

Cloudant LoopBack Connector

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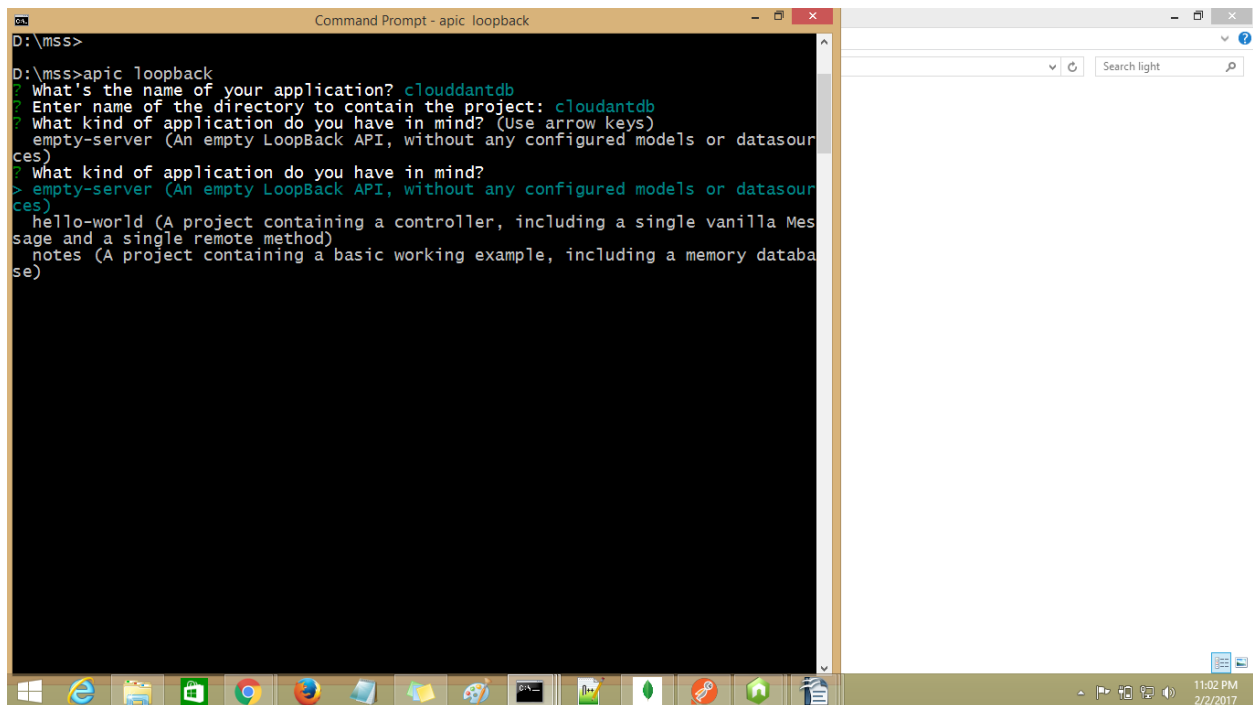
Creating the Cloudant LoopBack Connector

To create Cloudant loopback connector we need create an Empty API to perform the GET,POST,UPDATE,DELETE.

To Create an Empty LoopBack Server

To create an Empty Loopback server we need give the command in the Command prompt.It can be

cmd: apic loopback



```
D:\mss>
D:\mss>apic loopback
? What's the name of your application? clouddantdb
? Enter name of the directory to contain the project: clouddantdb
? What kind of application do you have in mind? (Use arrow keys)
empty-server (An empty LoopBack API, without any configured models or datasources)
? What kind of application do you have in mind?
> empty-server (An empty LoopBack API, without any configured models or datasources)
hello-world (A project containing a controller, including a single vanilla Message and a single remote method)
notes (A project containing a basic working example, including a memory database)
se
```

In the Command prompt Select an **Empty Server**,then it can create the loopback server.After creating the LoopBack, We need to create the DataSource and Model.

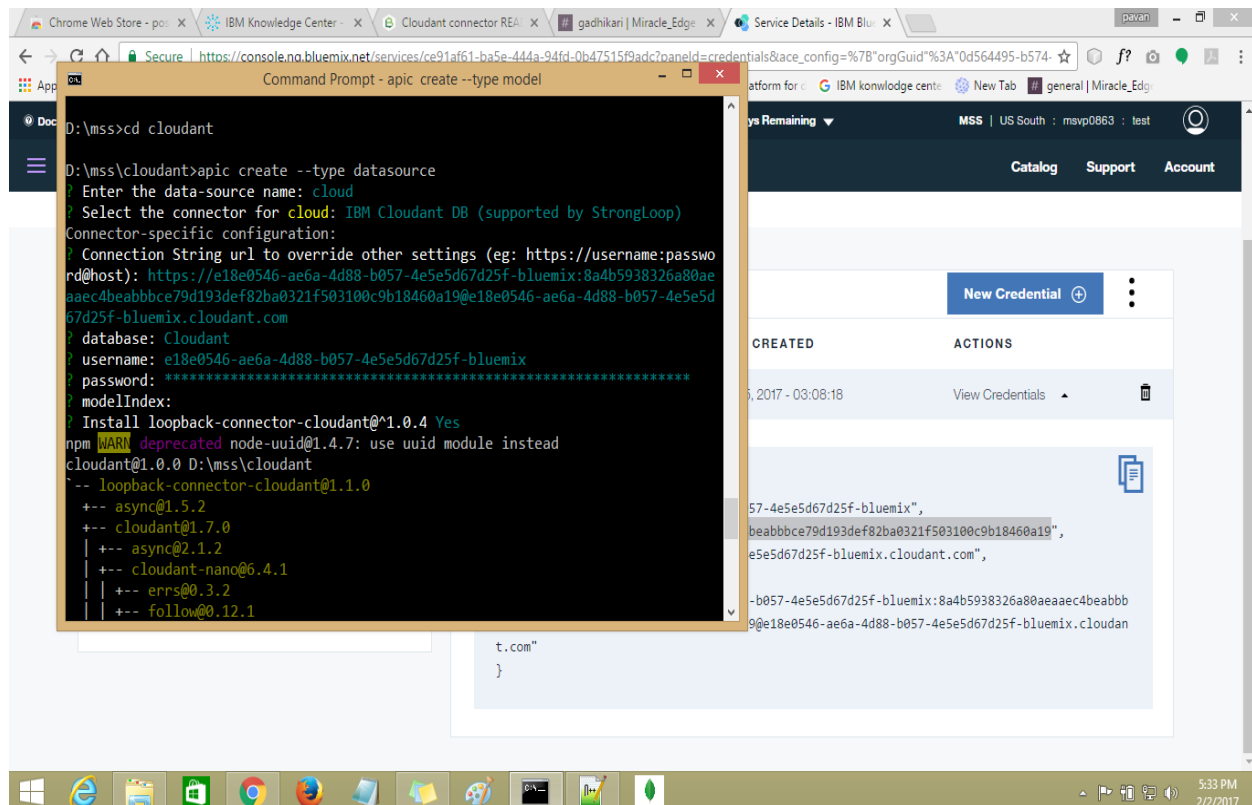
Before creating the DataSource and model,we need to Launch the Cloudant Database in your **Bluemix** account.

