

Connecting Two DataSources/Sending of Data from an API to Other API

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PROCEDURE:

- Login to Bluemix.
- Create an Instance of Compose & Connect.
- Open it. Click on Compose

Dashboard - IBM Bluemix

Problems on Age - Solved...

https://console.ng.bluemix.net/?direct=classic#/resources/serviceGuid=12f55f8a-89ad-4f51-839b-a93

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DASHBOARD SOLUTIONS CATALOG PRICING DOCS COMMUNITY

Back to Dashboard... Connect & Compose-d5

Create a Connection API

Start creating your API by providing a name and description. Then add a connection and model.

API Name
Sample

Description

ADD A CONNECTION

ADD A MODEL

Base URL

- Click on Add a Connection.
- Select the Available Services--> Next

Dashboard - IBM Bluemix

Problems on Age - Solved...

https://console.ng.bluemix.net/?direct=classic#/resources/serviceGuid=12f55f8a-89ad-4f51-839b-a93

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Back to Dashboard... Connect & Compose-d5

Choose the type of connection you want your API to access.

NEXT CANCEL

Bluemix Services

SQL Database Cloudant

Enterprise

DB2 SAP HANA SAP

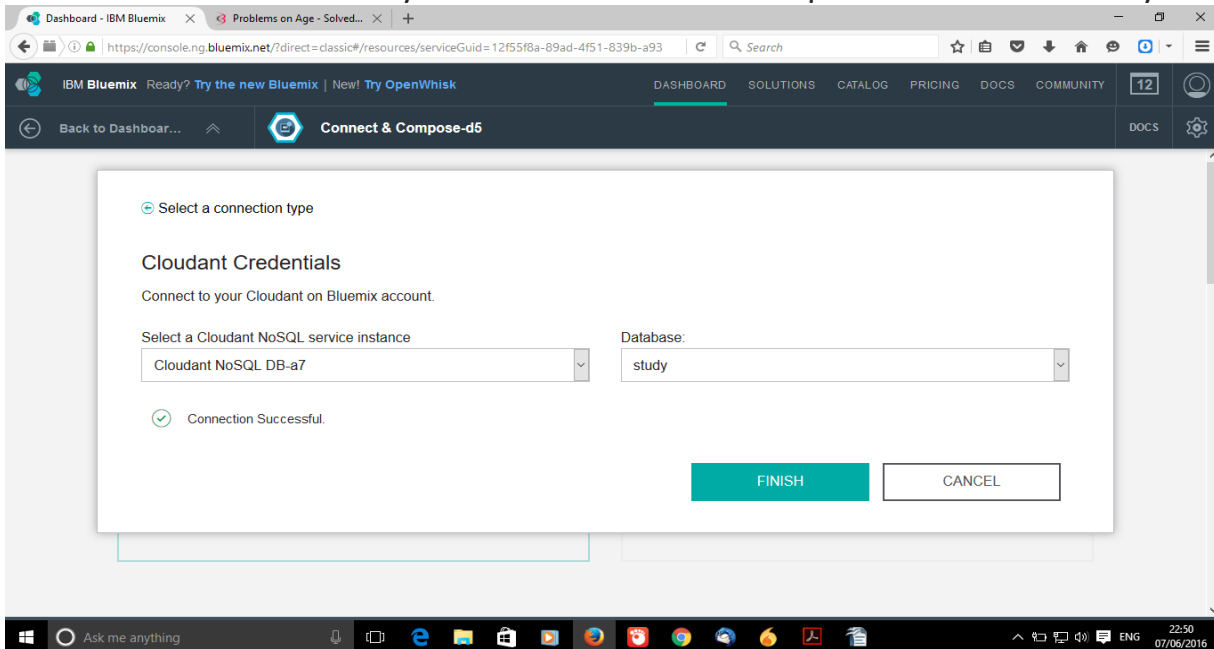
MySQL Oracle EBS MongoDB

PostgreSQL

Cloud

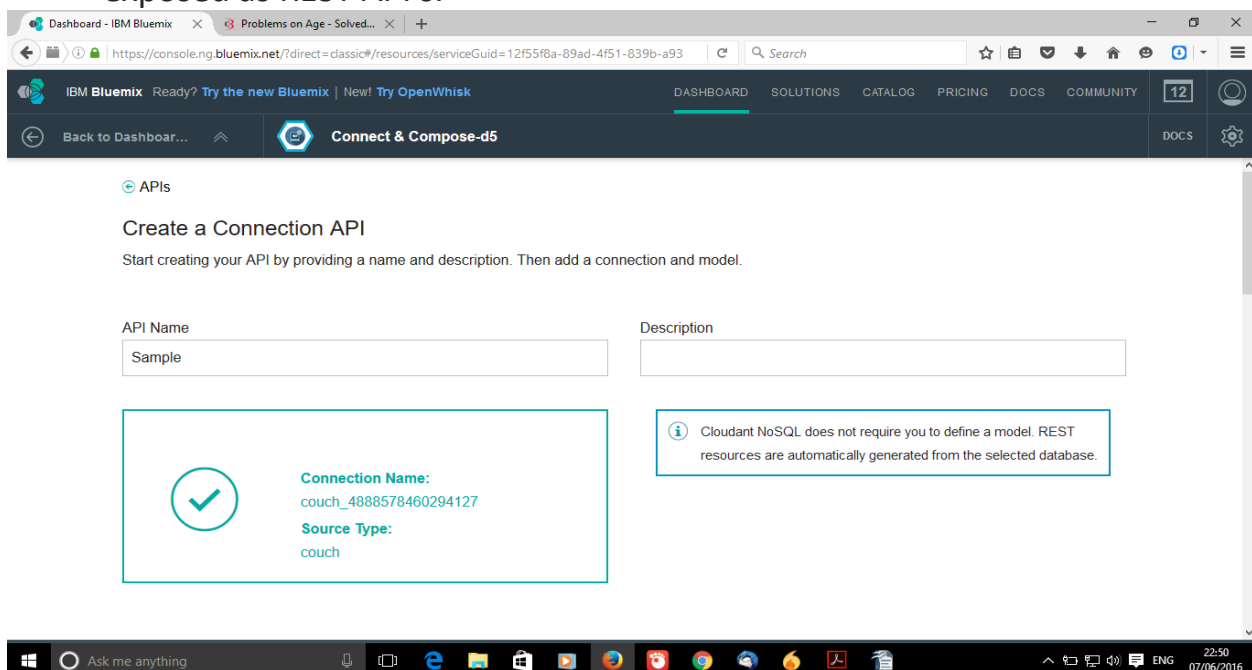
Salesforce

Select the Service Instance you've created before and provide the Database you

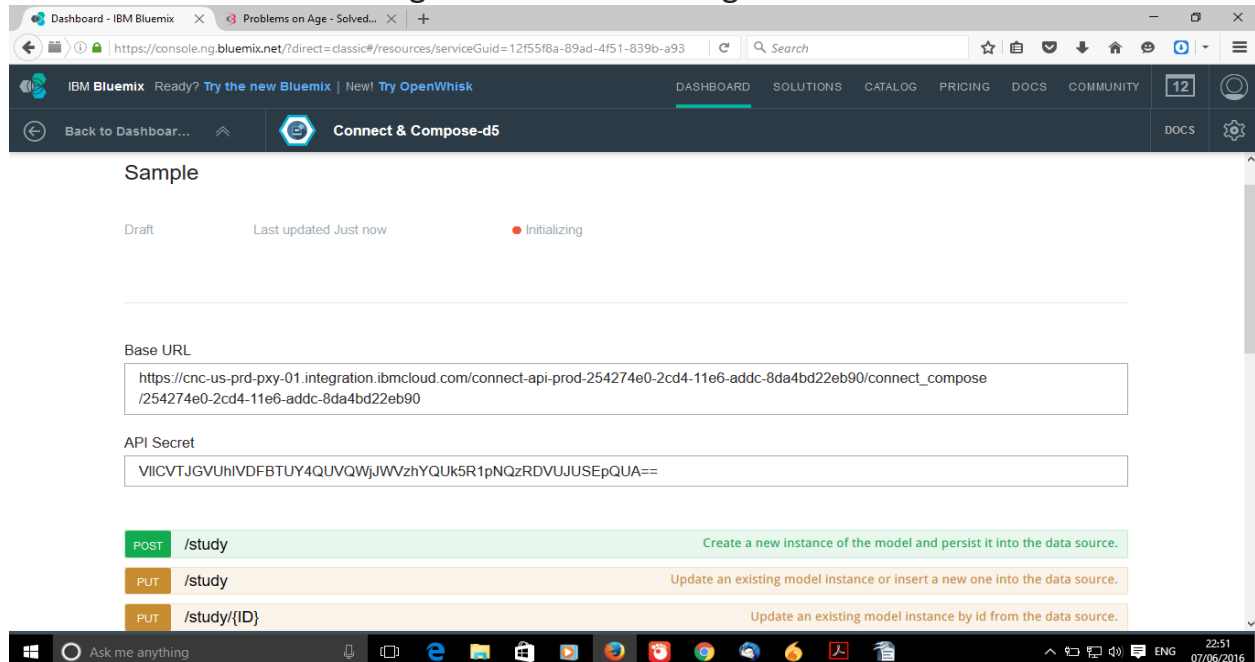


need to connect. Click Finish.

