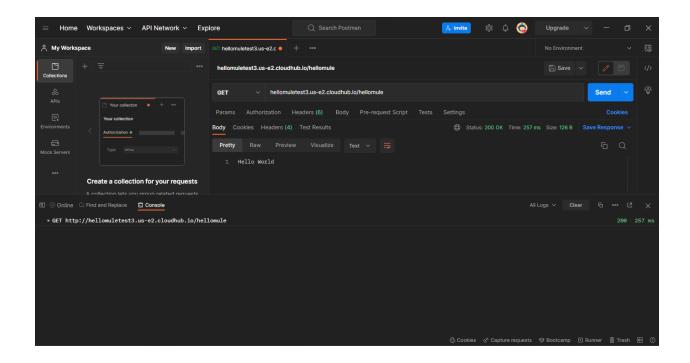
I changed the settings of the payload to "Hello Mule" and the path of the listener so I could get a response from the Postman GET response which retrieved a "Hello Mule". That's how I knew I had successfully finished my first practice.



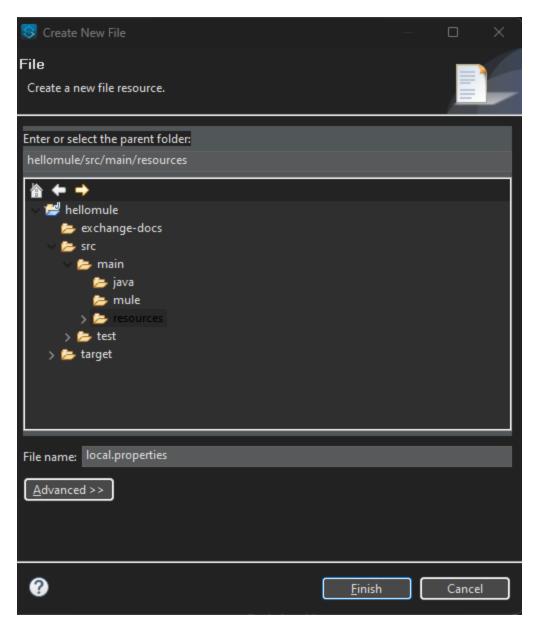
This meant it was time to deploy it on CloudHub. The application ran successfully and I could test it with Postman using the hellomuletest3.us-e2.cloudhub.io/hellomule address and retrieving a "Hello Mule".