In that there is a option **Security Details**.When we click on that it gives the **username ,password** and **host** details of Cloudant DataBase.

Creating the DataSource for Cloudant:

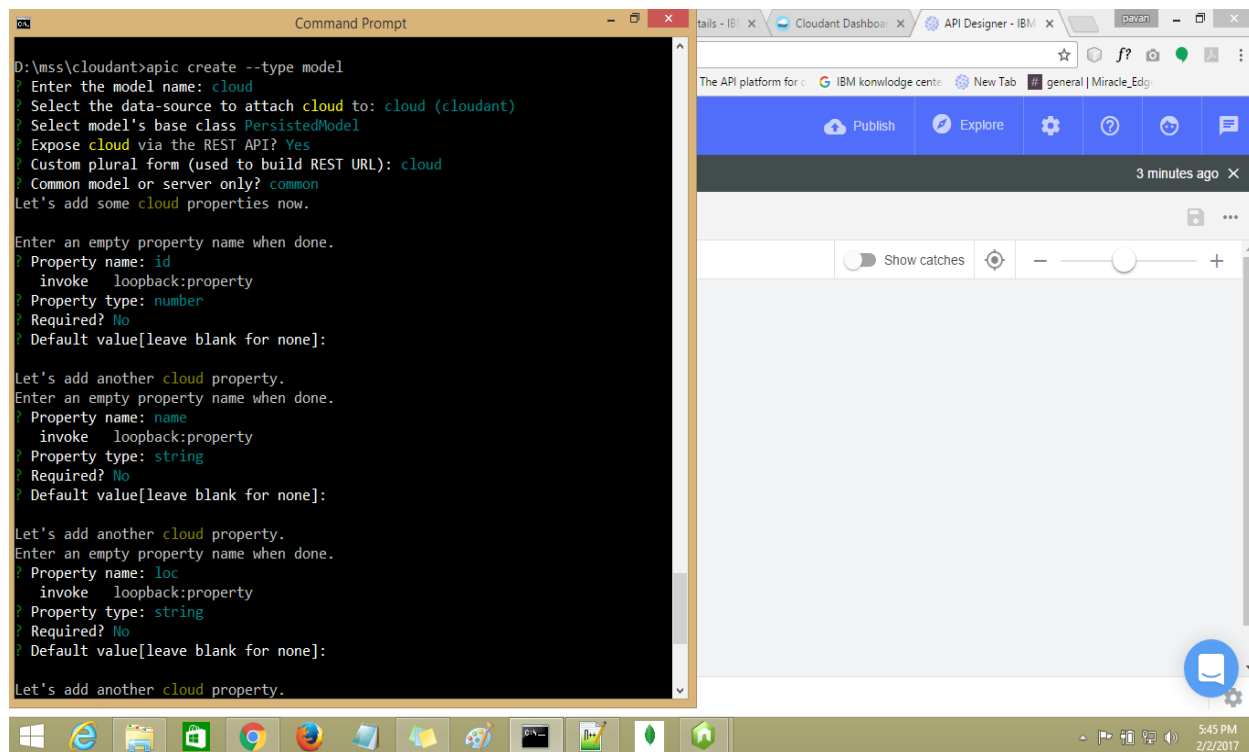
To create DataSource in CLI (command Line Interface) we need to give the Command.It can be

cmd : **apic create --type datasource**



In the CLI we need give the **String url,database,username,password**.Then the DataSource can be created.After creating the DataSource we need to create the Model.