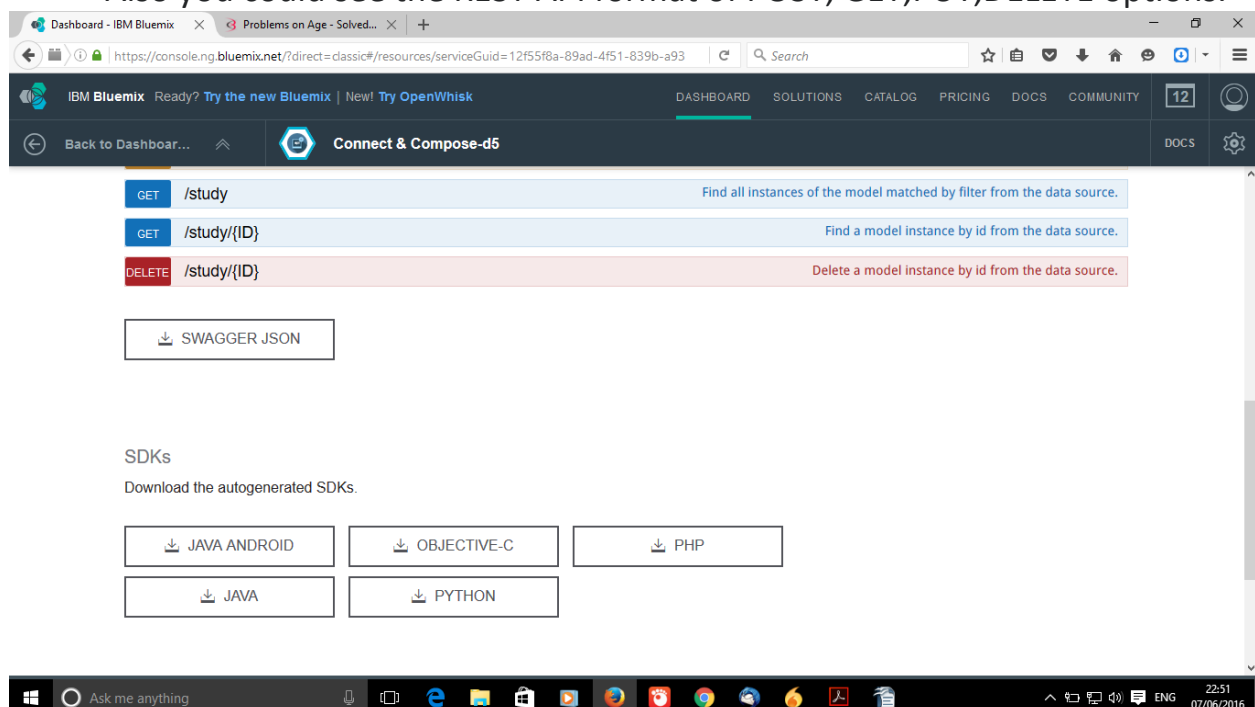
- You'll find a Widget "Connection is Successful".
- For a NoSQL datasource there is no need to provide Model. They are usually
- exposed as REST API's.



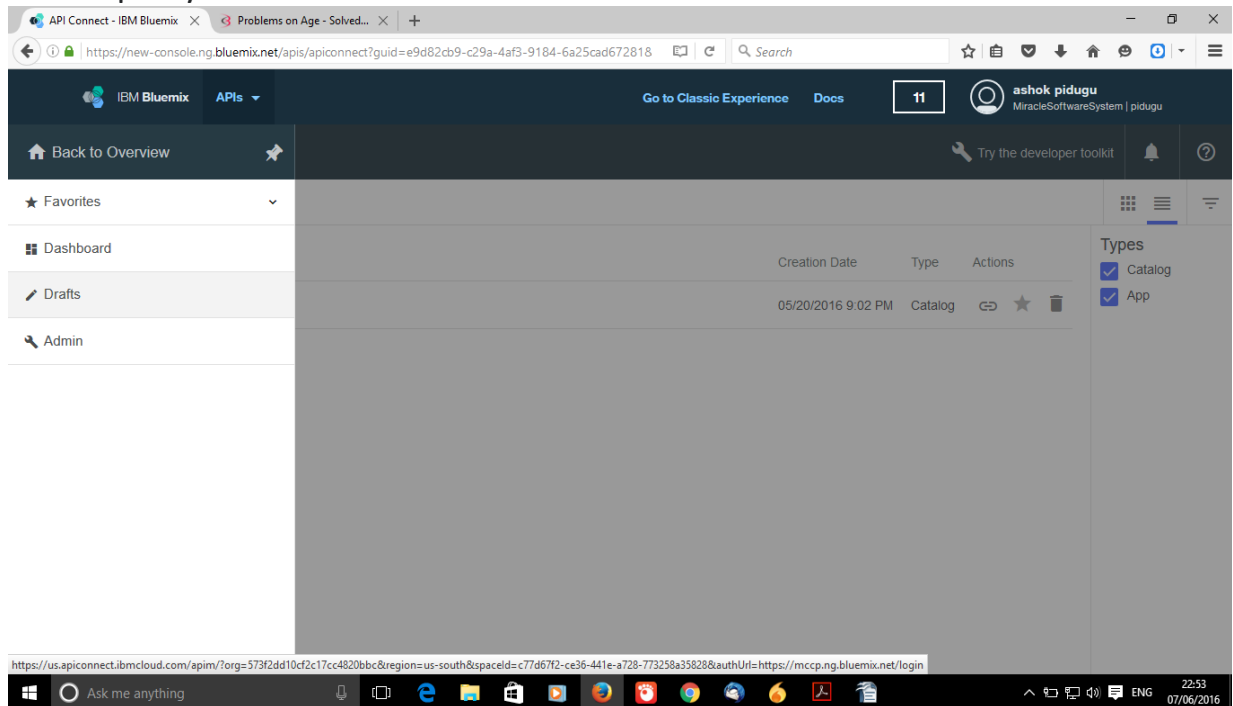
You'll find a window stating that the API is being initialised.