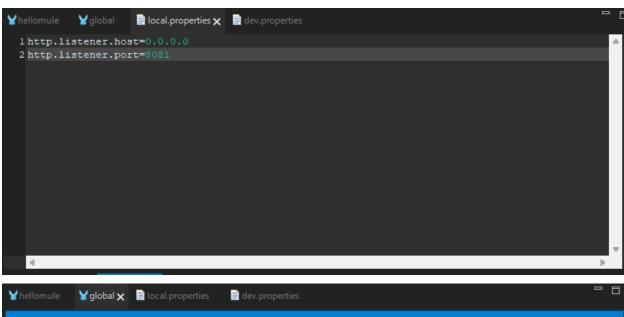


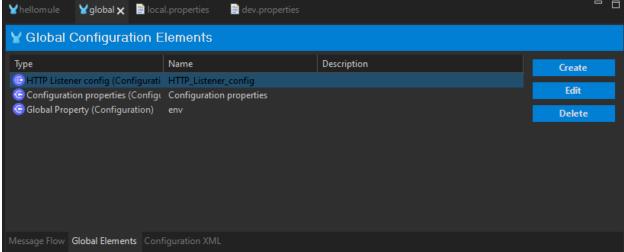


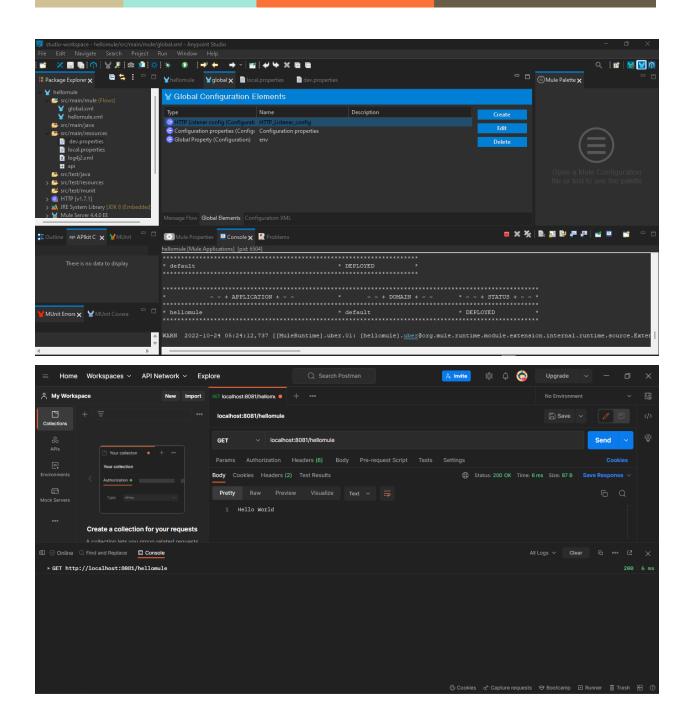
How to set up your global elements and properties files in Anypoint Studio



Then it was time to create the global elements which are a good practice in programming, keeping everything neat and organized. For that I created the local and dev properties files in which I set the port and host to avoid hardcoded values. Finally, I deployed my app and I got a positive result on Postman.



