



TGH

Making Integrations Simpler



ATP Database In OIC

Author

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ATP Database in OIC

What is the ATP Database?

Oracle Autonomous Transaction Processing is a fully automated database service optimized to run transactional, analytical, and batch workloads concurrently.

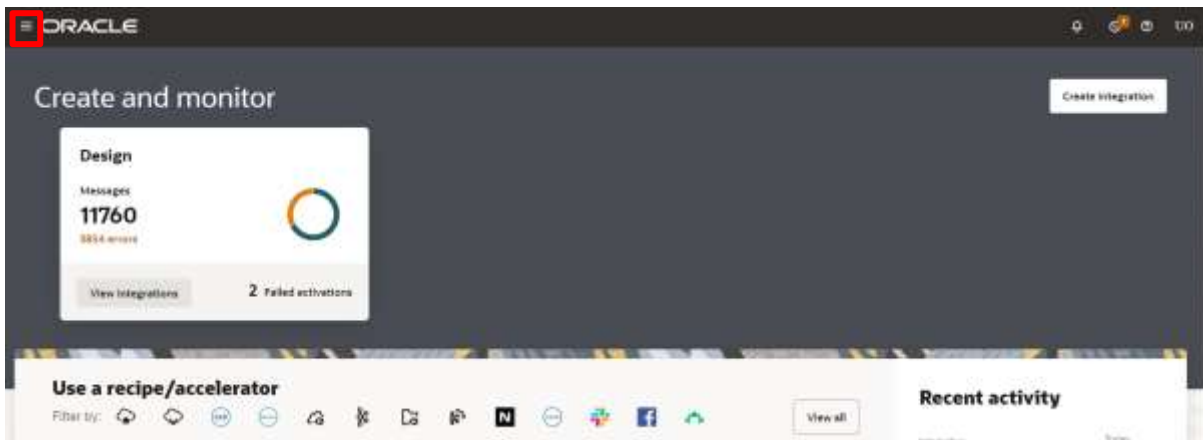
STEP 1: Navigate to the OIC login page using following URL

[https://urldefense.com/v3/ https://design.integration.ca-montreal-1.ocp.oraclecloud.com/?integrationInstance=oic3-partners-bots4saas-yu_!!N8Xdb1VRTUMIZel!iKe6knNXh2u9_9i5pqq8lkQHtL53p8Q3Dvr7sazYsfTRMs8VCH3DKmMQezUh4D7LC281119tZ6eA3D3hEVjoCeNB\\$](https://urldefense.com/v3/https://design.integration.ca-montreal-1.ocp.oraclecloud.com/?integrationInstance=oic3-partners-bots4saas-yu_!!N8Xdb1VRTUMIZel!iKe6knNXh2u9_9i5pqq8lkQHtL53p8Q3Dvr7sazYsfTRMs8VCH3DKmMQezUh4D7LC281119tZ6eA3D3hEVjoCeNB$)

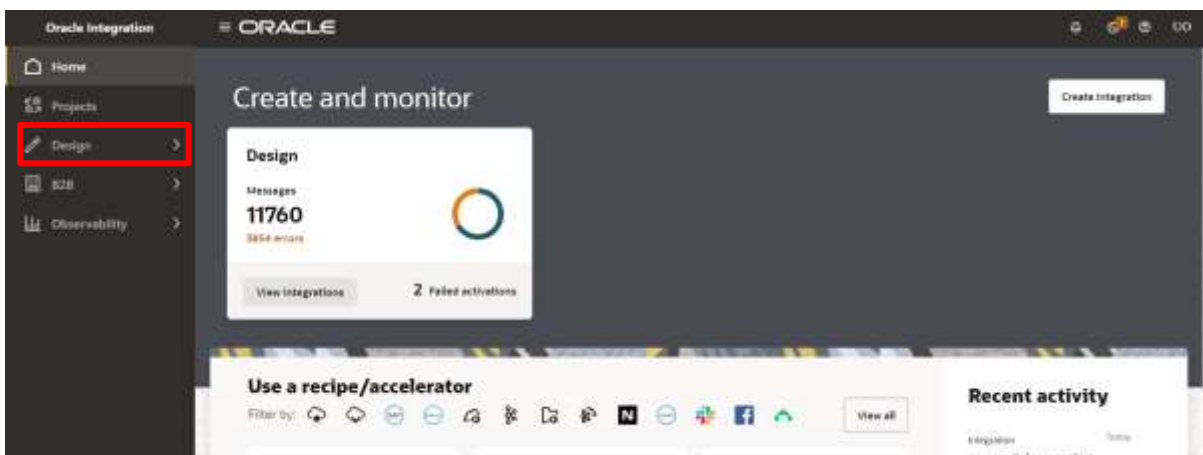
STEP 2: Log in to Oracle Cloud Gen3 and sign in with Credentials