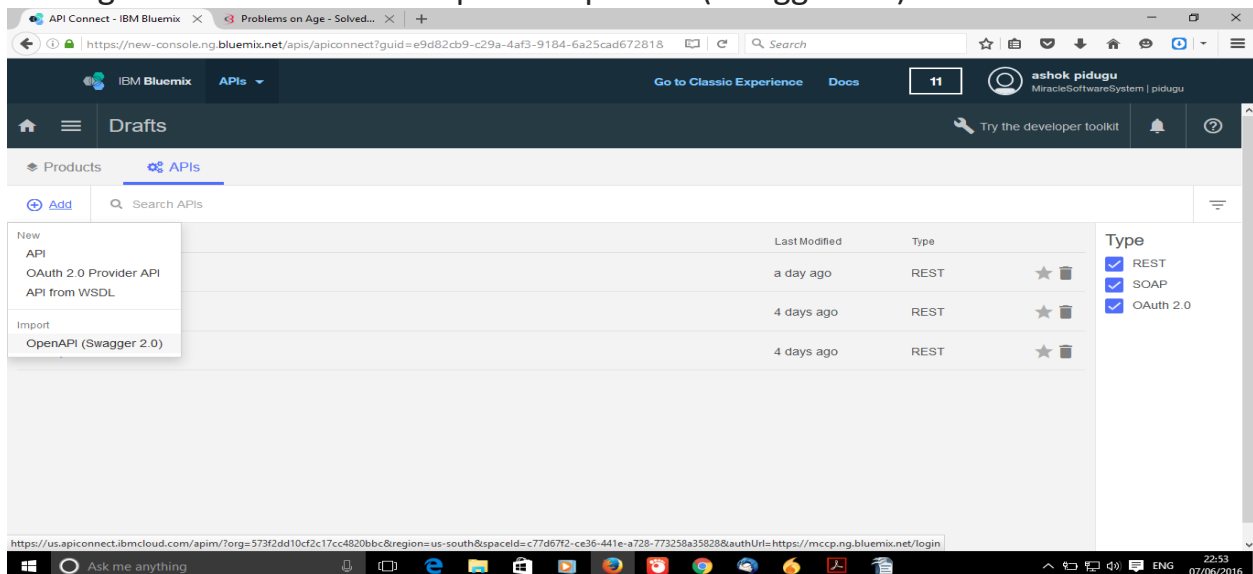
- You'll find the Base URL and Secret Header details of API once it starts running.
- Also you could see the REST API format of POST, GET, PUT, DELETE options.



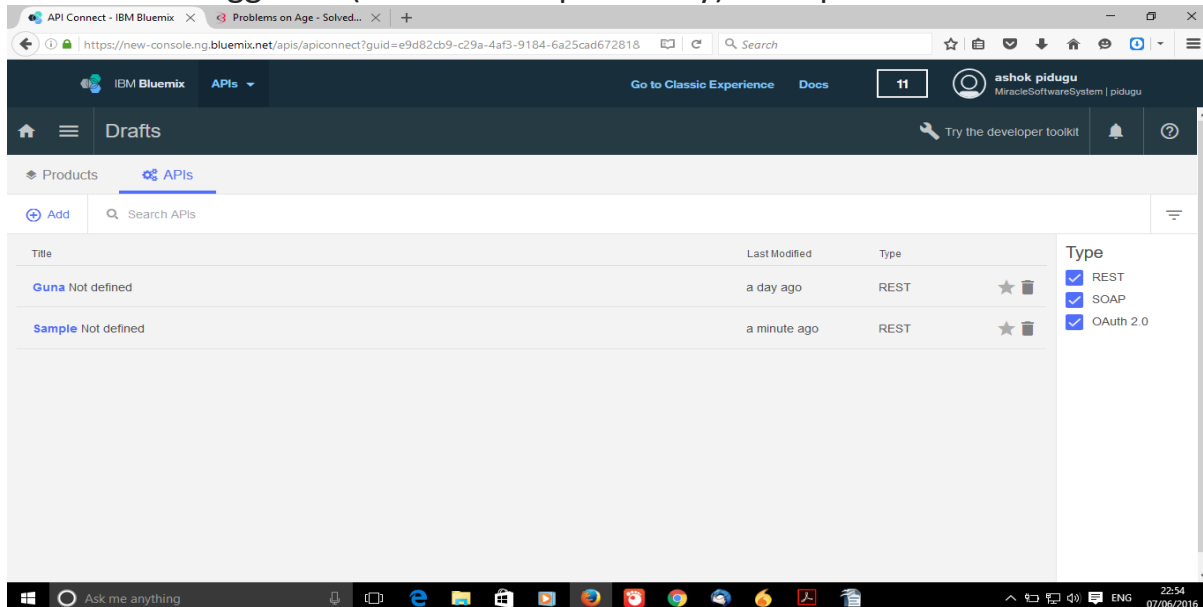
- As you scroll below you'll find the download button of “Swagger JSON”
- Download and Save it.
- Open your API Connect instance-->Drafts



Among the drafts select the option “Open API(Swagger 2.0)”.

