

## TOC

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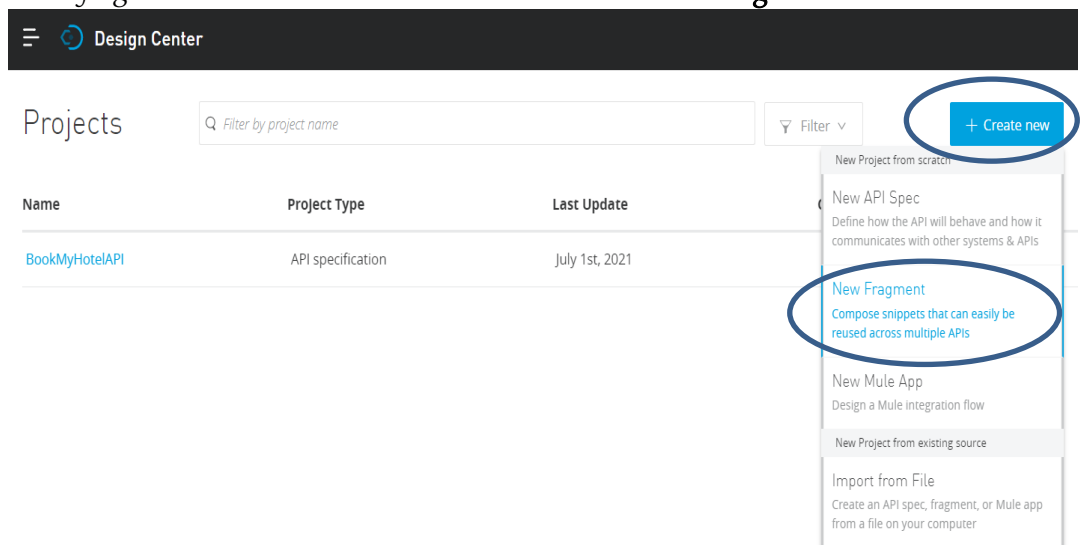
## LAB : Publish API Fragment to Exchange

In this lab you will -

- Create and Publish Error Fragment to Exchange
- Consume Error Fragment from Exchange

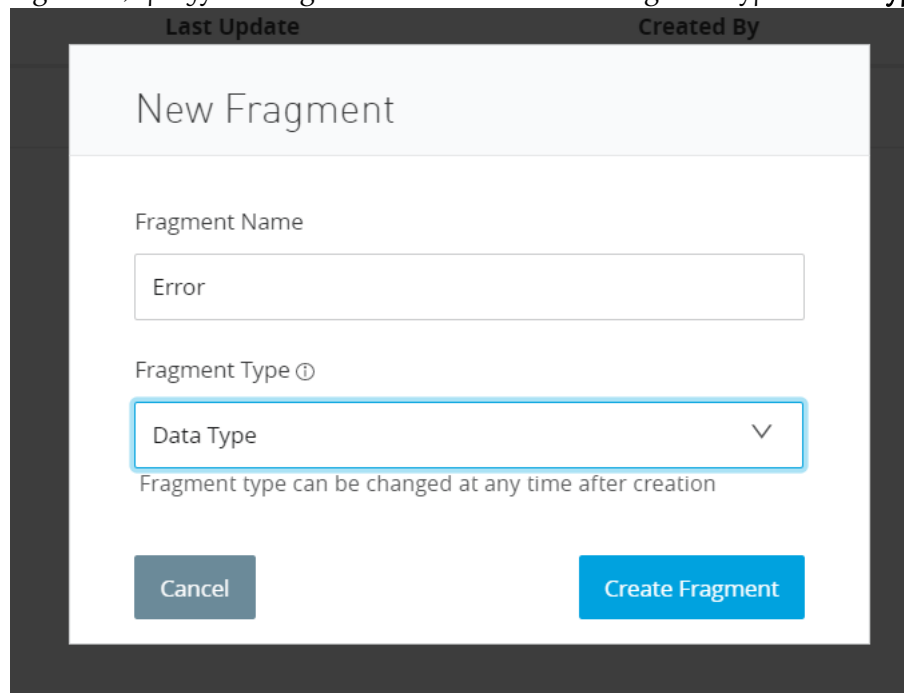
### Step 1 – Create API Fragment Project and Publish to Exchange

- Go to Design Center
- Lets create new fragment.Click on **Create New** button and click on **New Fragment**



a.

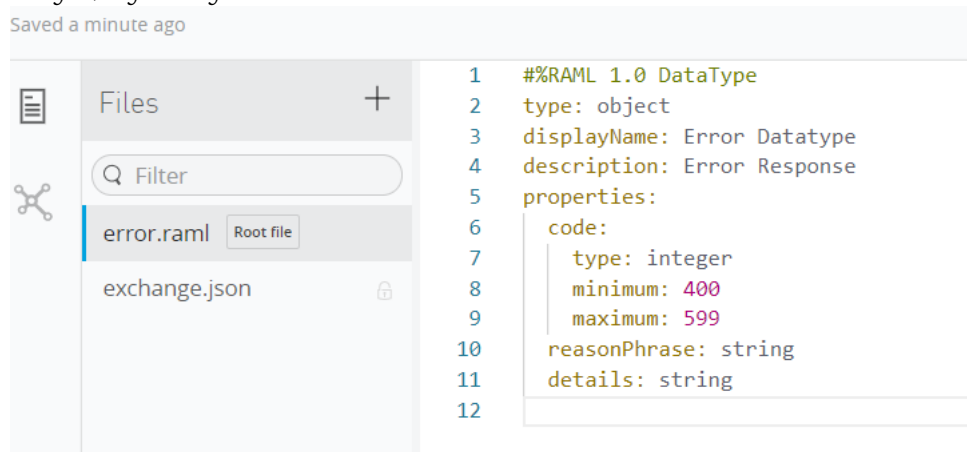
3. In the dialogue box, specify the Fragment Name as **Error** and Fragment Type as **Data Type**



The image shows a 'New Fragment' dialog box. At the top, there are two tabs: 'Last Update' and 'Created By'. The main title is 'New Fragment'. Below the title, there is a 'Fragment Name' field with the text 'Error' entered. Below that is a 'Fragment Type' dropdown menu with 'Data Type' selected. A small icon of a person is next to the 'Fragment Type' label. Below the dropdown, there is a note: 'Fragment type can be changed at any time after creation'. At the bottom, there are two buttons: 'Cancel' and 'Create Fragment'.