cmd: **apic create --type model**

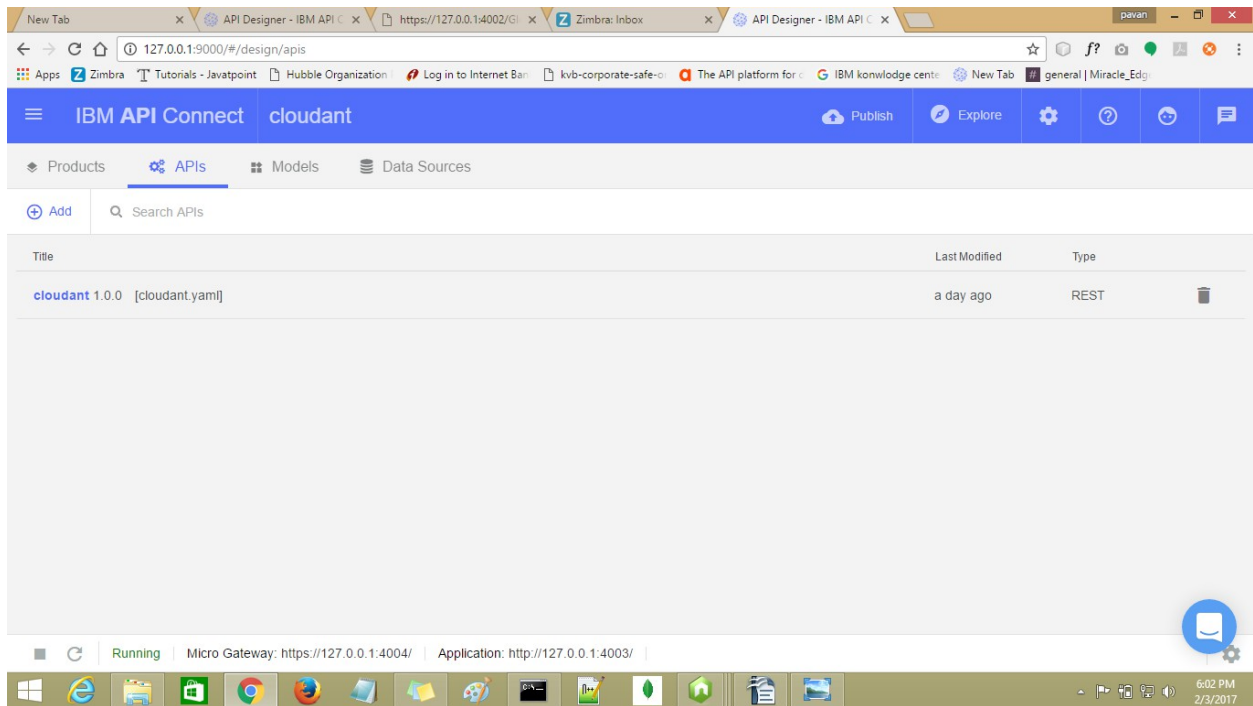


In the model we must give the **model name,model base class** and we need to add properties for the model.

Model base class must be **persistecmodel**

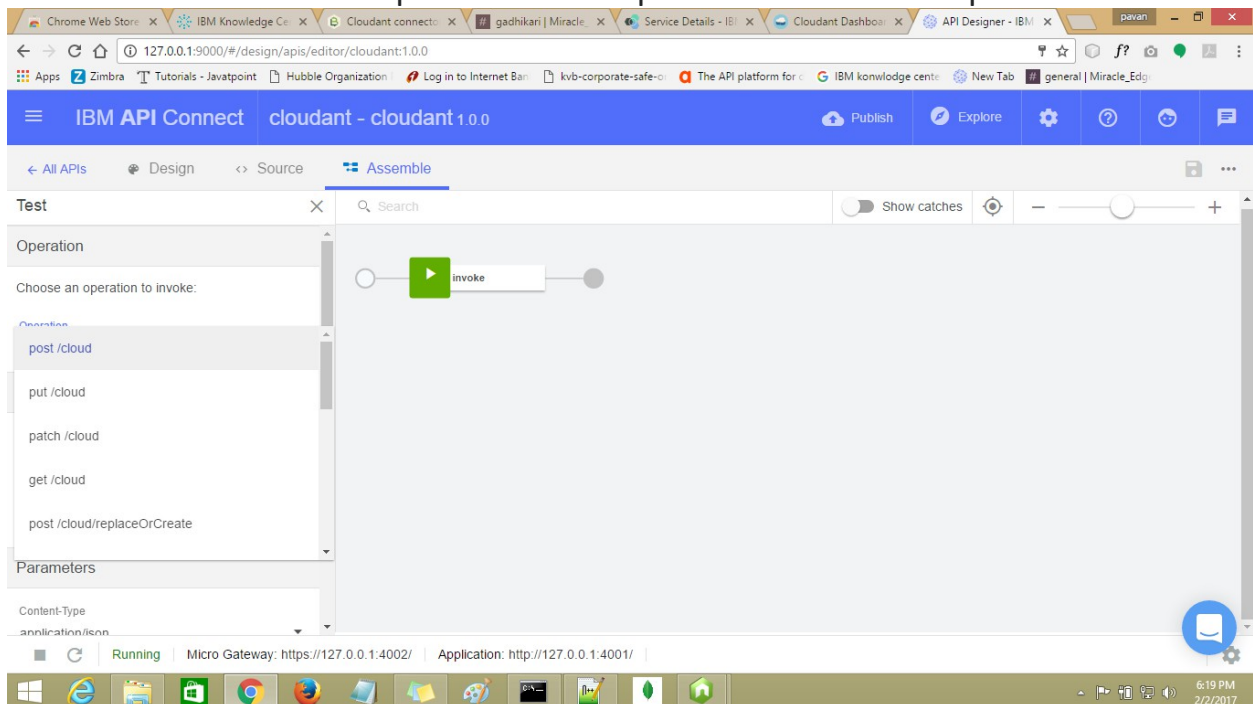
After completion of the DataSource and Model,we can perform the operations in Api Manager. For that we can use **apic edit** command.The UI can viewed in the browser.

In the UI Select the corresponding Api and then Click on **Assemble** option.Here we can perform the operations.



POST operation on Cloudant DataBase:

First we can select the required INVOKE operation from the drop down menu.