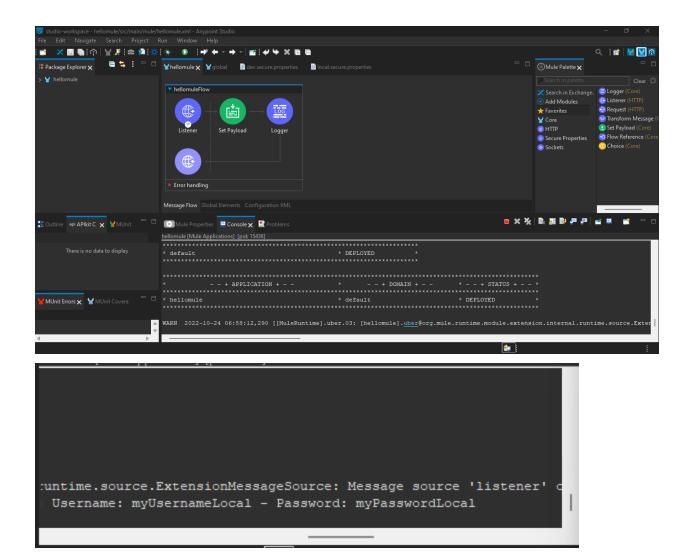


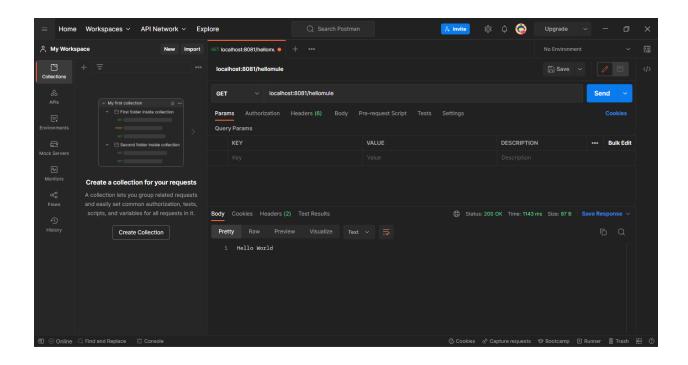


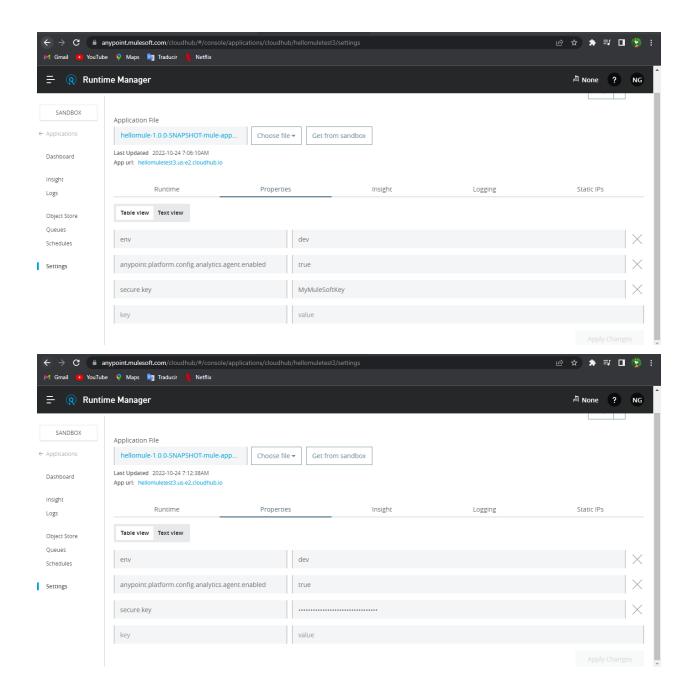
How to secure properties before deployment in Anypoint Studio

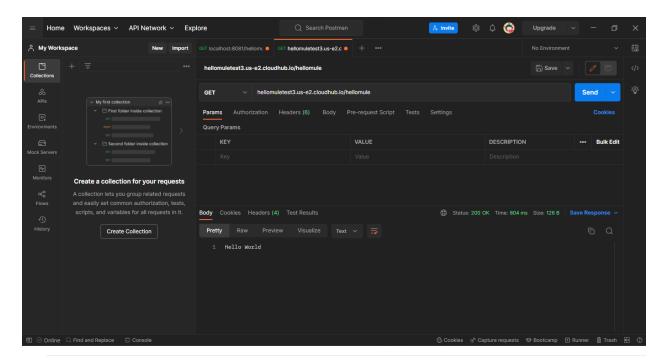
In this part I learned that the java version is important, even I could generate my keys using Java 16 I could not deploy the app as the studio-workspace jdk was not matching with my java version. However everything was a success since I could secure my properties and deploy it on CloudHub and get a response on Postman.

C:\WINDOWS\system32\cmd.exe —		×
C:\Users\almej\OneDrive\Escritorio>java -cp secure-properties-tool.jar com.mulesoft.tools.SecurePropertiesTool crypt Blowfish CBC MyMuleSoftKey "myUsernameLocal" HbsuWJRjiubchmzQREGdsA==	string	en
C:\Users\almej\OneDrive\Escritorio>java -cp secure-properties-tool.jar com.mulesoft.tools.SecurePropertiesTool crypt Blowfish CBC MyMuleSoftKey "myPasswordLocal" zhoritn2db6Ud+9QuhyViQ==	string	en
C:\Users\almej\OneDrive\Escritorio>java -cp secure-properties-tool.jar com.mulesoft.tools.SecurePropertiesTool crypt Blowfish CBC MyMuleSoftKey "myUsernameDev" HbsuWJRjiuZZis+2oogkdQ==	string	en
C:\Users\almej\OneDrive\Escritorio>java -cp secure-properties-tool.jar com.mulesoft.tools.SecurePropertiesTool crypt Blowfish CBC MyMuleSoftKey "myPasswordDev" zhoritn2db6oII22158LPQ==	string	en
C:\Users\almej\OneDrive\Escritorio>		