- a.
- b. Click on **Create Fragment** button

4. In error.raml file, define as follows: -

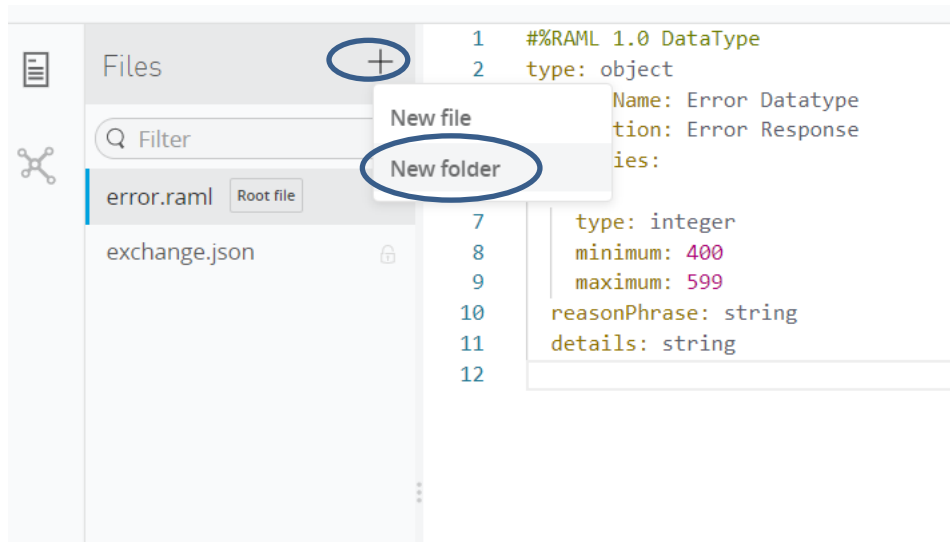


The image shows the API Editor interface. On the left, there is a 'Files' panel with a search bar and a list of files: 'error.raml' (selected) and 'exchange.json'. On the right, the 'error.raml' file is open, showing the following RAML code:

```
1  #%RAML 1.0 DataType
2  type: object
3  displayName: Error Datatype
4  description: Error Response
5  properties:
6    code:
7      type: integer
8      minimum: 400
9      maximum: 599
10   reasonPhrase: string
11   details: string
12
```

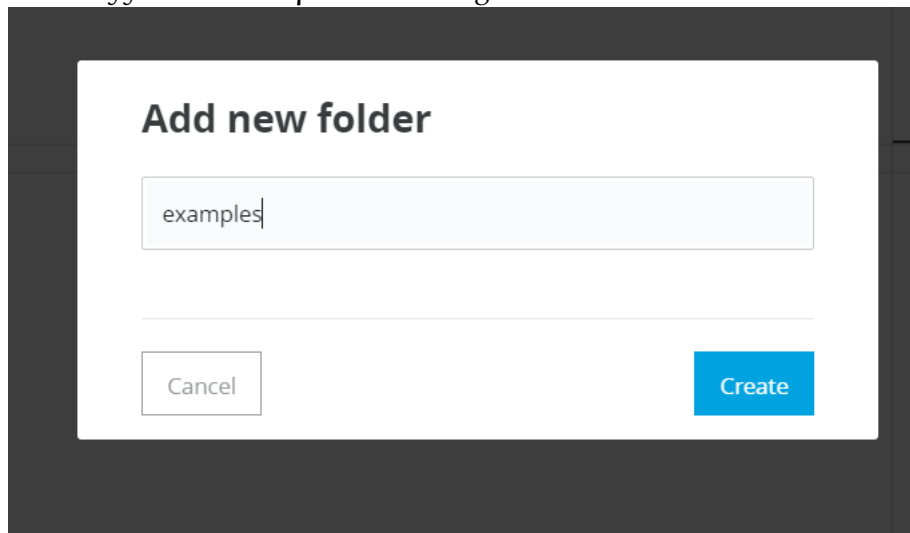
- a.

5. Now lets create examples folder. Click on + and Click on New folder –



a.

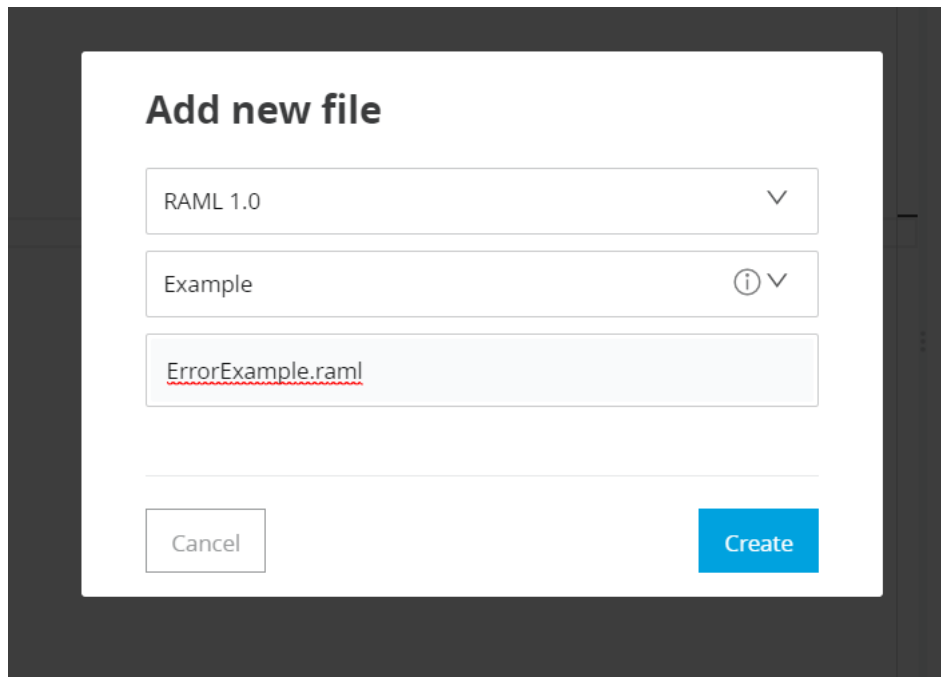
6. Specify the name of folder as **examples** in the dialogue box –



a.