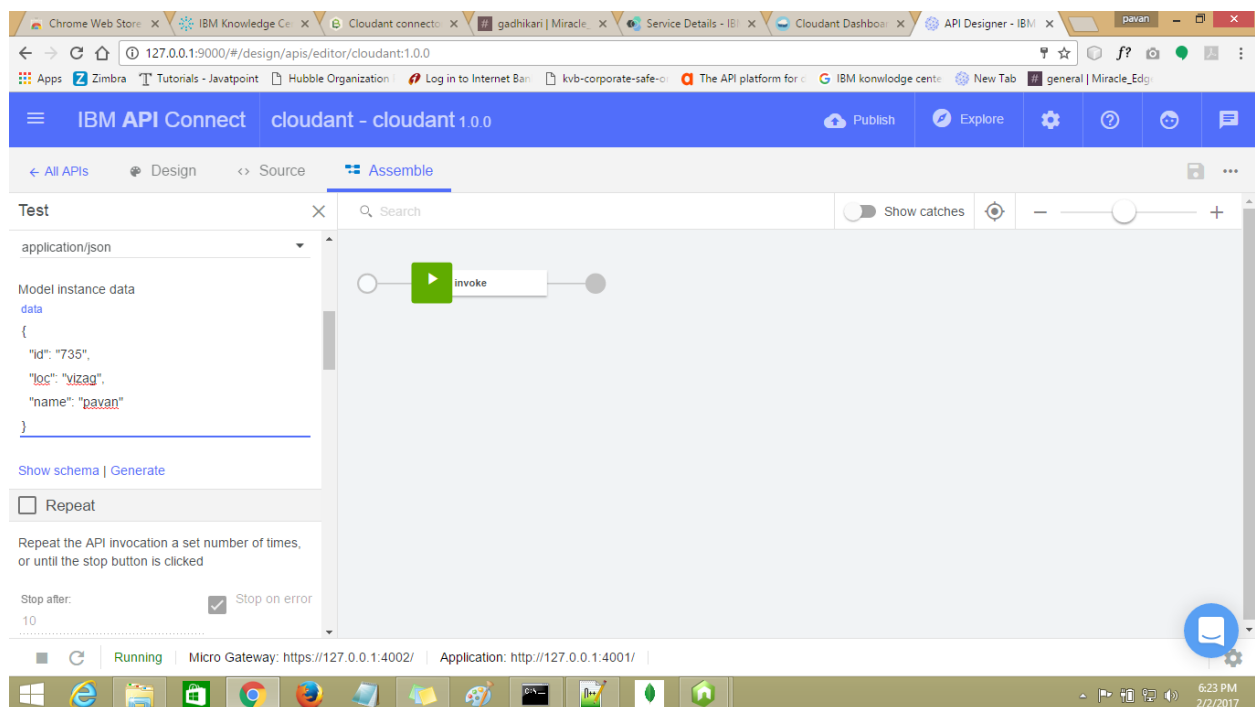


It can show the two options for the User.

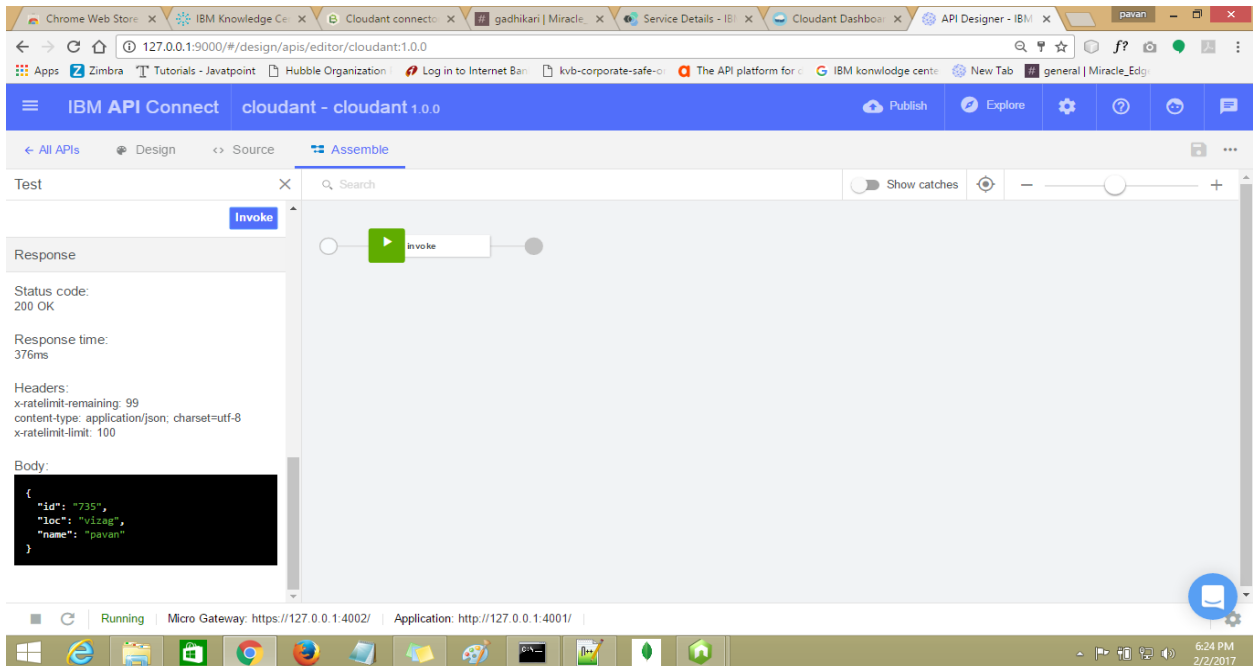
- 1.Show Schema
- 2.Generate

ShowSchema describes the structure of our required database.

Generate provides the Default Schema values.