STEP 3: Click on the Hamburger icon as shown in the below image



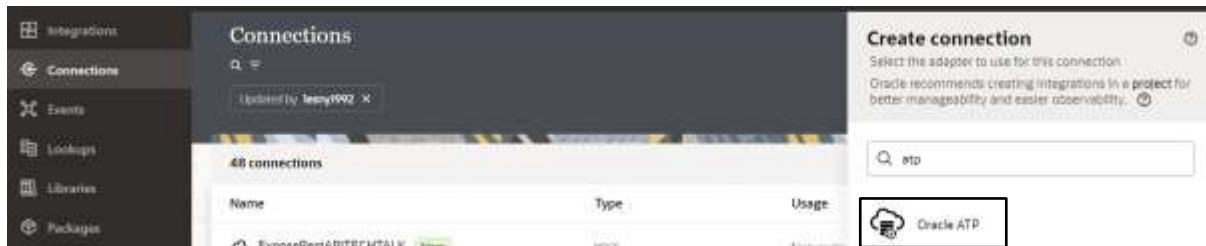
STEP 4: Navigate and click on Design



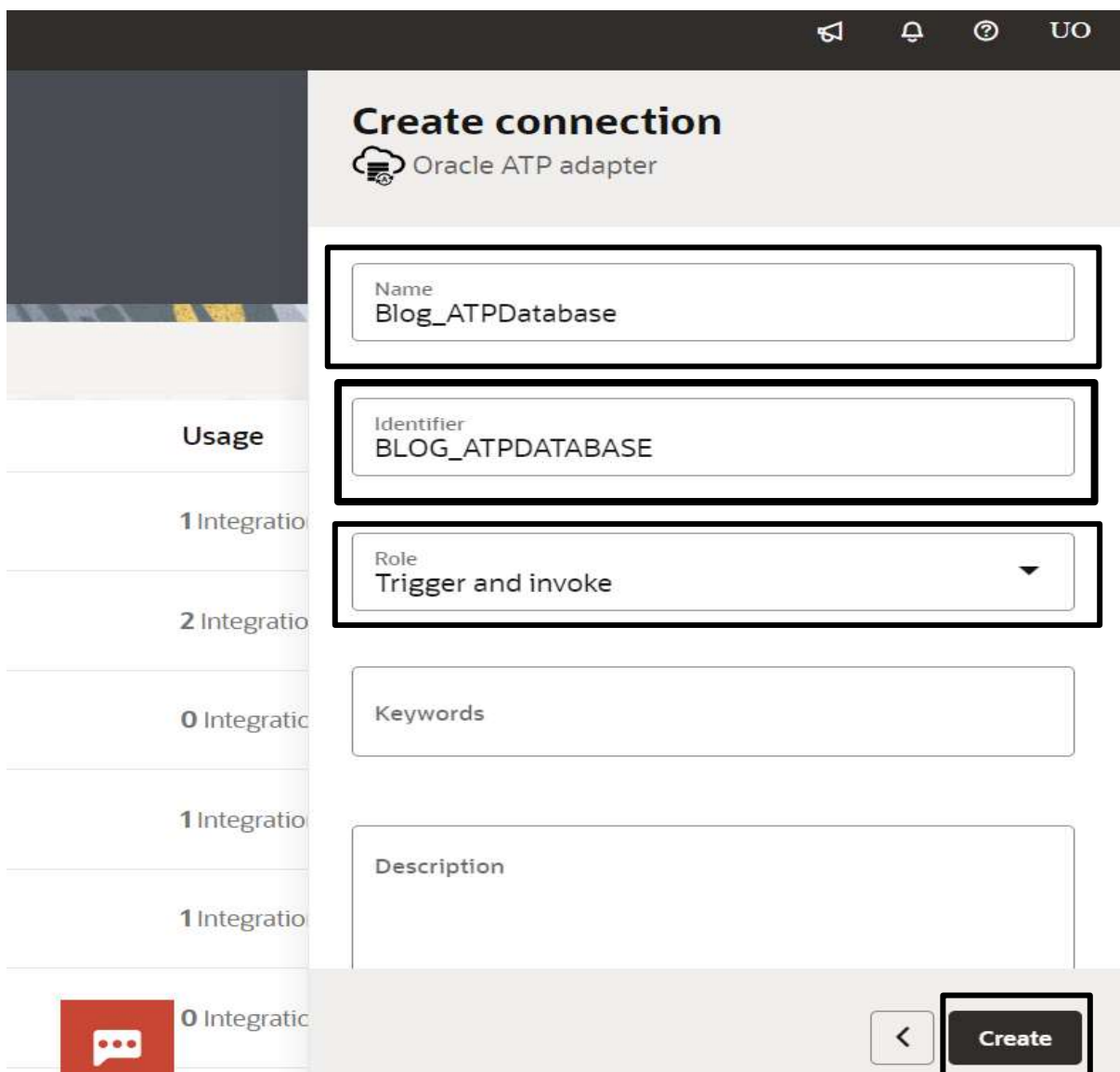
STEP 5: Navigate to Connections and click on 'Create'



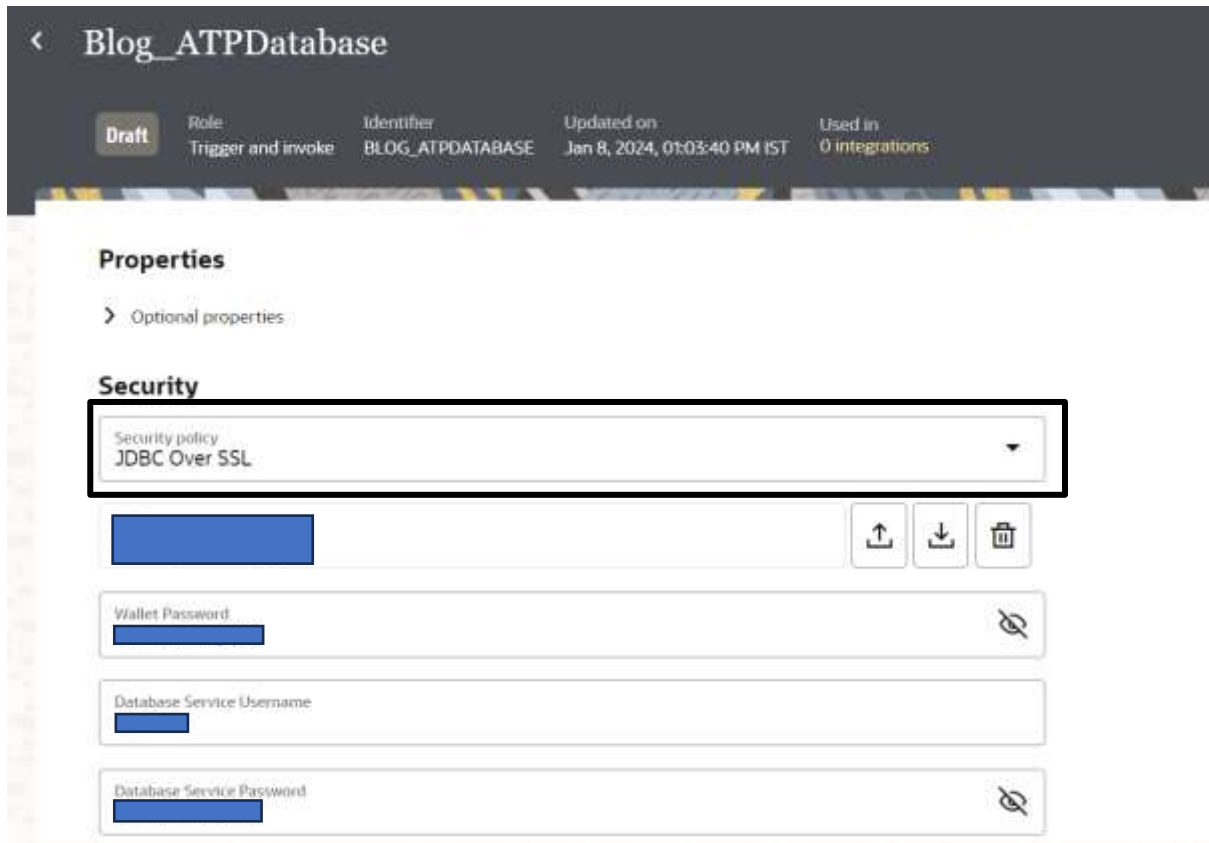
STEP 6: Once the Create connection dialog box opens search for ‘Oracle ATP’ and select it