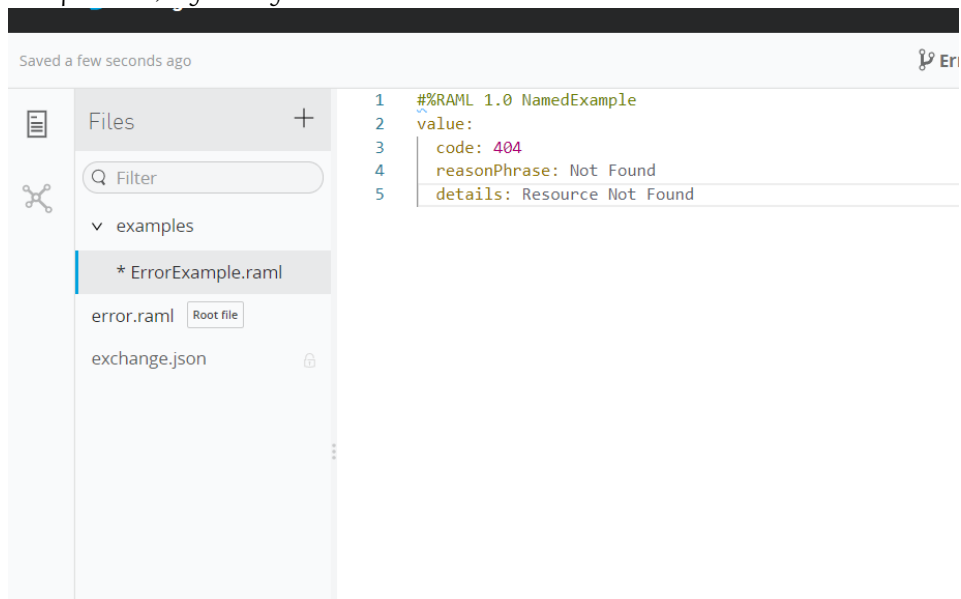
b. Click on Create button

7. In the examples folder, create a new file
8. In the dialogue box of new file, select **Example** from drop down and set the name as ErrorExample.raml -



a.

9. In `ErrorExample.raml`, define as follows :-



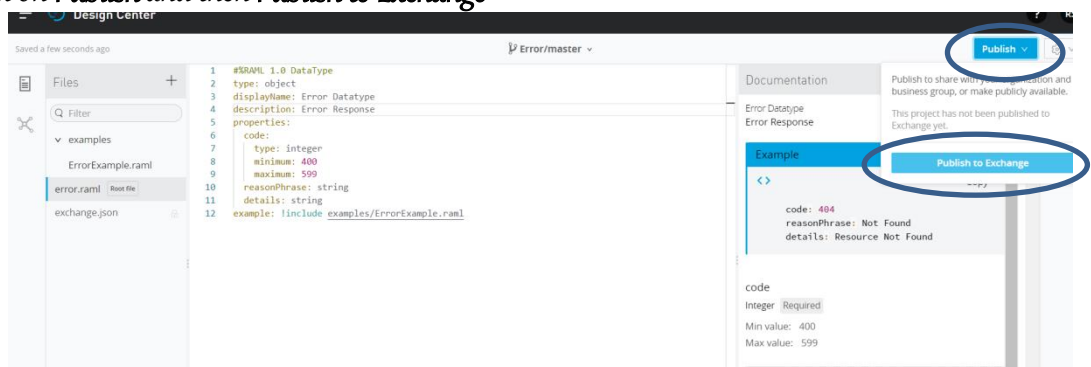
a.

10. Go to `error.raml` and specify example as shown below :-



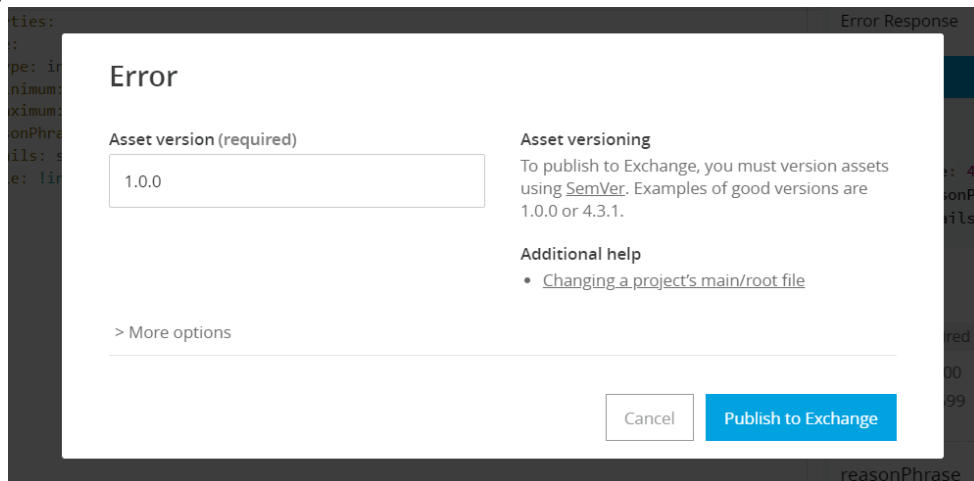
a.

11. Now click on **Publish** and then **Publish to Exchange**



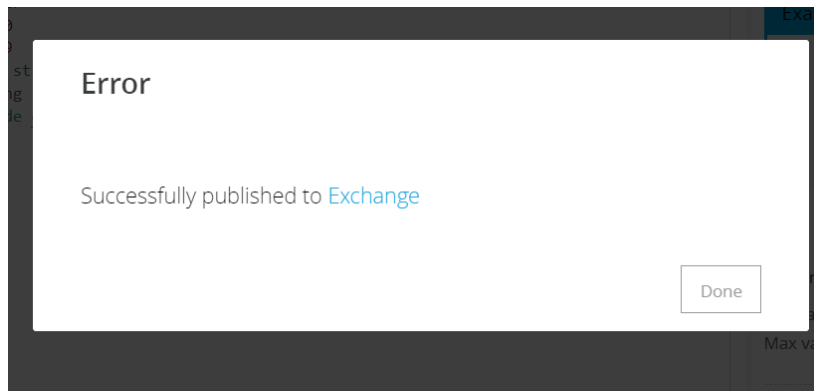
a.