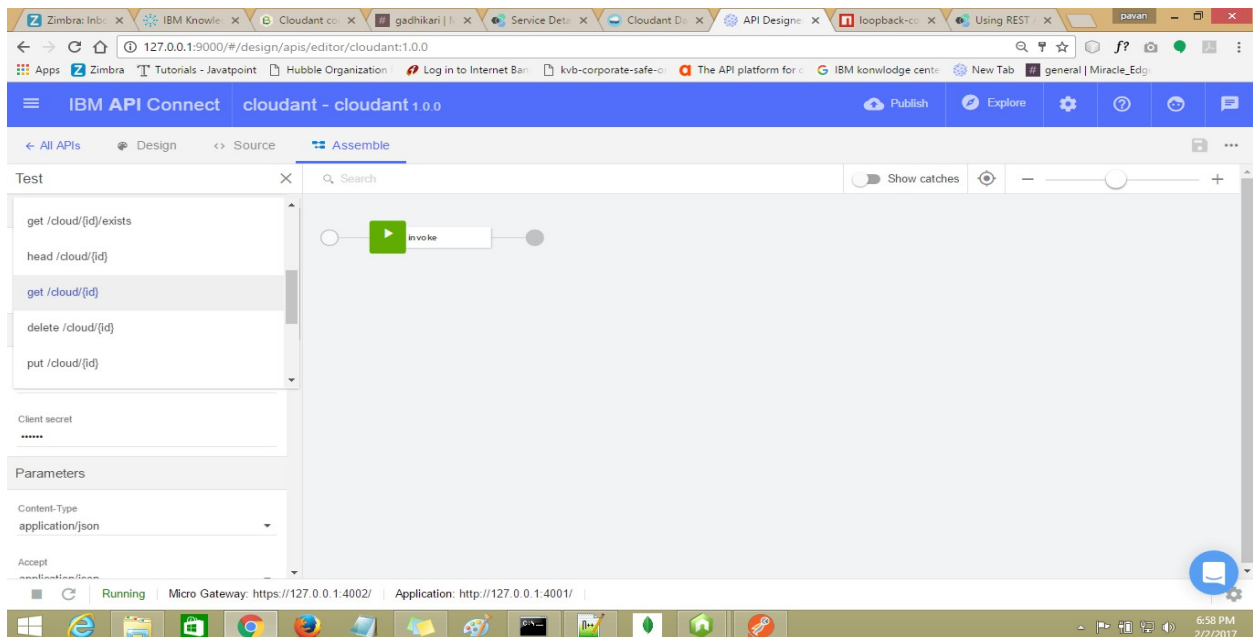


When we click on Invoke method ,if it is succeeded it will gives response 200 OK.