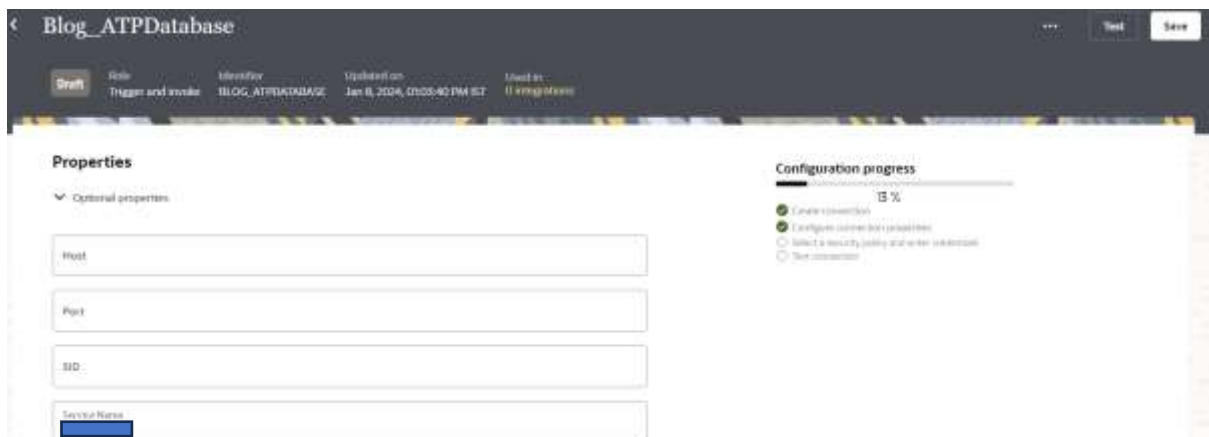
STEP 7: Fill in the details as shown below and select the action as ‘Tigger and invoke’



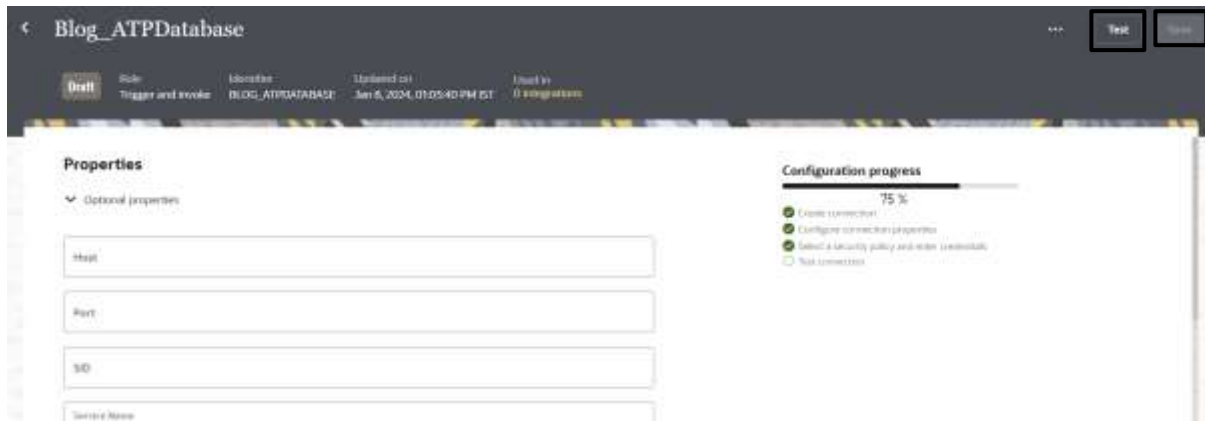
STEP 8: Provide the following credentials as shown below



STEP 9: Navigate to 'Optional properties' and provide the 'Service Name' and click on Save



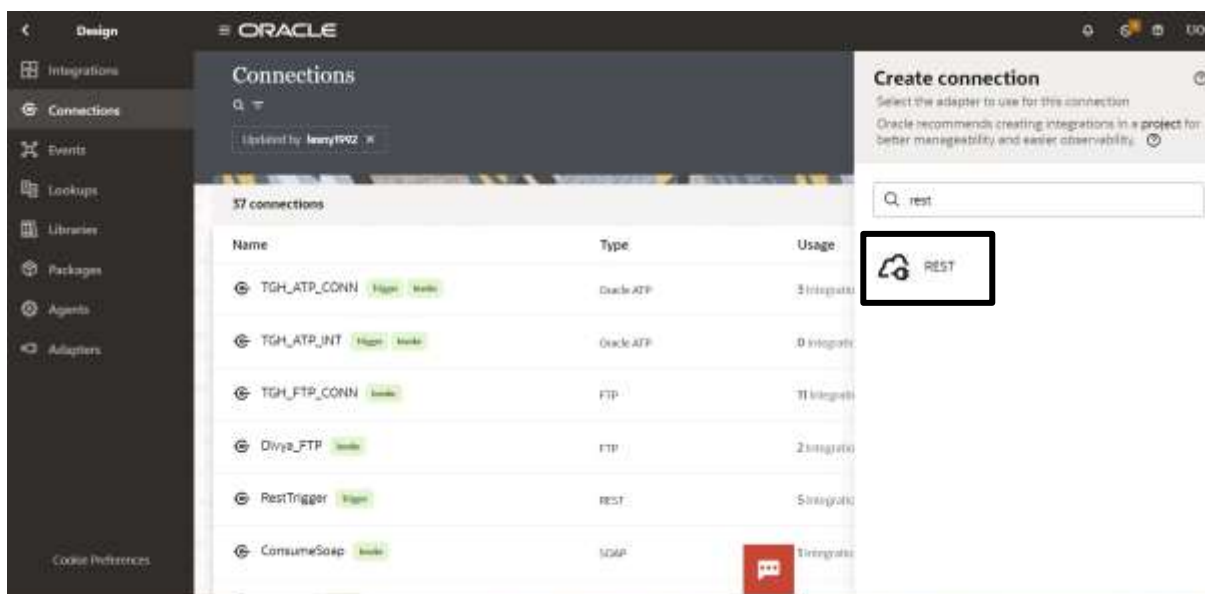
STEP 10: Click on 'Test' to test the configuration and again click on 'Save'



STEP 11: Again navigate to 'Connections' and click on 'Create'