12. In the dialogue box, specify the asset version as 1.0.0 as shown below and click on **Publish to Exchange**:-



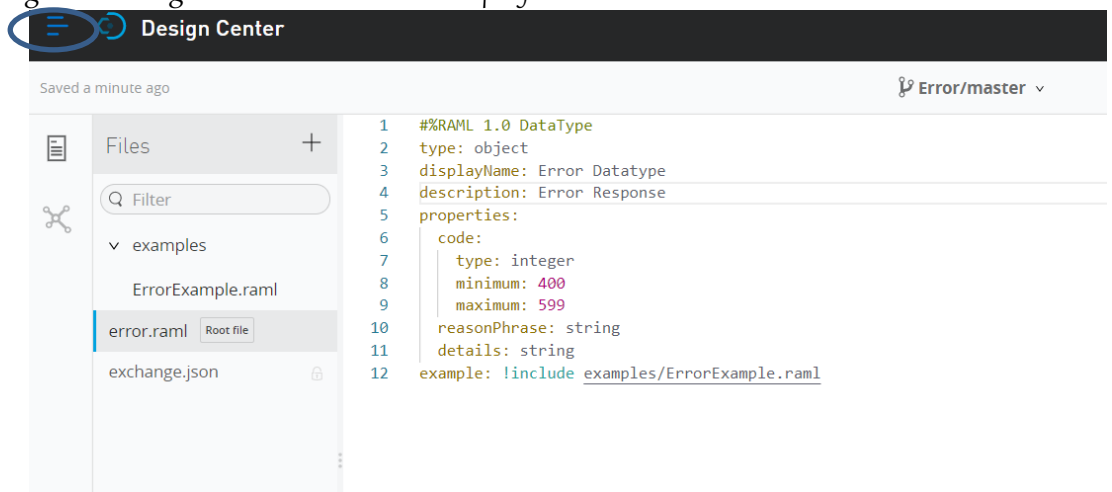
a.

13. You will get this message –



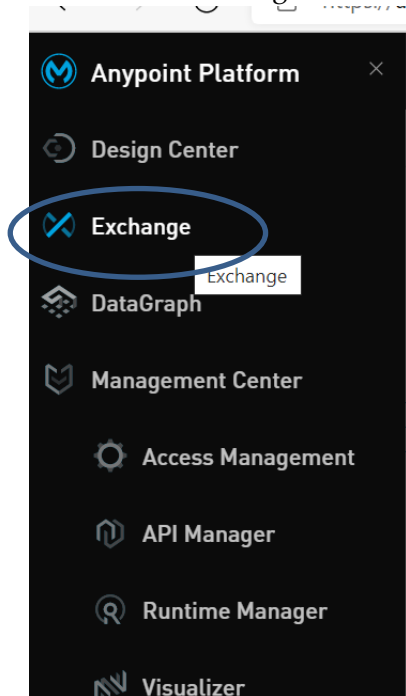
a.

14. Now lets go to exchange. Click on three bars at top left –



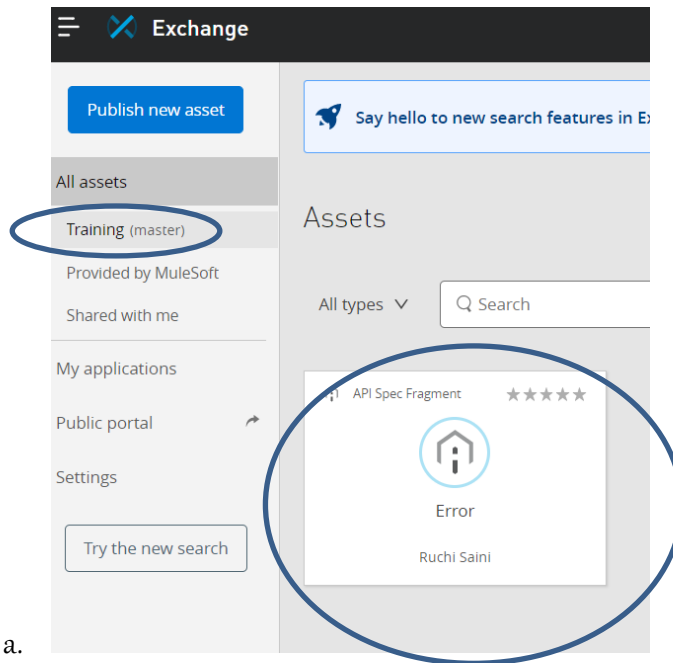
a.

b. Then click on Exchange



c.

15. In the Exchange, you will see the API fragment published for your organization as shown below(Training is my organization name) :-



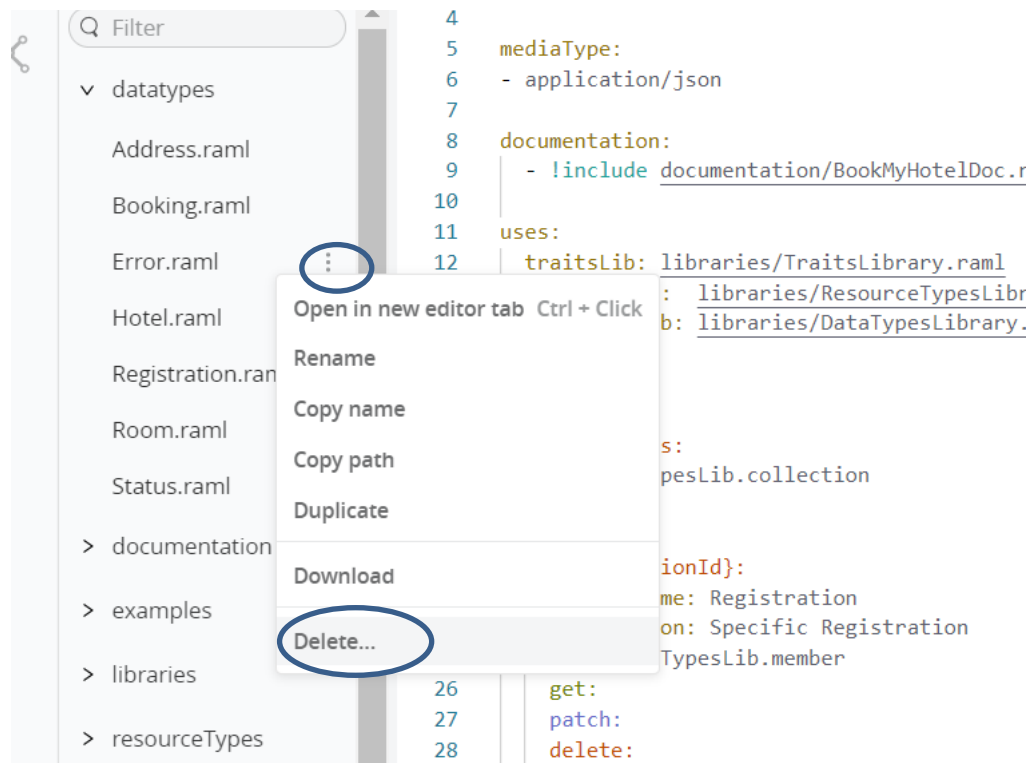
***Congratulations, you have completed this step!!***