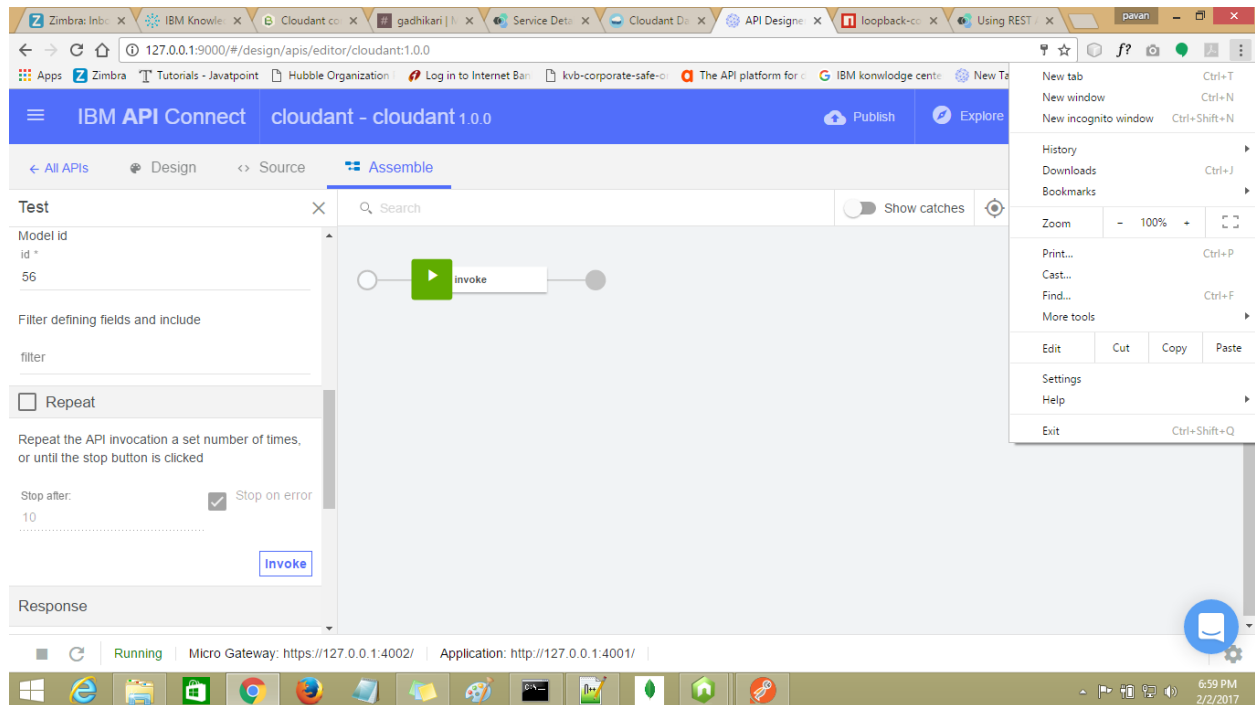


GET operation on Cloudant DataBase

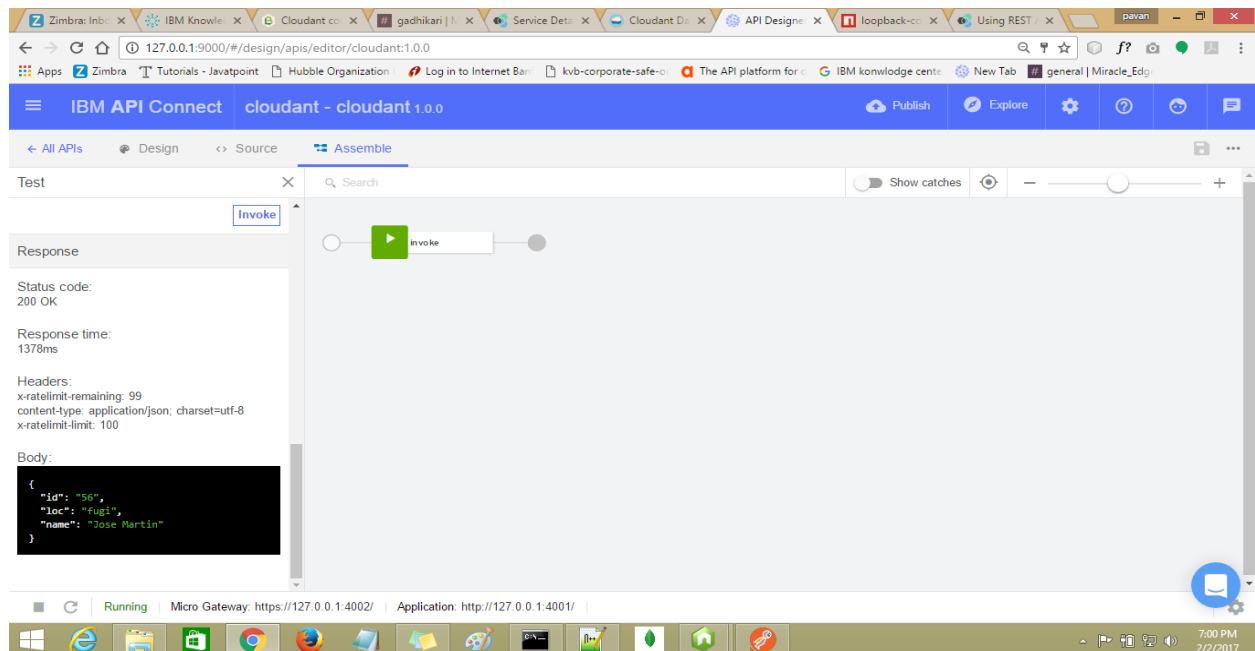
To perform the **Get** operation we need to select the required Invoke operation from the dropdown menu.



If we select the **get** operation by **id**, then we need to give the **id** of the particular data in database.

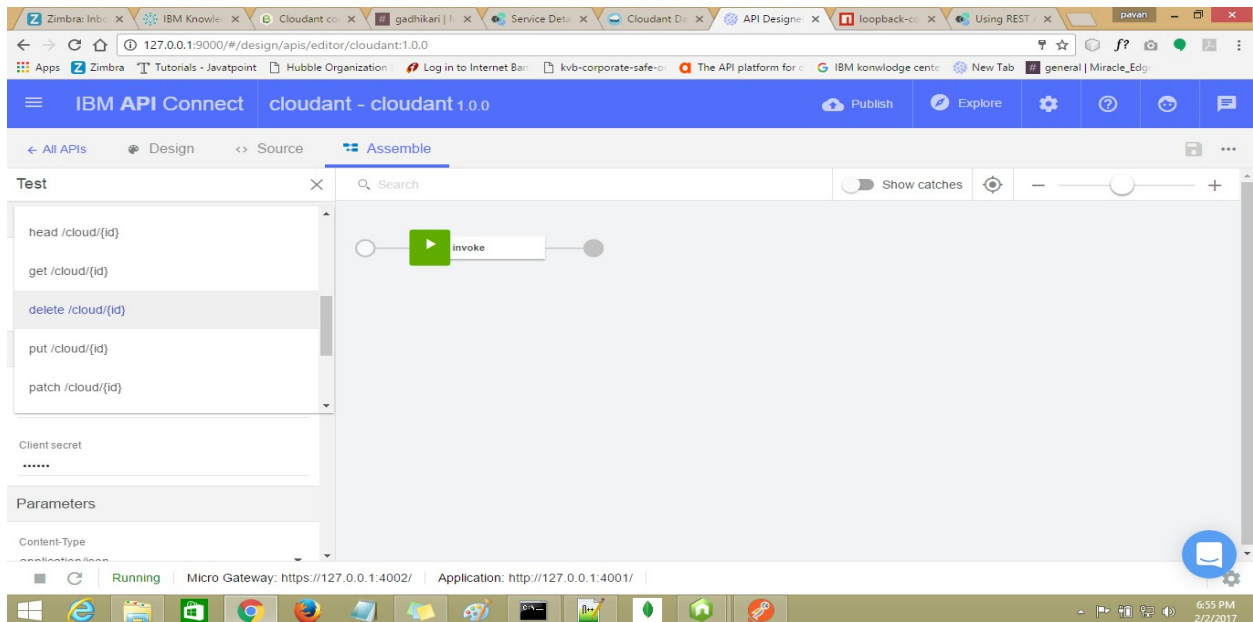


After that click on Invoke Button, it can give the corresponding data regarding to that id.