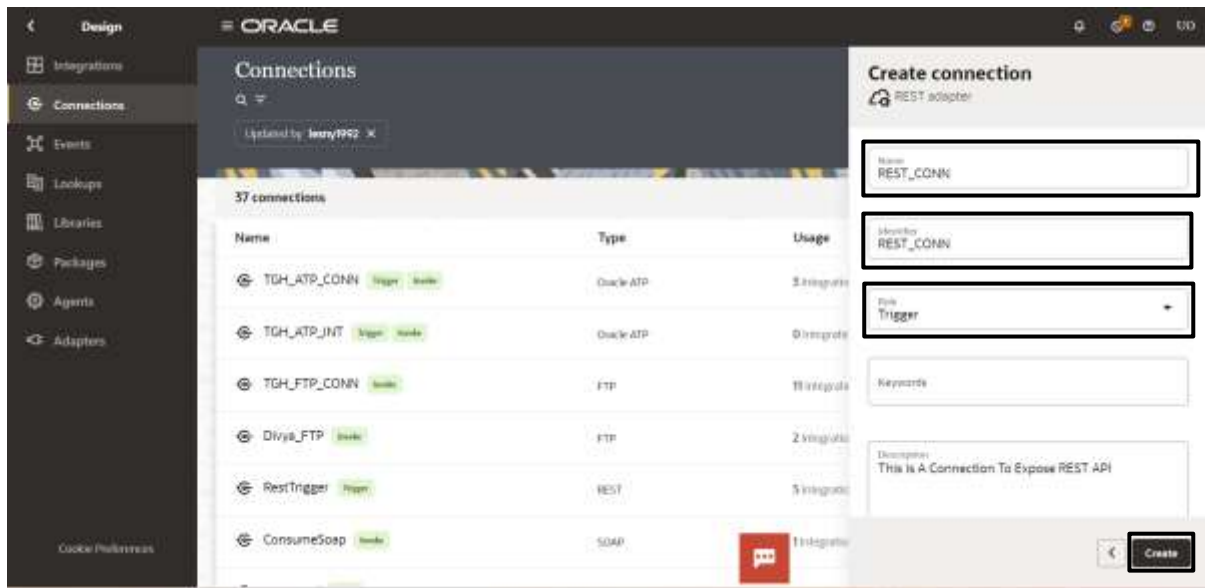


STEP 12: Select REST Connector by clicking on Create connection

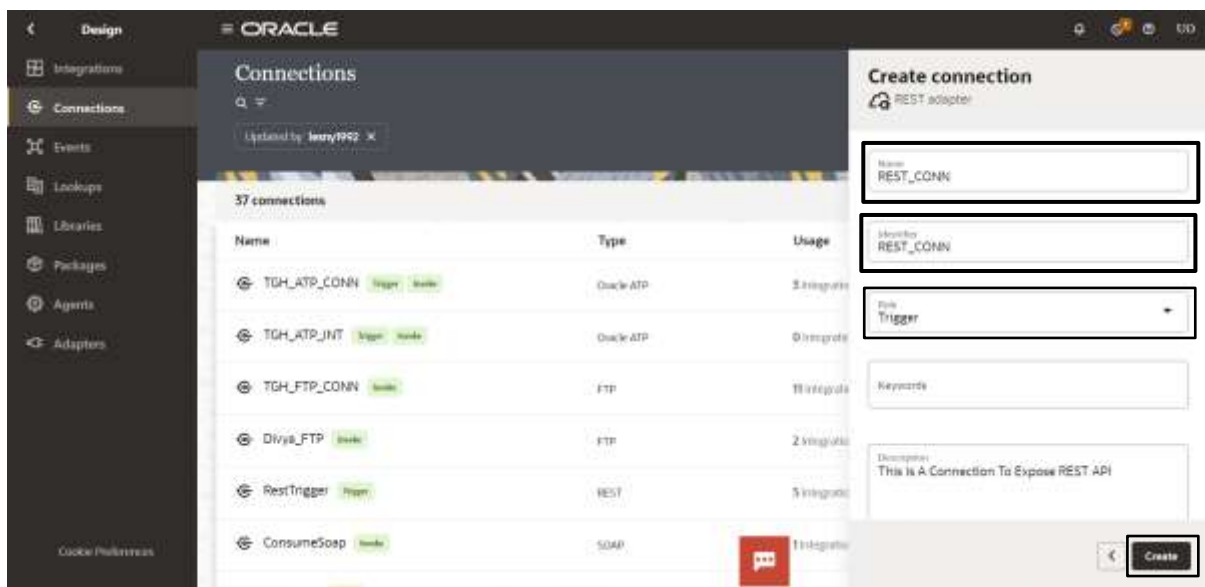


STEP 13: Provide the details as shown below

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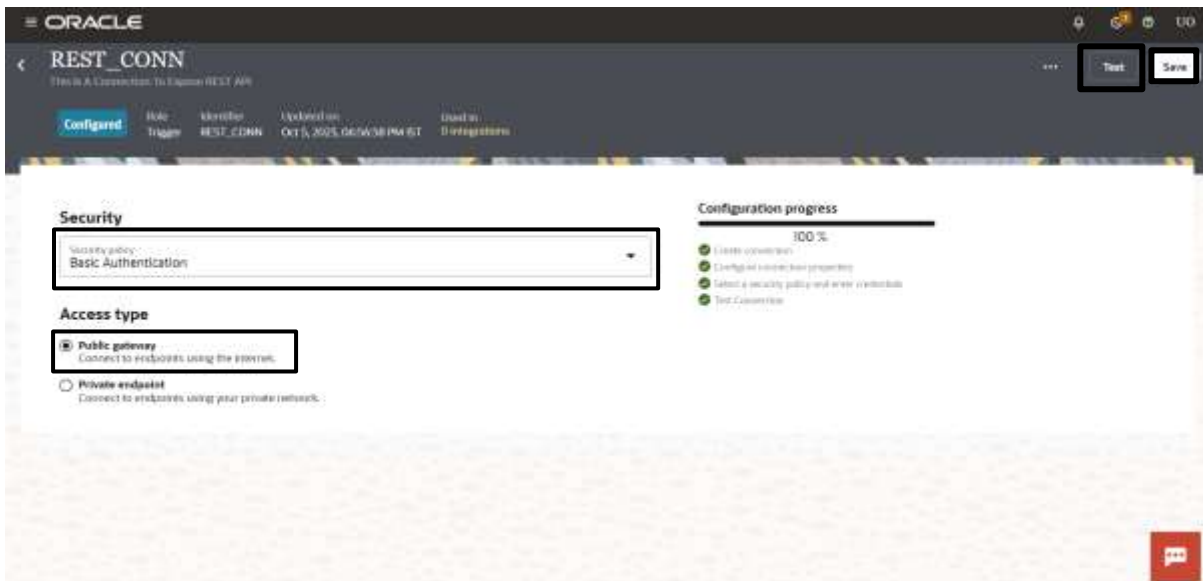