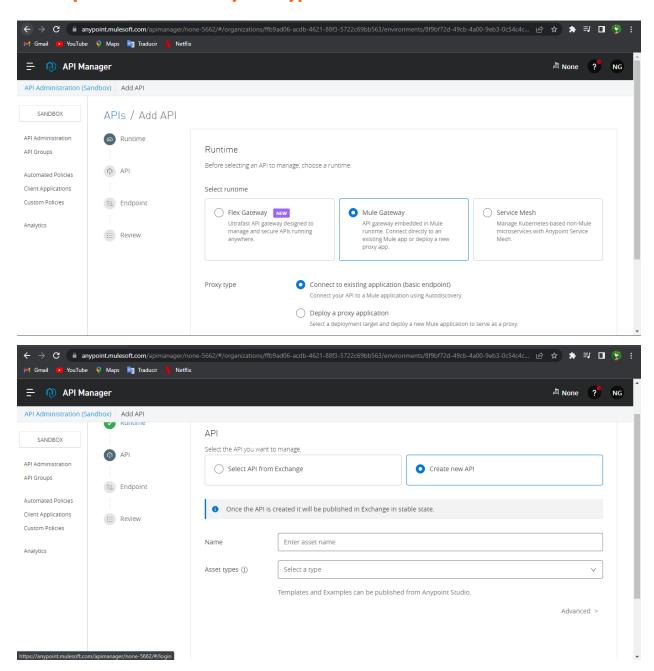


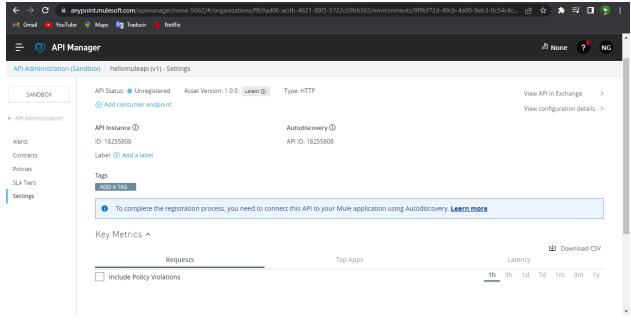


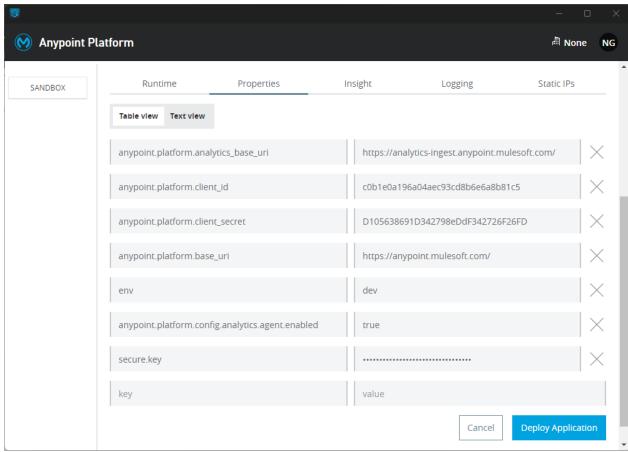


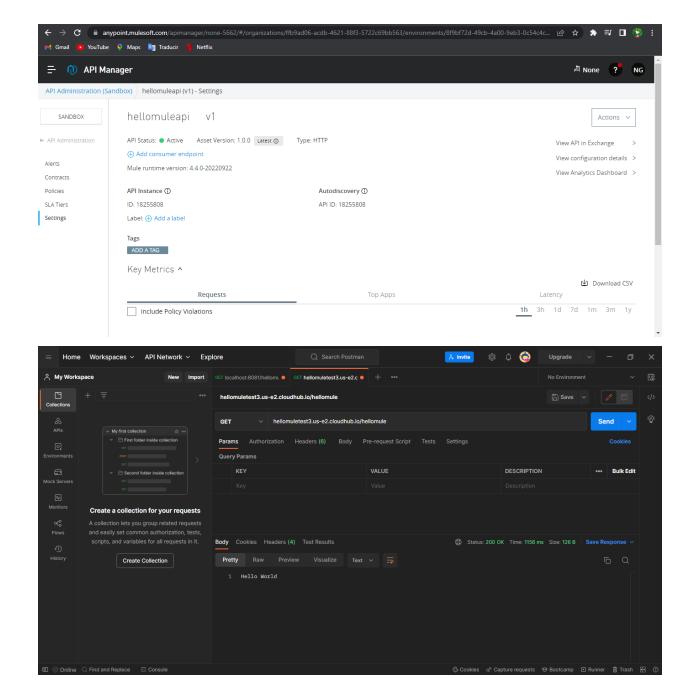
event:f068ea70-539a-lled-89f4-0a54ed19850e Username: myUsernameDev - Password: myPasswordDev