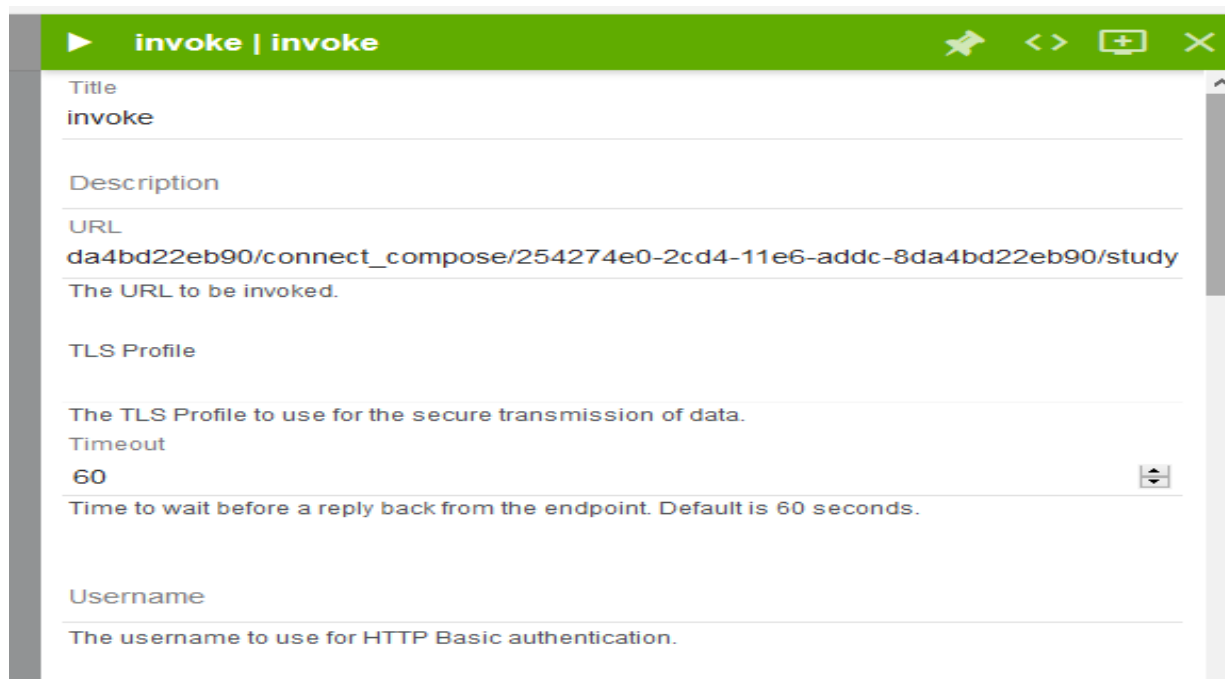


Browse the Swagger file(downloaded previously) and upload it.



Find your API in the Dashboard of your API Connect Instance.

- Now set your Schemes only to “**https**” as only it is supported.
- Go to Consumes & Produces and set them as you wish.
- Now go to Assembly.
- Add Invoke button on to your policy.

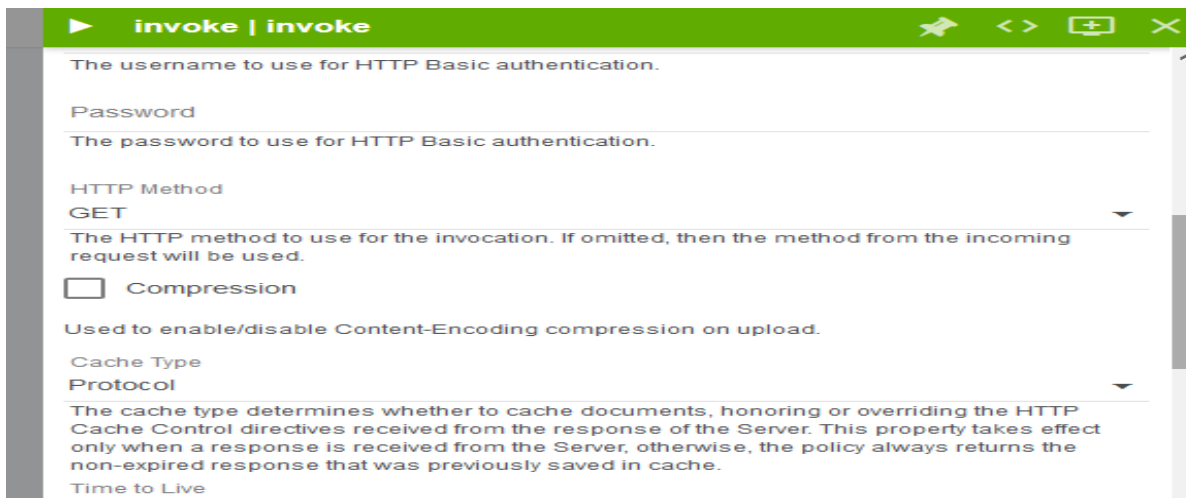


Copy the Base URL of your Compose API.