Step 14: Provide the details as shown below

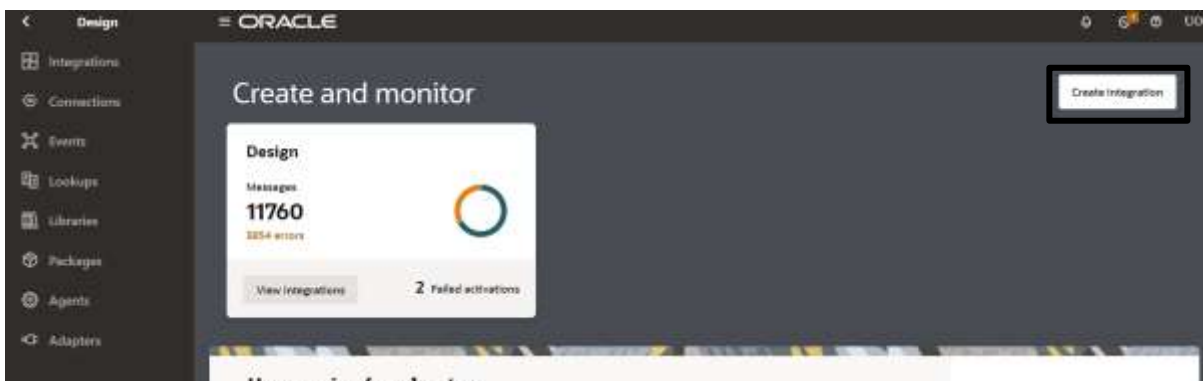


STEP 15: Select the security policy as “Basic Authentication” and click on ‘Test’ followed by ‘Save’

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STEP 16: Navigate to Integrations

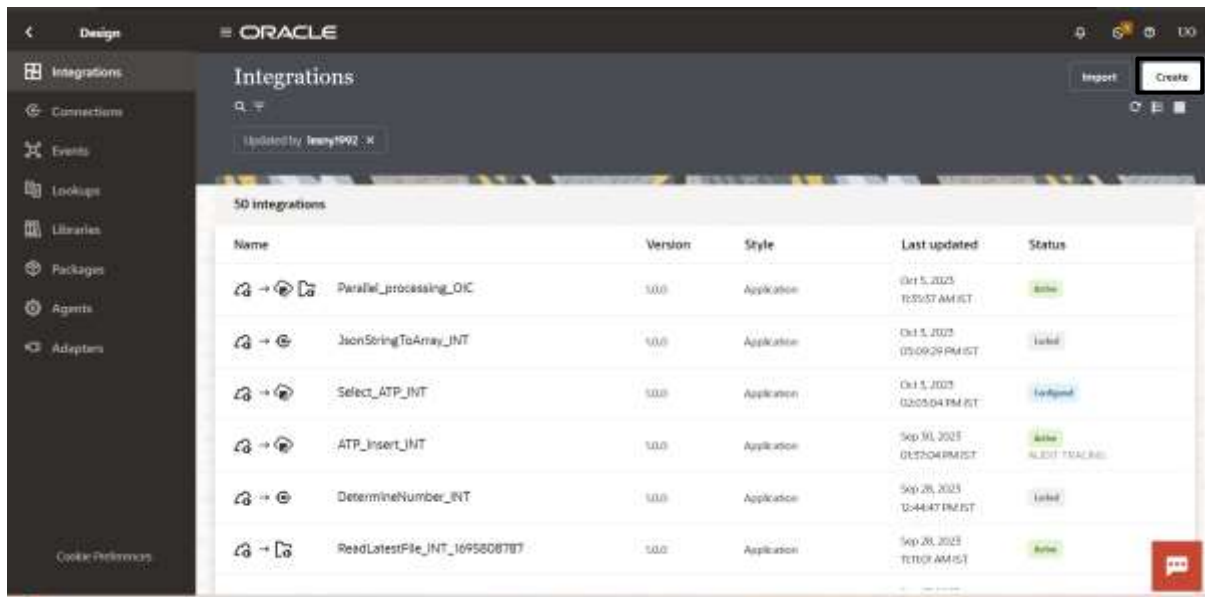


STEP 17: Click on “Create” to create a new process

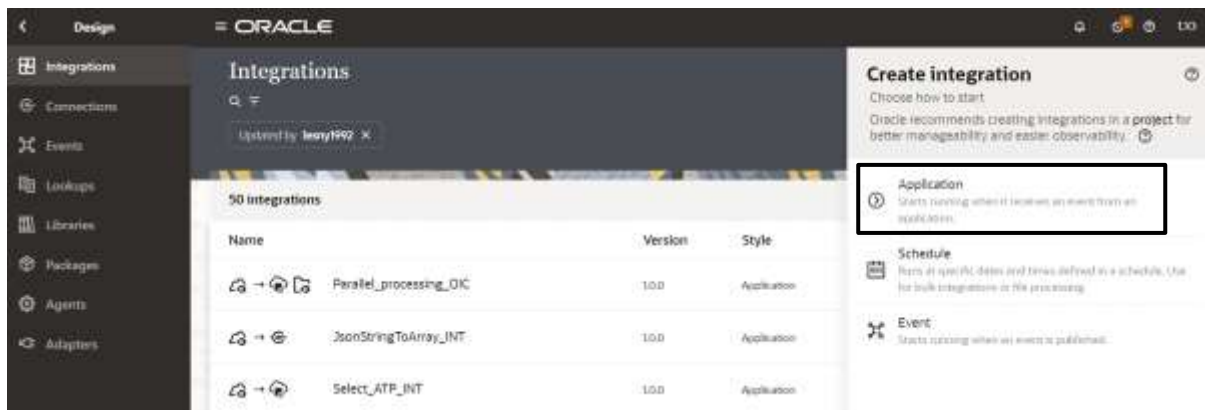
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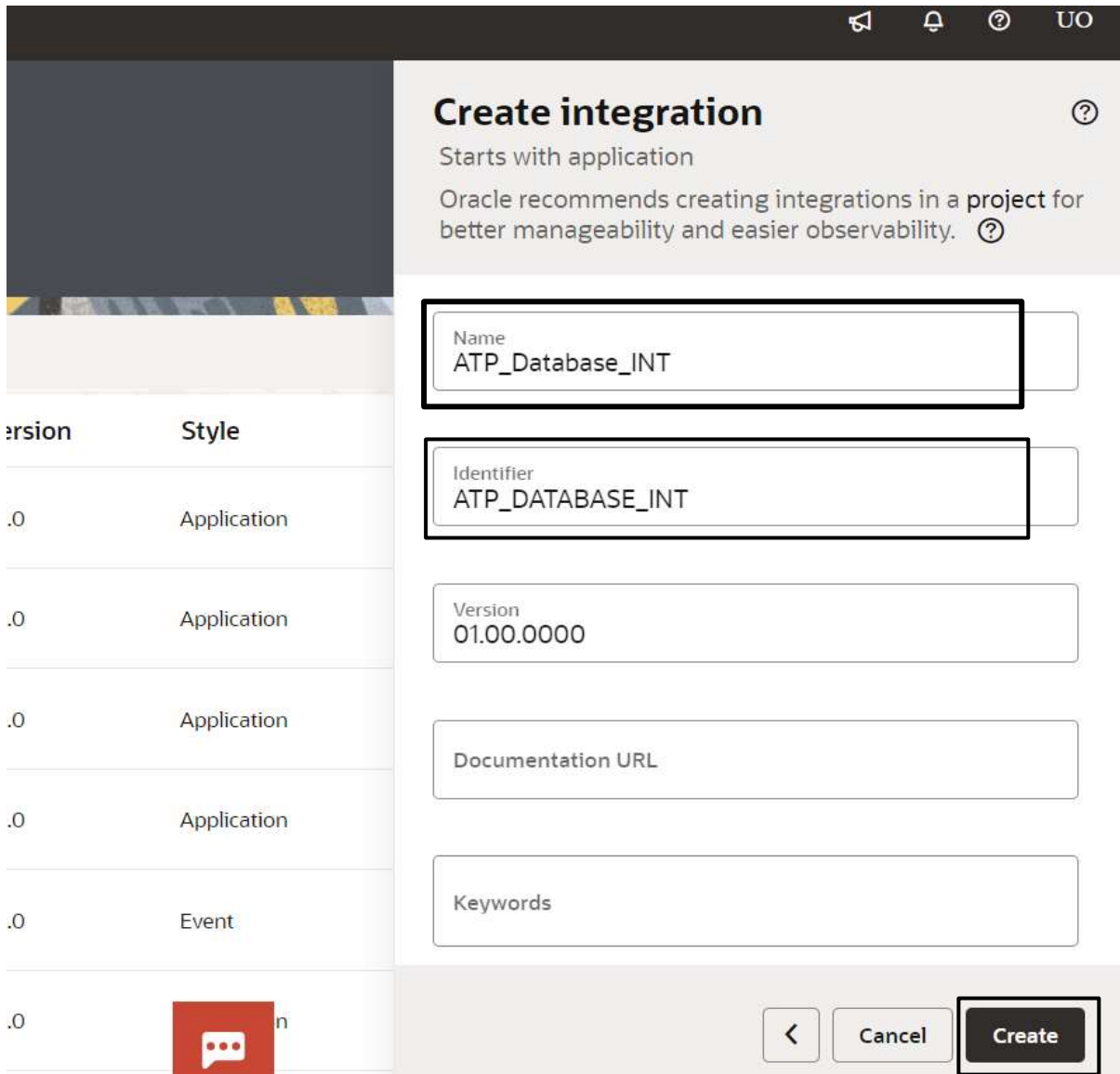