### Step 2 – Consume API Fragment that is in Exchange

1. Open Design Center, it looks like following now :-

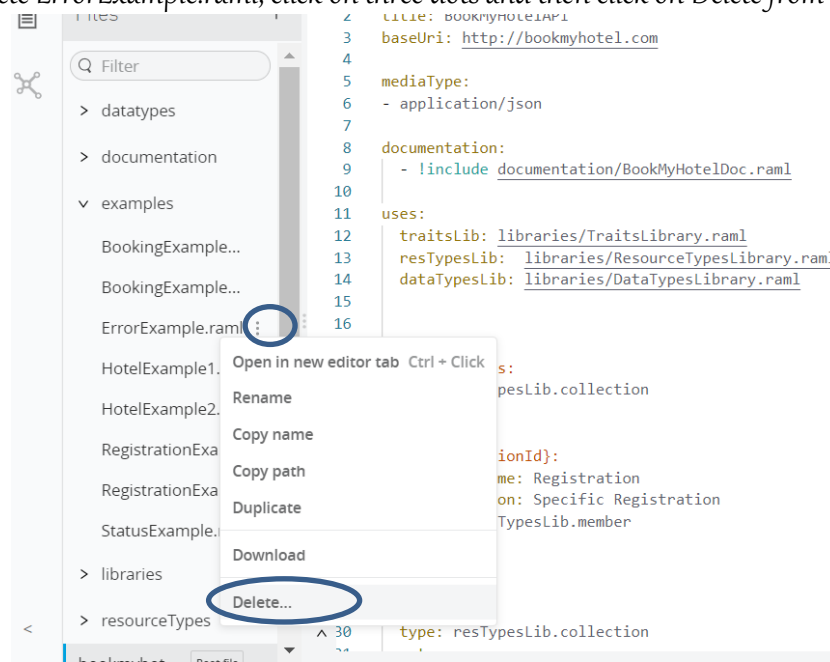
Projects			
Q Filter by project name		Filter	+ Create new
Name	Project Type	Last Update	Created By
Error	API fragment	July 2nd, 2021	ruchi0620212
BookMyHotelAPI	API specification	July 1st, 2021	ruchi0620212

- a.
  - b. We have 2 projects.
  - c. First one is Error and its project type is API Fragment
  - d. Another is BookMyHotelAPI and its project type is API Specification
2. Click on BookMyHotelAPI and open it
  3. Delete Error Datatype fragment. For this, go to datatypes folder and delete Error.raml. To delete Error.raml, click on three dots and then click on Delete from the menu :-



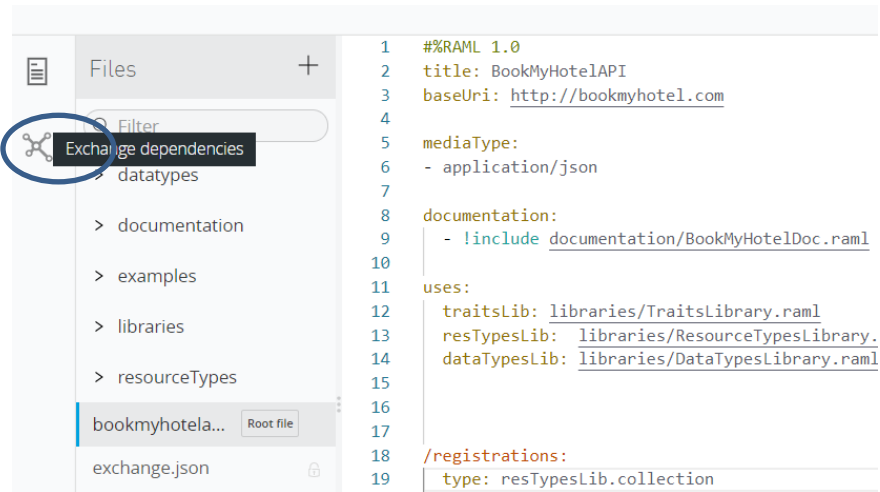
4. Delete Error Example fragment. For this, go to examples folder and delete ErrorExample.raml.

To delete ErrorExample.raml, click on three dots and then click on Delete from the menu –