Here: https://cnc-us-prd-pxy-01.integration.ibmcloud.com/connect-api-prod-254274e0-2cd4-11e6-addc-8da4bd22eb90/connect_compose/254274e0-2cd4-11e6-addc-8da4bd22eb90/study

Scroll Down and Set the HTTP method as follows:

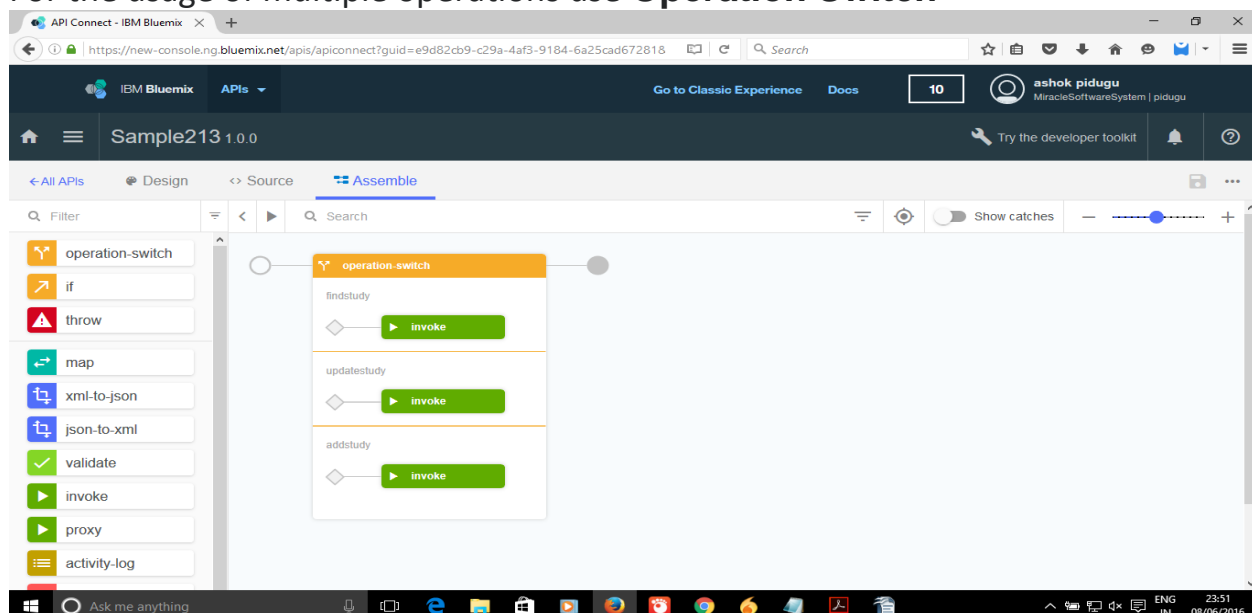
1. For **add{tablename}**--> Use GET method



2. For **update{tablename}**--> Use PUT method

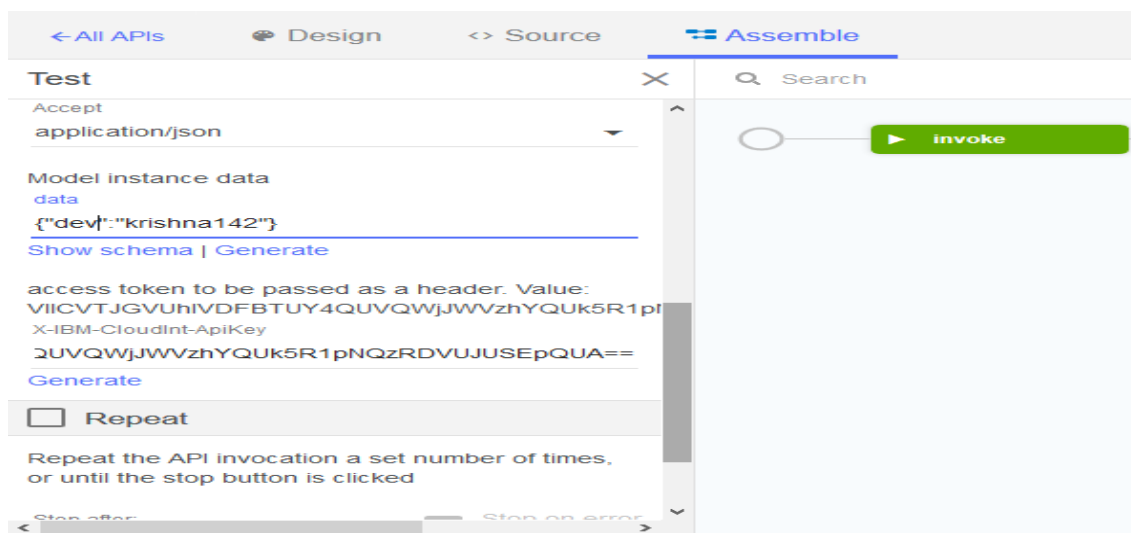
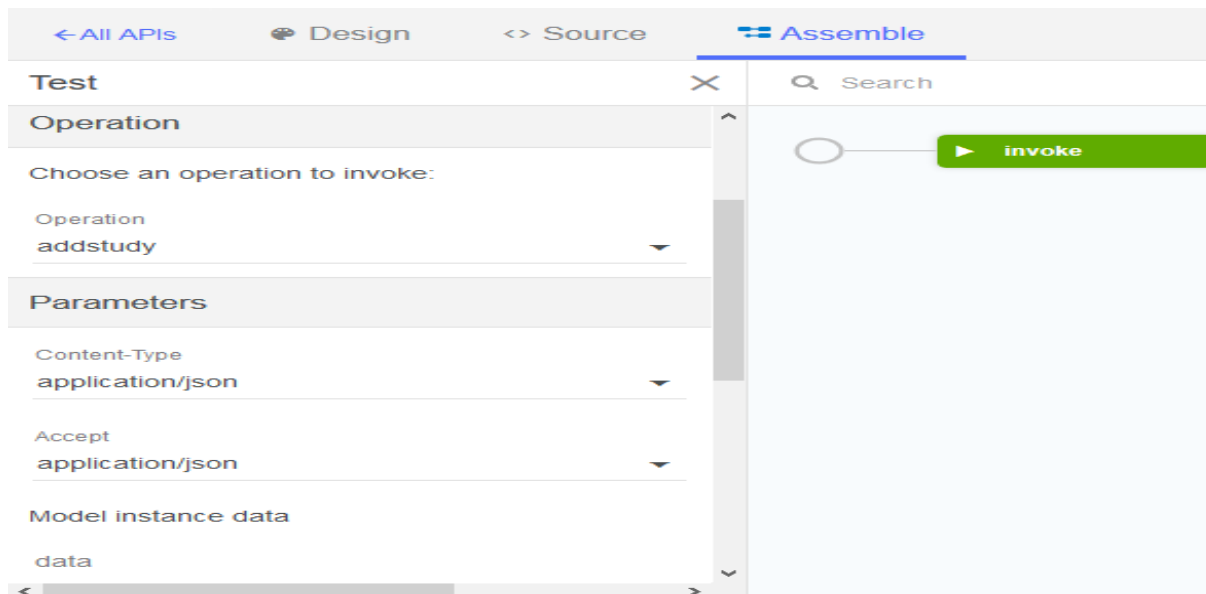
3. For **create{tablename}**--> Use POST method