STEP 18: Select “Application” to create an integration



STEP 19: Provide the following details as shown below



Create integration ⓘ

Starts with application

Oracle recommends creating integrations in a **project** for better manageability and easier observability. ⓘ

Name
ATP_Database_INT

Identifier
ATP_DATABASE_INT

Version
01.00.0000

Documentation URL

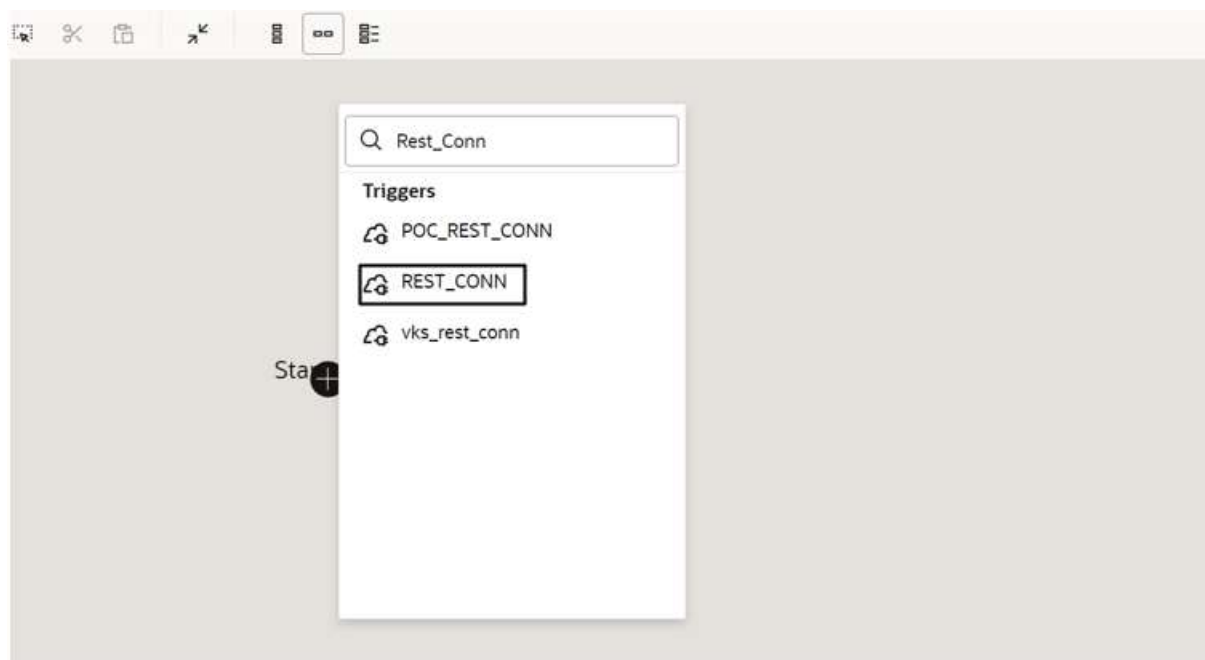
Keywords

< Cancel **Create**

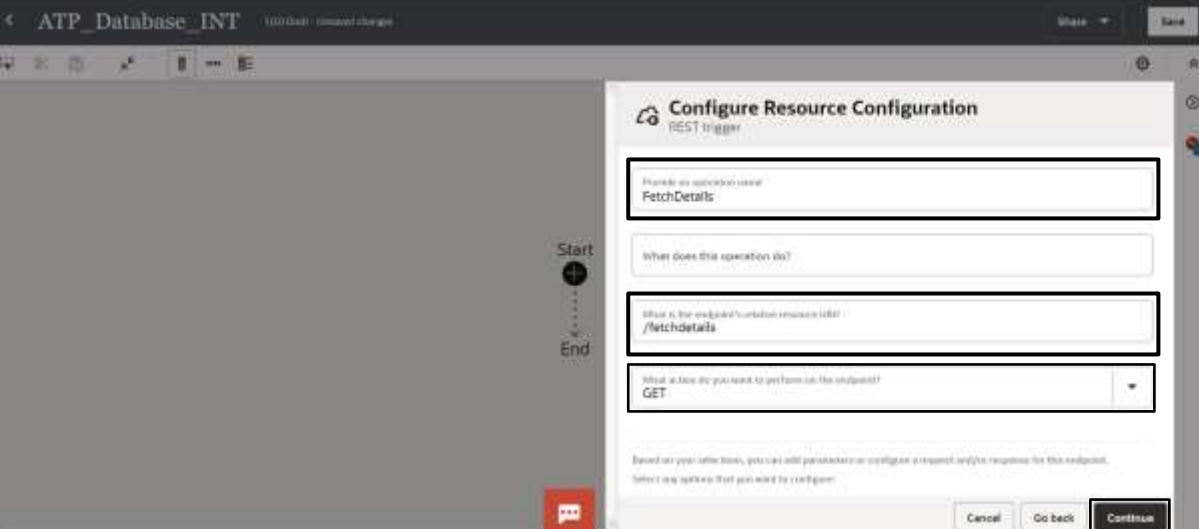
STEP 20: A page like below will open for creating processes