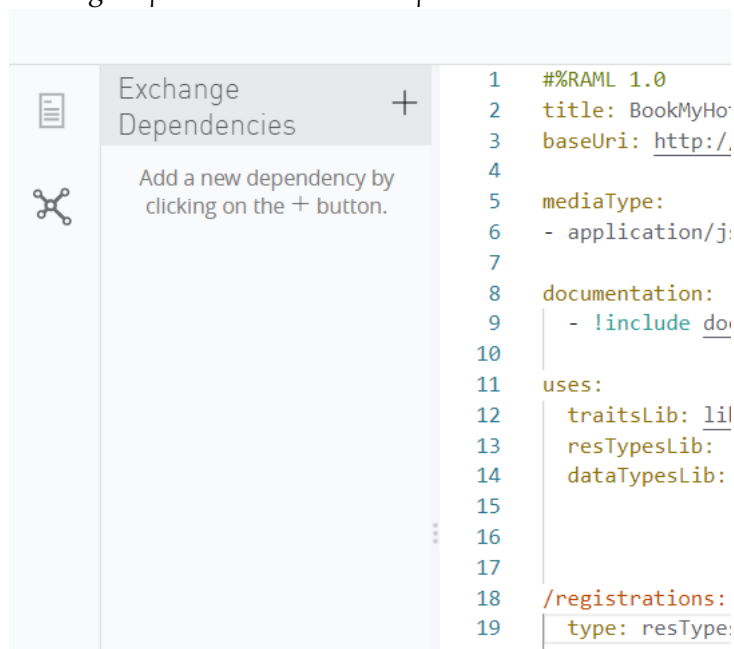


5. At the left hand side, we have icon for Exchange Dependencies -

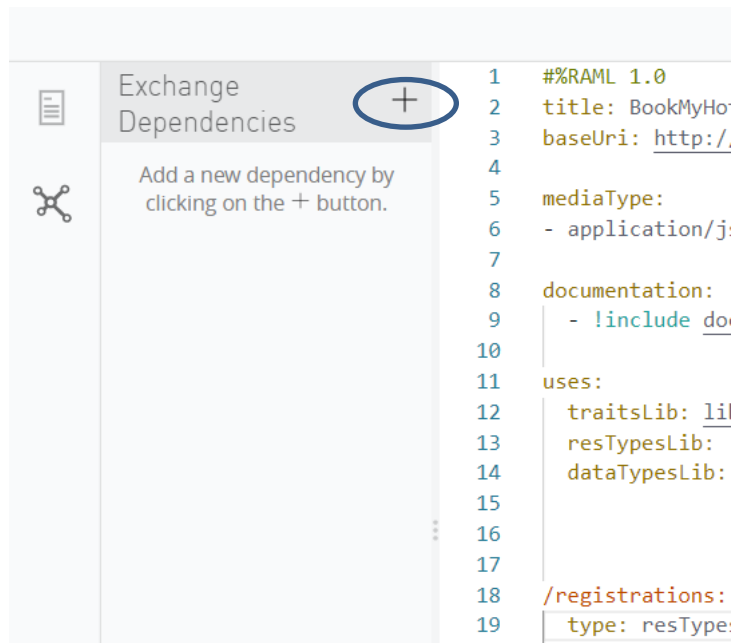




6. Notice Exchange dependencies window is open now –

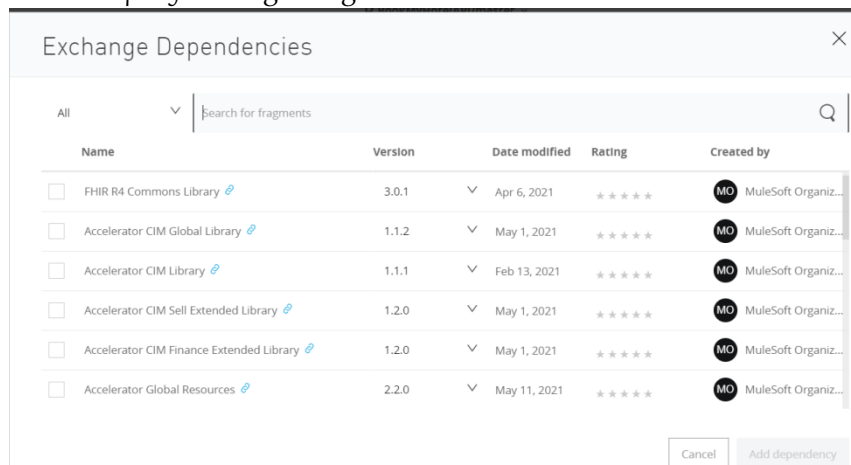


7. Click on + sign to add dependencies



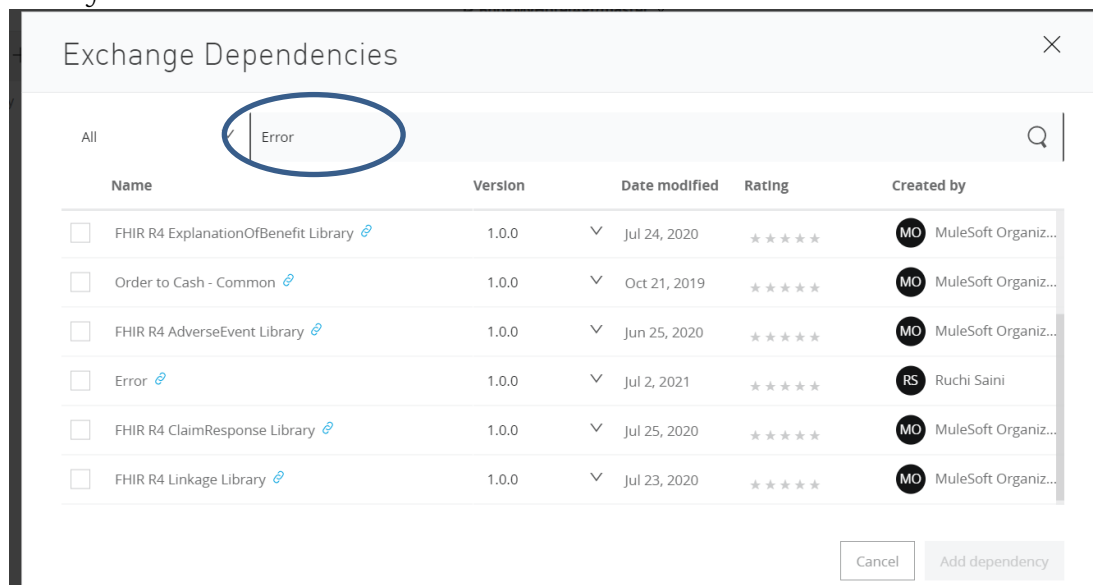
a.

b. This will open following dialogue box –



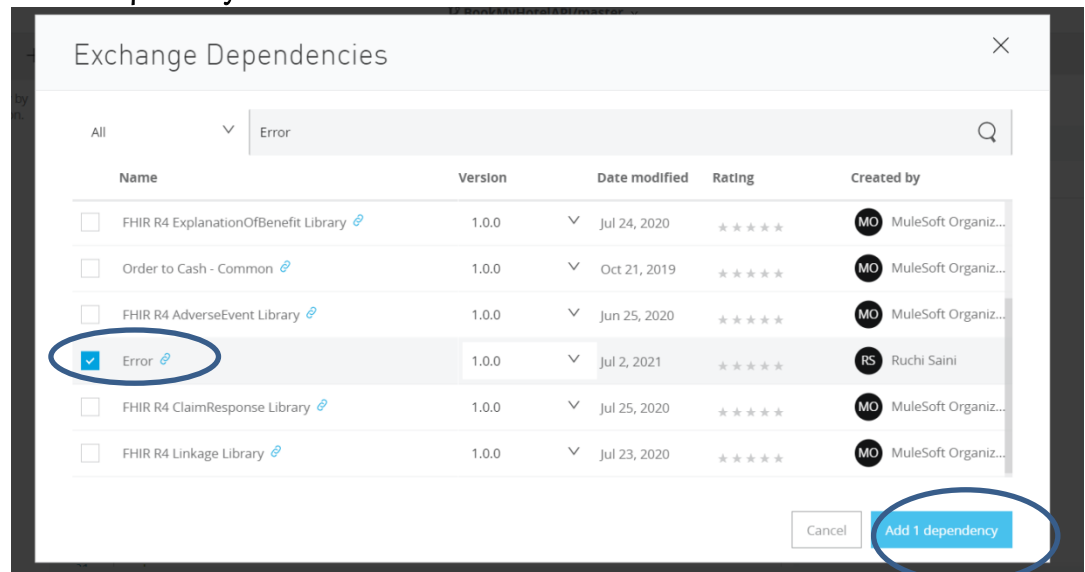
c.

d. Search for **Error**

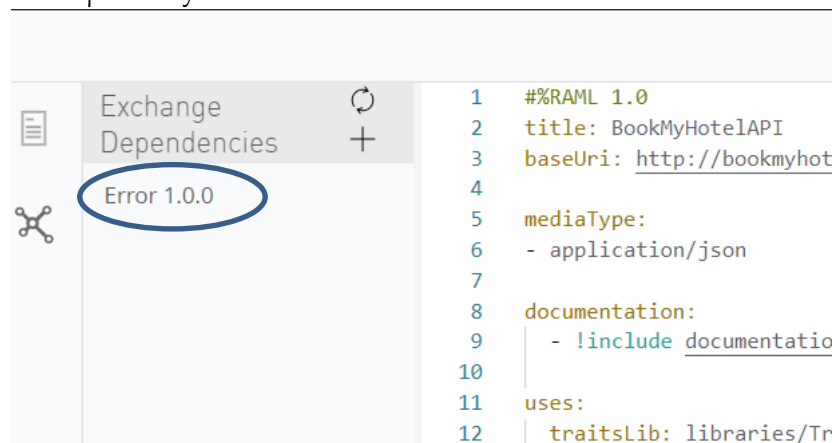


e.