How to set up API Autodiscovery in Anypoint Studio



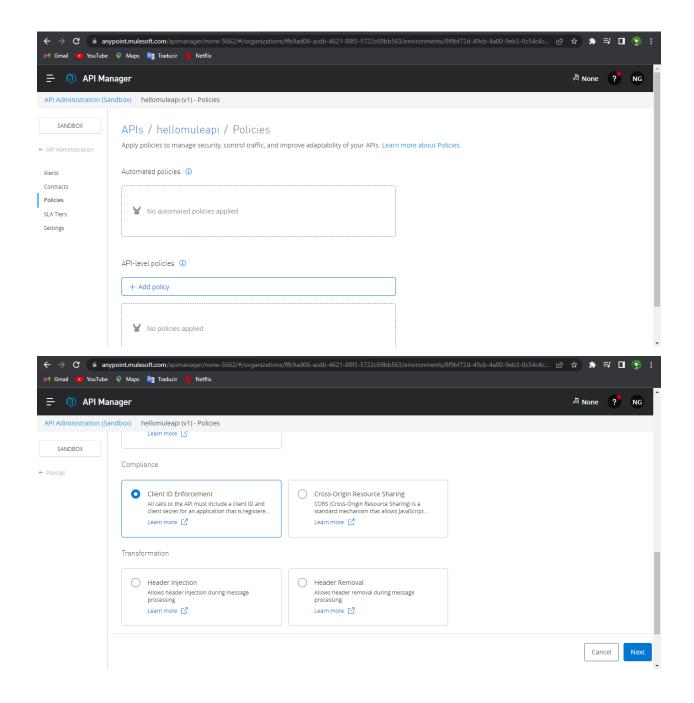


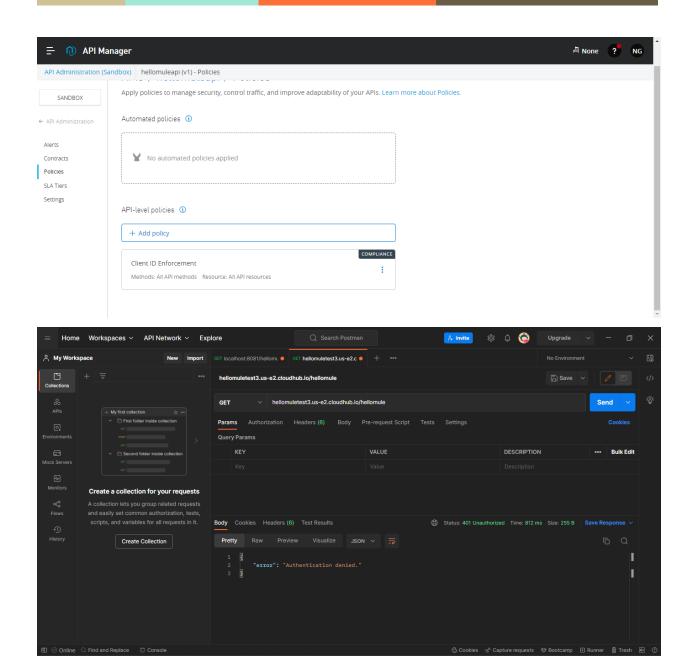


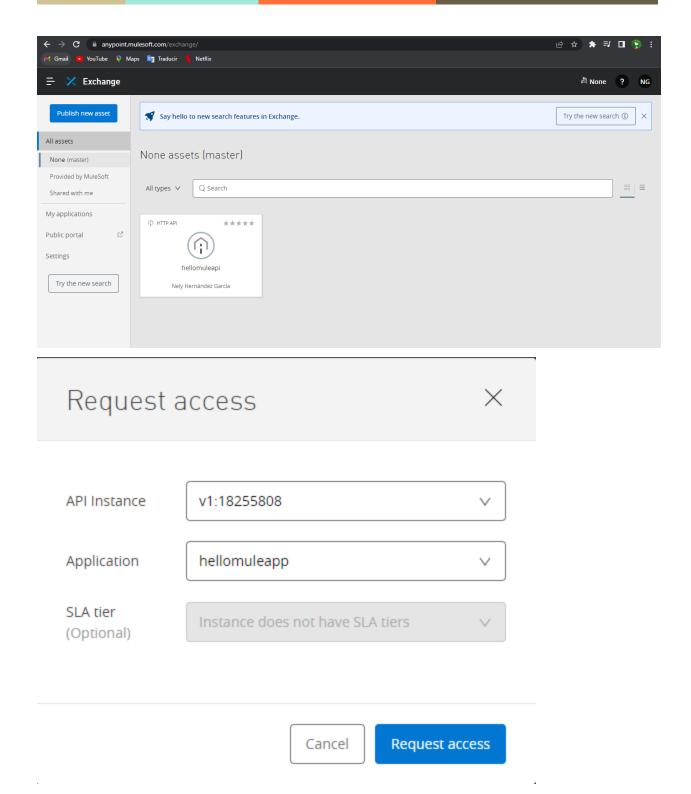


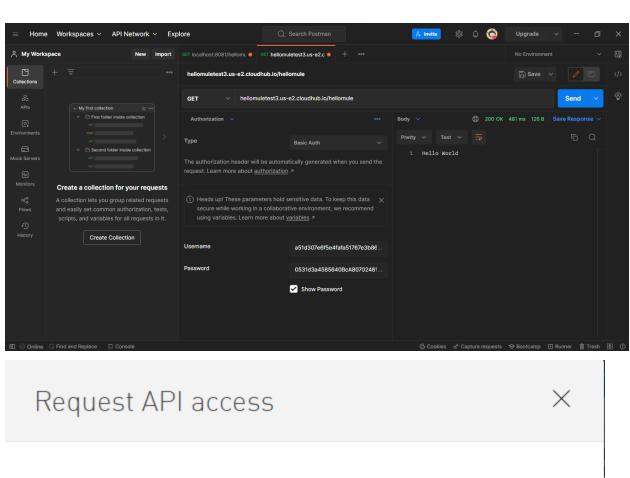
Even though the environment was a bit different from the one shown on the tutorials I managed to set my first API up and seeing it active on CloudHub.

API design best practices and applying client ID enforcement









Your request has been received and approved.