For the usage of multiple operations use **Operation Switch**

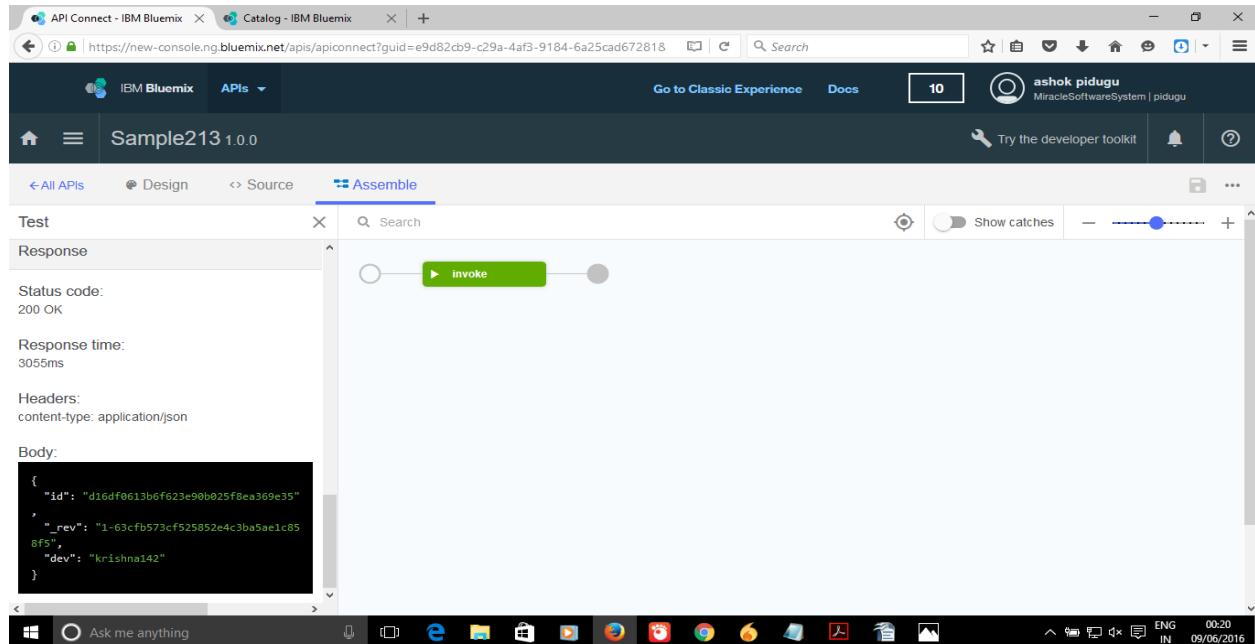


Result for **GET** operation:

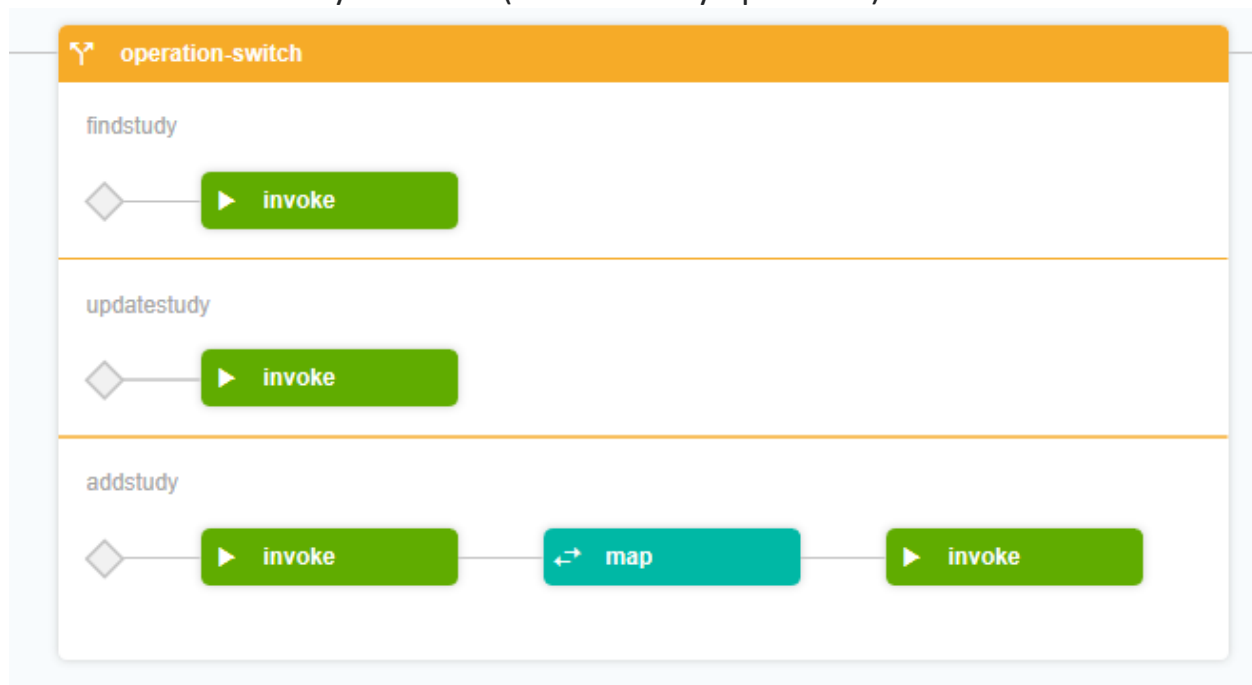
- Select the addstudy method operation(GET operation).
- Now give the data as provided by the Schema.
- Give the **X-IBM-CloudInt-IBM-Key** in the Header details.
- Click on **Invoke** button.



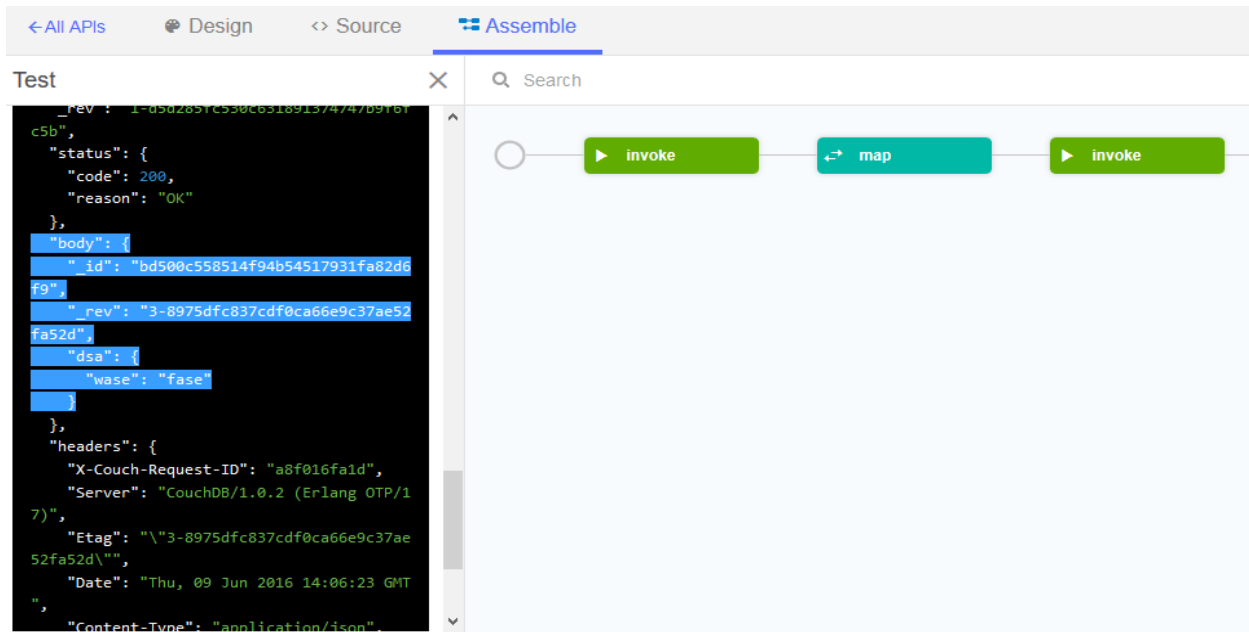
RESULT of the GET operation :



- Now for sending data from a Source Datasource to Target Datasource need to the Assembly as below:(see addstudy operation)



- Now call **addstudy** operation.



- Highlighted data is what I've sent from a Source to Target datasource.
- The 1st Invoke contains the details of Source database.