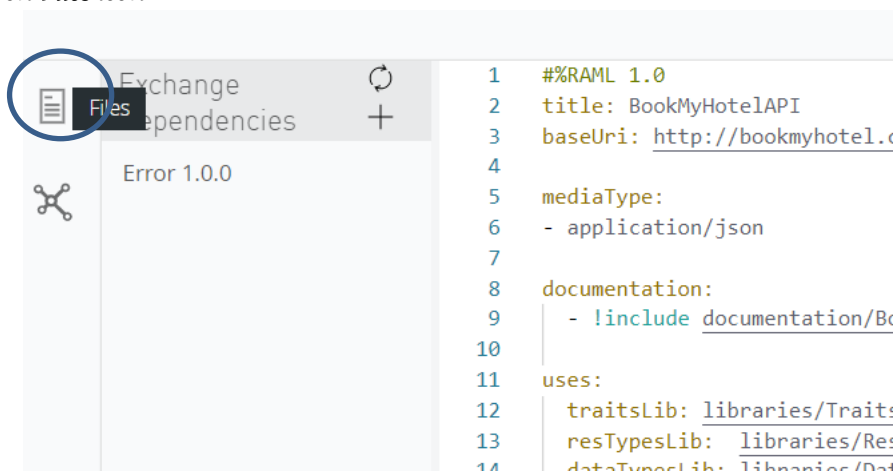
- f. Click on the checkbox of **Error** API fragment that has come up in the result and then click on **Add dependency** button



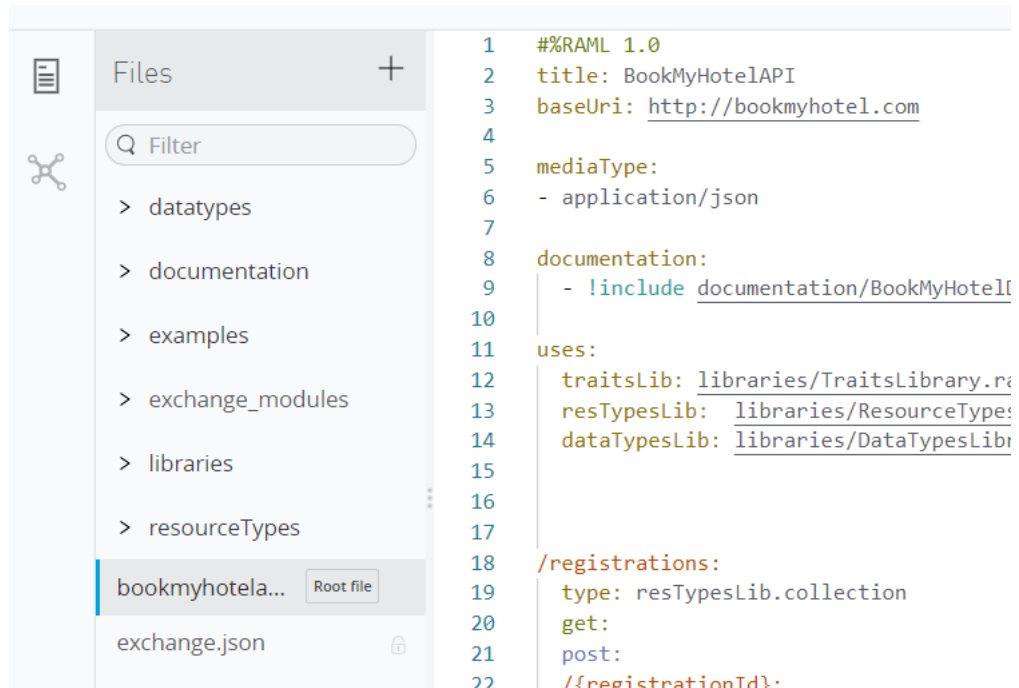
- g. Notice that dependency is added –



- a. Error fragment is added and asset version is 1.0.0
- b. Error fragment is added and asset version is 1.0.0
9. Click on **Files** icon