Use this client ID and client secret to access the requested API instance. You can always find these values at the application page.

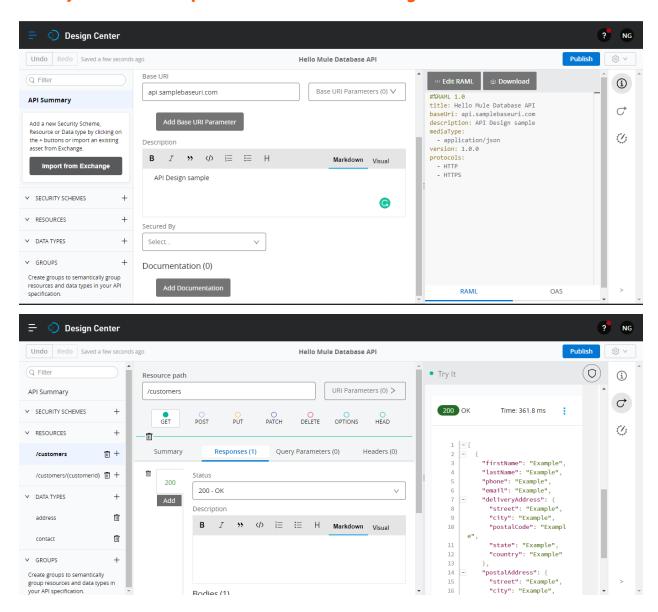
Client ID: a51d307e6f5e4fafa51767e3b86a8cdb **Client Secret:** 0531d3a4585640BcA807024612C13851

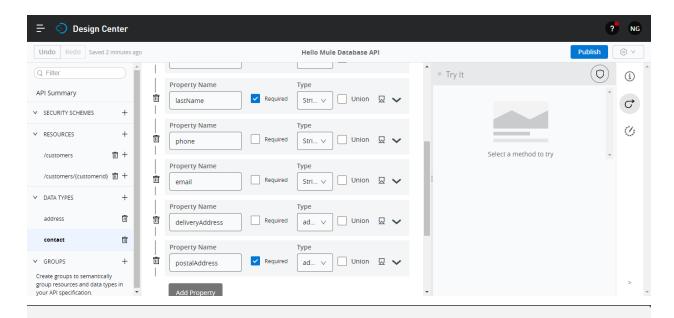
Close

Best practices to design your first API Specification

During this practice I could use the best practices tips while naming the files and using the methods http and https.