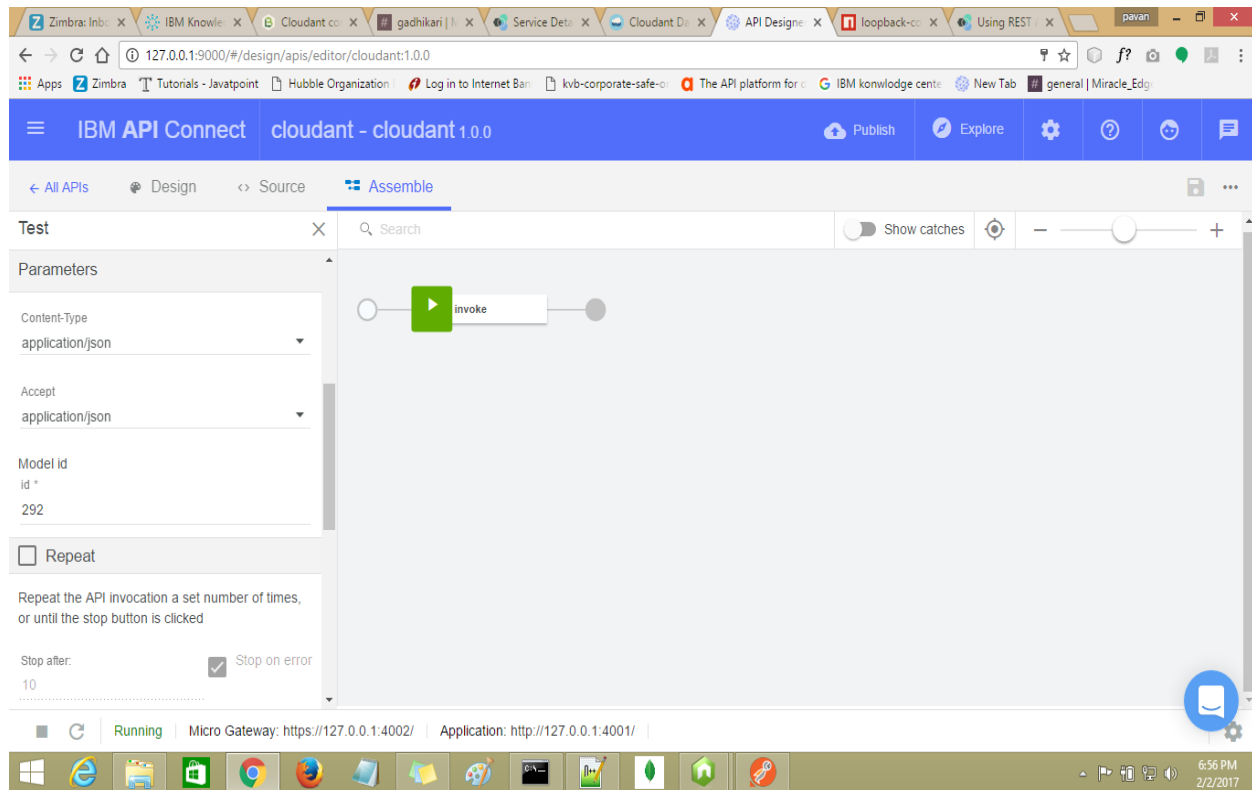


DELETE operation on Cloudant DataBase

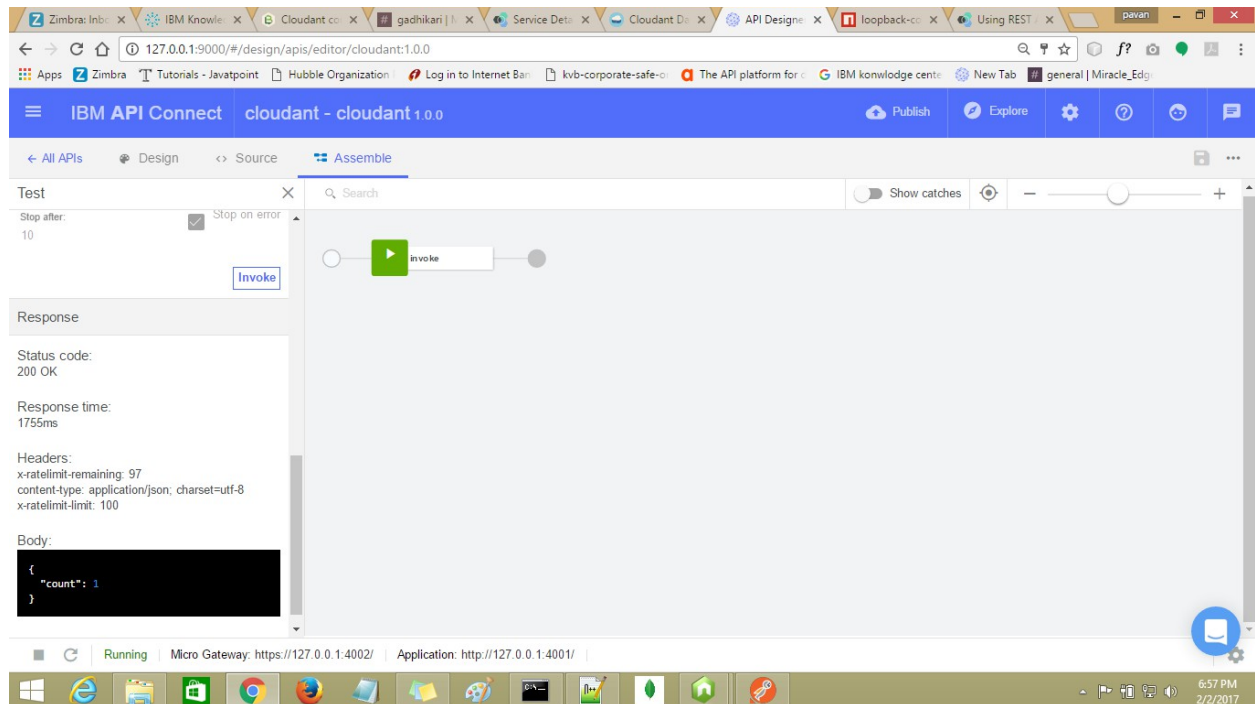
To perform the DELETE operation on cloudant Database we need to select the corresponding operation from the dropdown menu.



In this case we can perform the delete operation based on the model id.