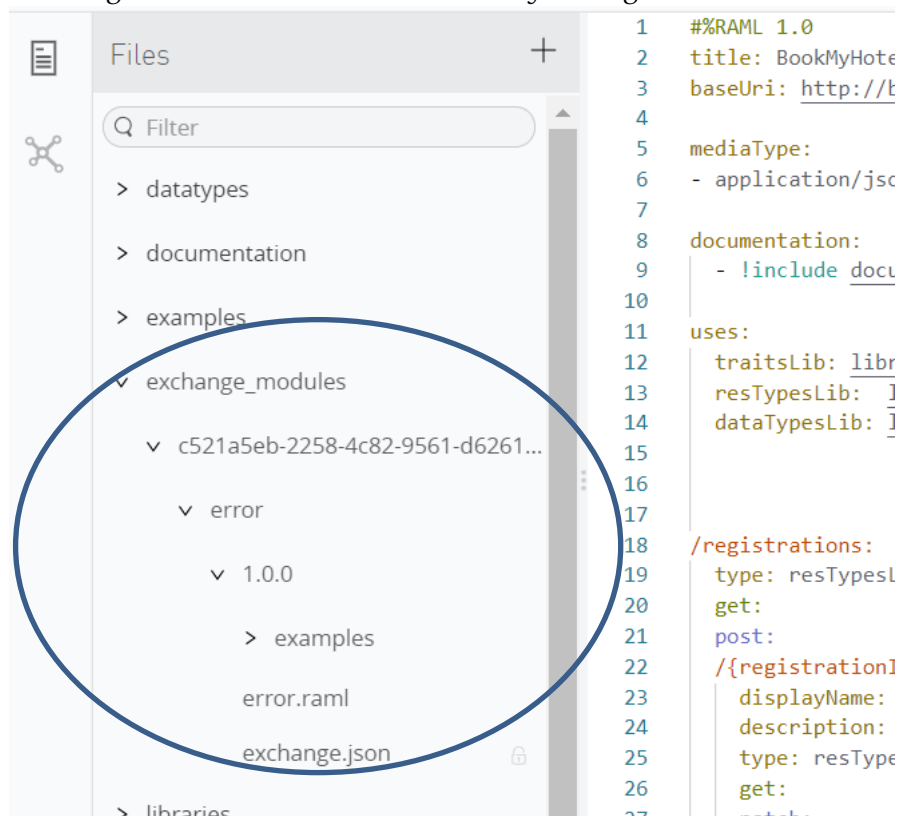


- a. You will go to Files area –



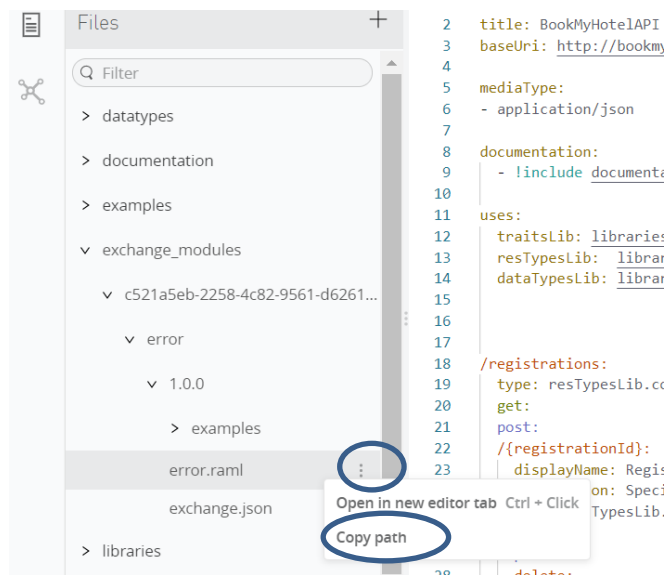
c.

10. Click on exchange\_modules and it will look similar to following –



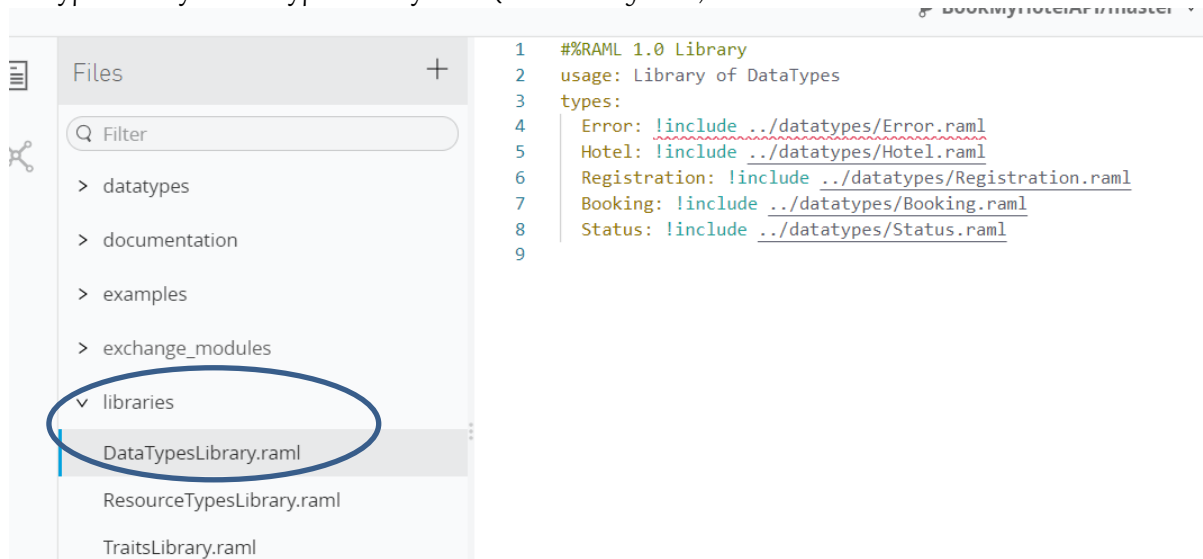
a.

11. Now we will copy the path of error.raml –

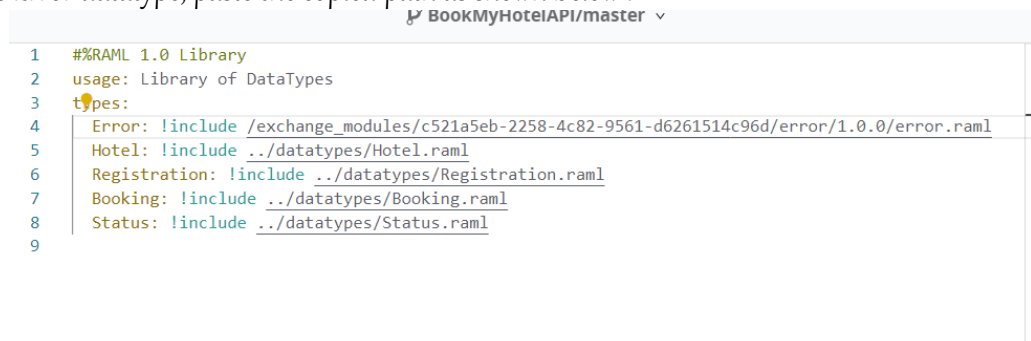


b. Click on three dots near error.raml and click on **copy path**

12. Open Datatypes library – DataTypesLibrary.raml (in libraries folder) –



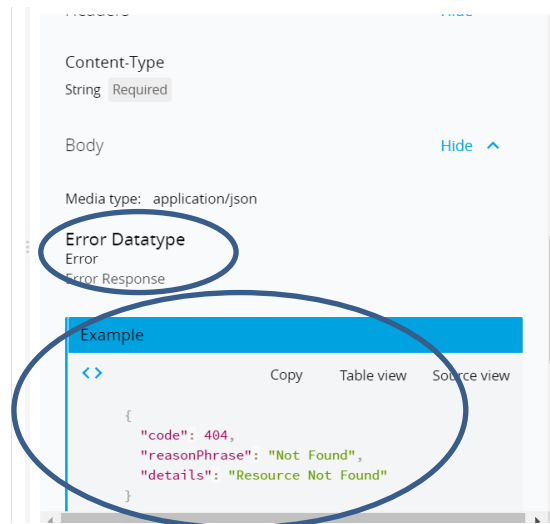
13. For the Error datatype, paste the copied path as shown below :-



b. Your path will be different from mine but this is the way

14. Go to root raml and click on any method of API console

15. Notice that error datatype and example can be seen



a.

*Congratulations, you have completed this step!!*

Congratulations!! You have completed this exercise.