Build your first API Specification with API Designer





Publishing to Exchange

Asset version (required)

1.0.0

API version (required)

1.0.0

LifeCycle State



Stable

State of release, ready to consume

About asset versioning

To publish to Exchange, please, use Semantic Versioning. Examples of good versions are 1.0.0 or 4.3.1.

More help

- Changing a project's main/root file
- · What is an API version?

The lifecycle state of an asset shows its status in the software development lifecycle, from development to stable releases to deprecation.

Cancel

Publish to Exchange

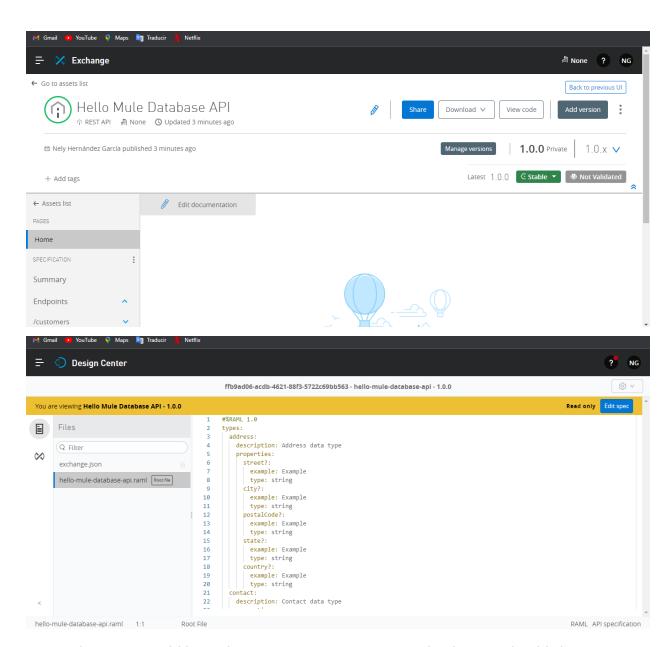
Publishing to Exchange

Published to Exchange.

Your API specification is now available to the target audience.

See the asset page in Exchange.

Close



During this step I could have the opportunity to create my database and publish it.

How to configure an HTTPS endpoint in Anypoint Studio

Creating the jks key

```
C:\WINDOWS\system32\cmd.exe
C:\Users\almej\AnypointStudio\studio-workspace\hellomule\src\main\resources>keytool
-genkey -keyalg RSA -alias mulekey -keystore mulekey.jks
Introduzca la contraseña del almacén de claves:
Volver a escribir la contraseña nueva:
¿Cuáles son su nombre y su apellido?
 [Unknown]: nely
¿Cuál es el nombre de su unidad de organización?
 [Unknown]: none
Cuál es el nombre de su organización?
 [Unknown]: none
Cuál es el nombre de su ciudad o localidad?
 [Unknown]: Pachuca
Cuál es el nombre de su estado o provincia?
 [Unknown]: Hg
¿Cuál es el código de país de dos letras de la unidad?
 [Unknown]: 52
¿Es correcto CN=nely, OU=none, O=none, L=Pachuca, ST=Hg, C=52?
[no]: yes
¿Cuáles son su nombre y su apellido?
 [nely]: nely
¿Cuál es el nombre de su unidad de organización?
 [none]: none
¿Cuál es el nombre de su organización?
 [none]: none
¿Cuál es el nombre de su ciudad o localidad?
 [Pachuca]: Pachuca
¿Cuál es el nombre de su estado o provincia?
 [Hg]: Hg
¿Cuál es el código de país de dos letras de la unidad?
 [52]: 52
¿Es correcto CN=nely, OU=none, O=none, L=Pachuca, ST=Hg, C=52?
 [no]: si
Introduzca la contraseña de clave para <mulekey>
       (INTRO si es la misma contraseña que la del almacén de claves):
Volver a escribir la contraseña nueva:
Warning:
El almacén de claves JKS utiliza un formato propietario. Se recomienda migrar a PKC
S12, que es un formato estándar del sector que utiliza "keytool -importkeystore -sr
ckeystore mulekey.jks -destkeystore mulekey.jks -deststoretype pkcs12".
```

GITHUB LINK:

https://github.com/nelyher98/HelloMule.git