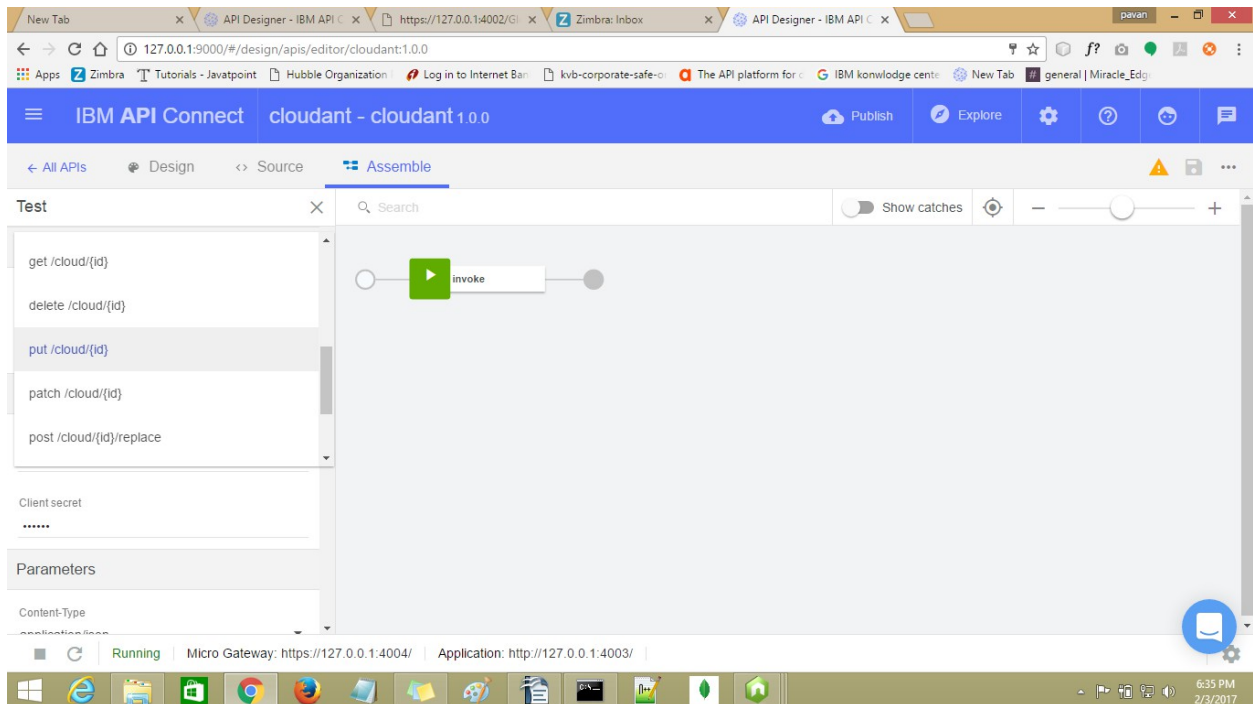


After giving the Model id Click on INVOKE button. Then the data can be deleted from the database.

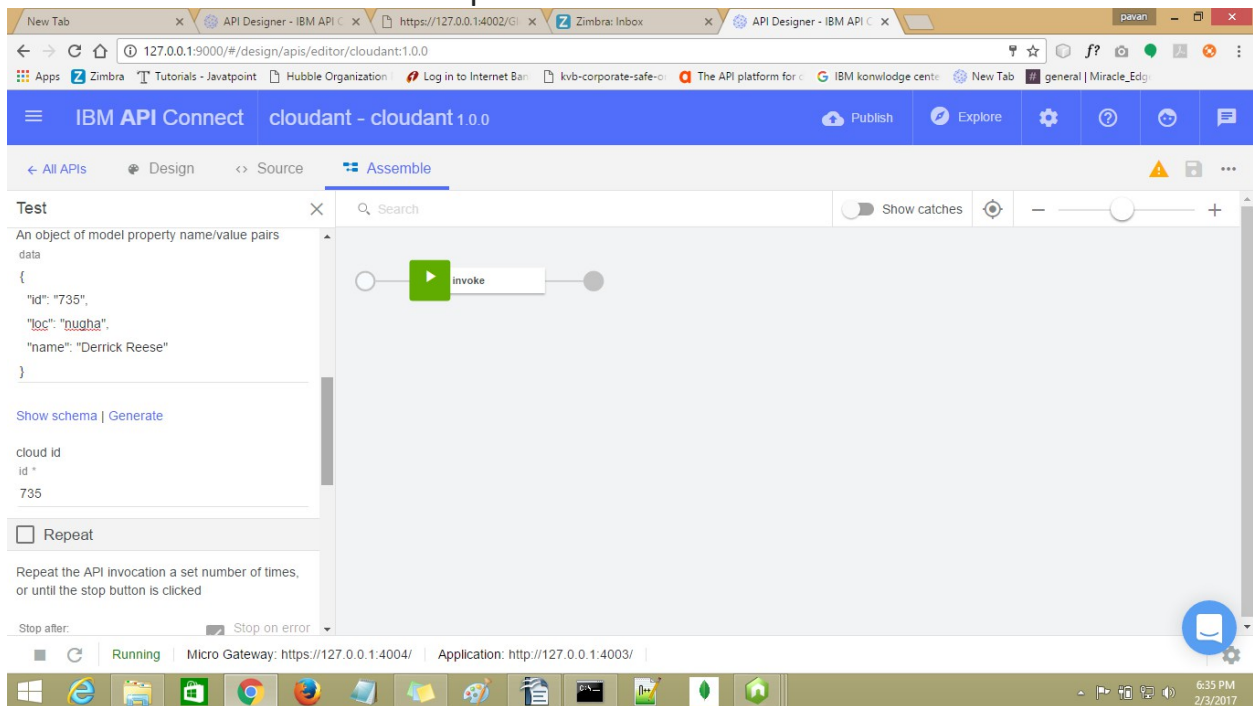


Update operation on Cloudant DataBase:

To update the data in Cloudant DataBase, we need to select either **update** or **put** operation. Here I am selecting PUT operation from the drop down menu.



After that we are updating the data based on the id. So we need to give the Model id and data what we need to update.



Then click on Invoke button. If it gives response 200 OK, then the data can be updated