STEP 21: Select the Rest Connector shown below



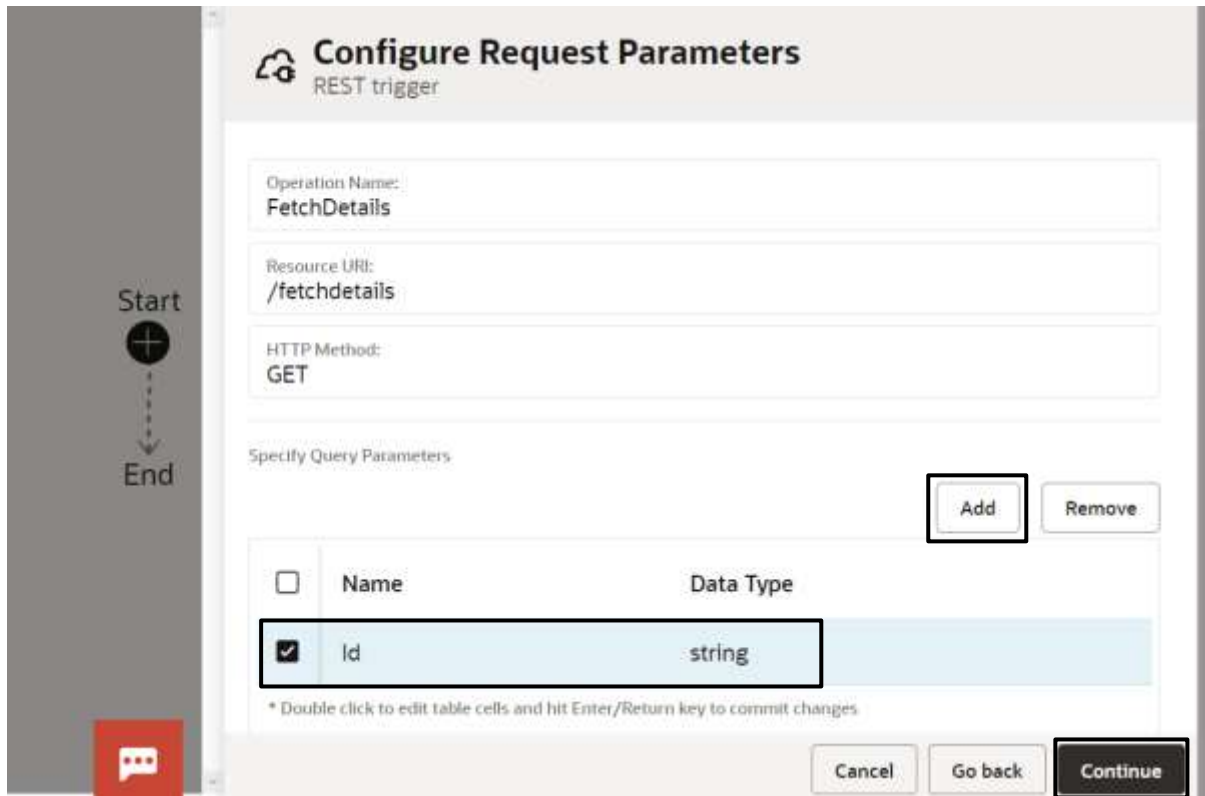
STEP 22: Provide the following details as shown below image and select the HTTP method as 'Get' and provide the resource URL



STEP 23: Select the 2 checkboxes as shown below to add 'Query Parameter' and to add 'Response Profile' respectively



STEP 24: Add the ‘Query Parameter’ and click on continue as shown below



Configure Request Parameters
REST trigger

Operation Name:

Resource URI:

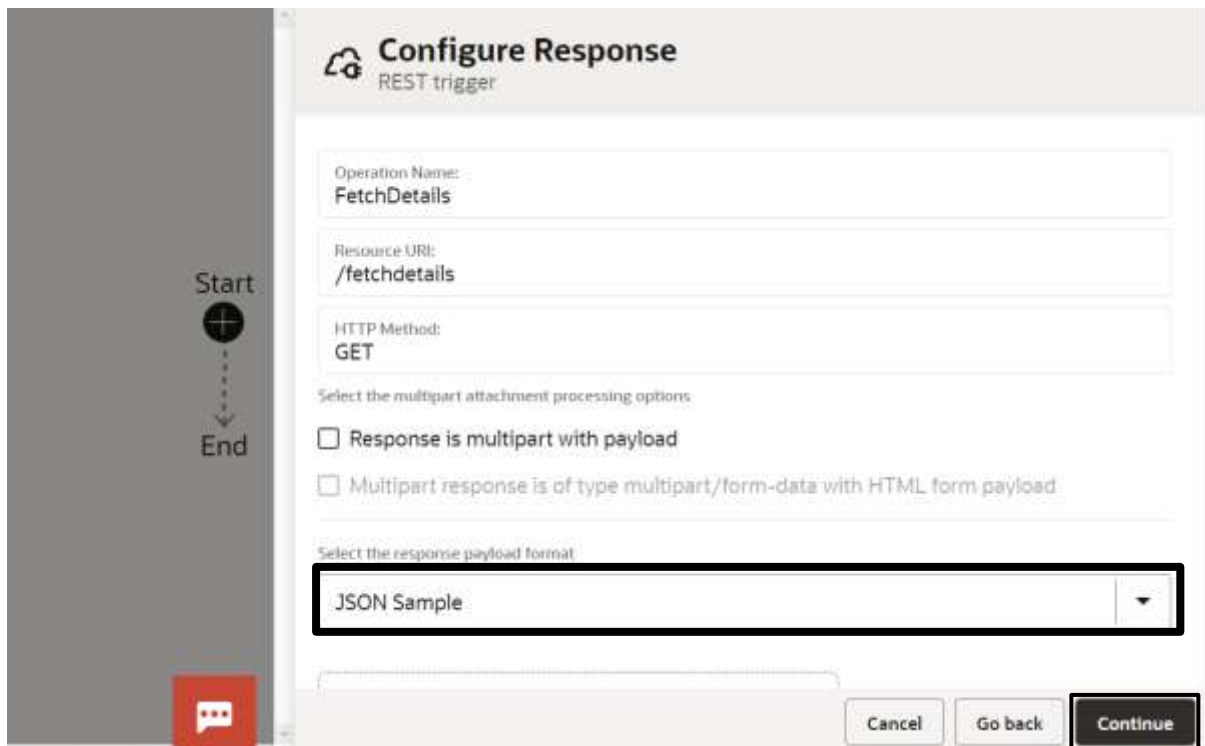
HTTP Method:

Specify Query Parameters

<input type="checkbox"/>	Name	Data Type
<input checked="" type="checkbox"/>	Id	string

* Double click to edit table cells and hit Enter/Return key to commit changes

STEP 25: Select the response payload format as ‘JSON Sample’



Configure Response
REST trigger

Operation Name:

Resource URI:

HTTP Method:

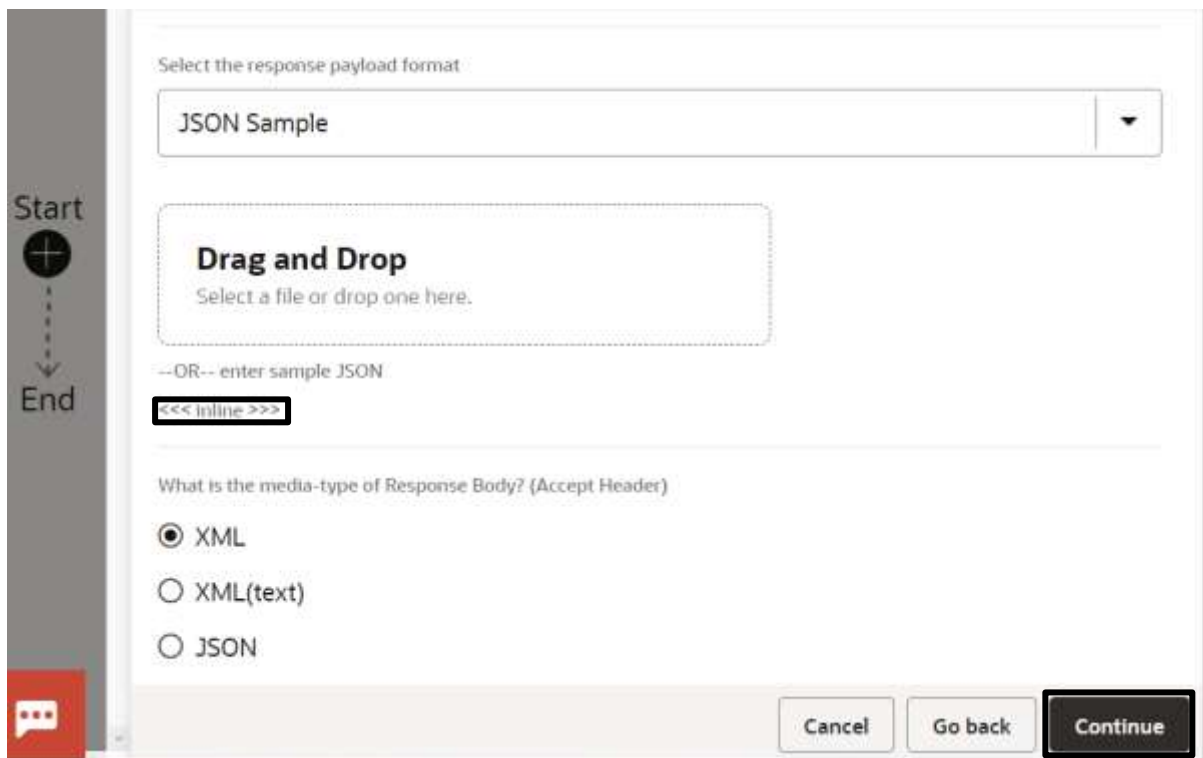
Select the multipart attachment processing options

Response is multipart with payload

Multipart response is of type multipart/form-data with HTML form payload

Select the response payload format

STEP 26: Click on 'Inline' to provide the response sample profile



Select the response payload format

JSON Sample

Drag and Drop
Select a file or drop one here.

--OR-- enter sample JSON

<<

What is the media-type of Response Body? (Accept Header)

XML

XML(text)

JSON

Cancel Go back Continue

STEP 27: Provide the response profile in below format and click on continue



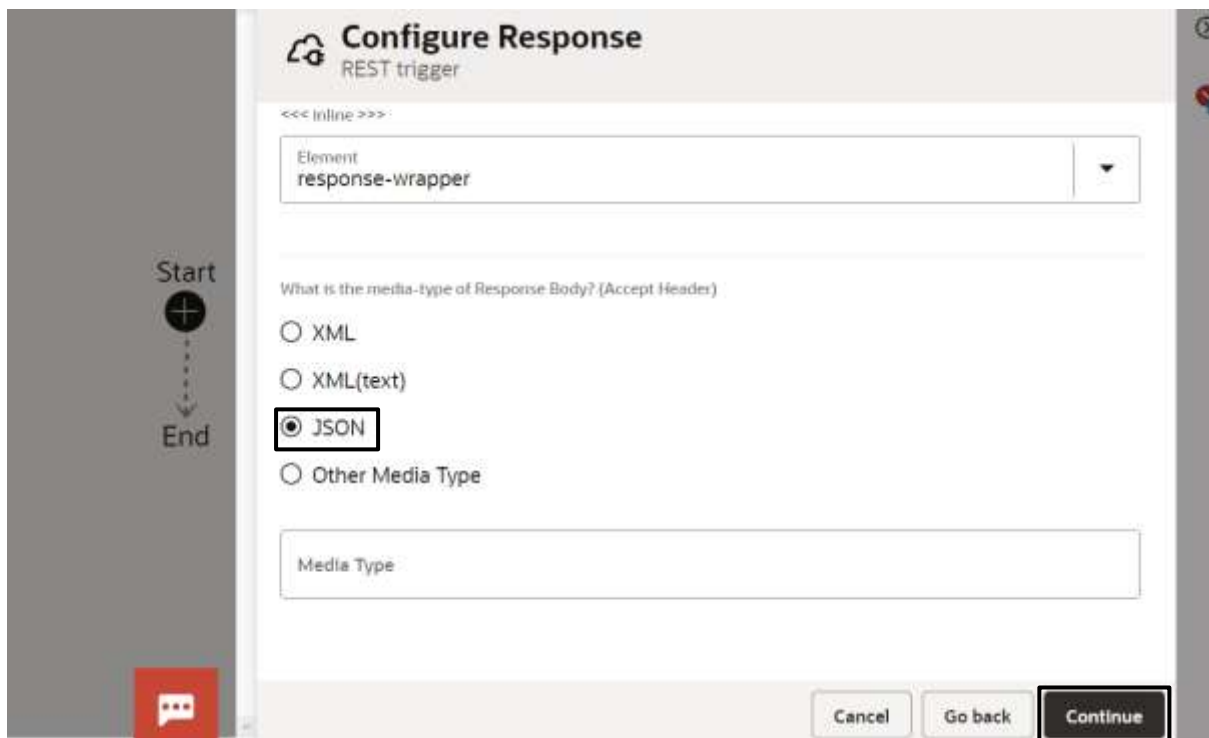
Configure Response
REST trigger

Enter Sample JSON

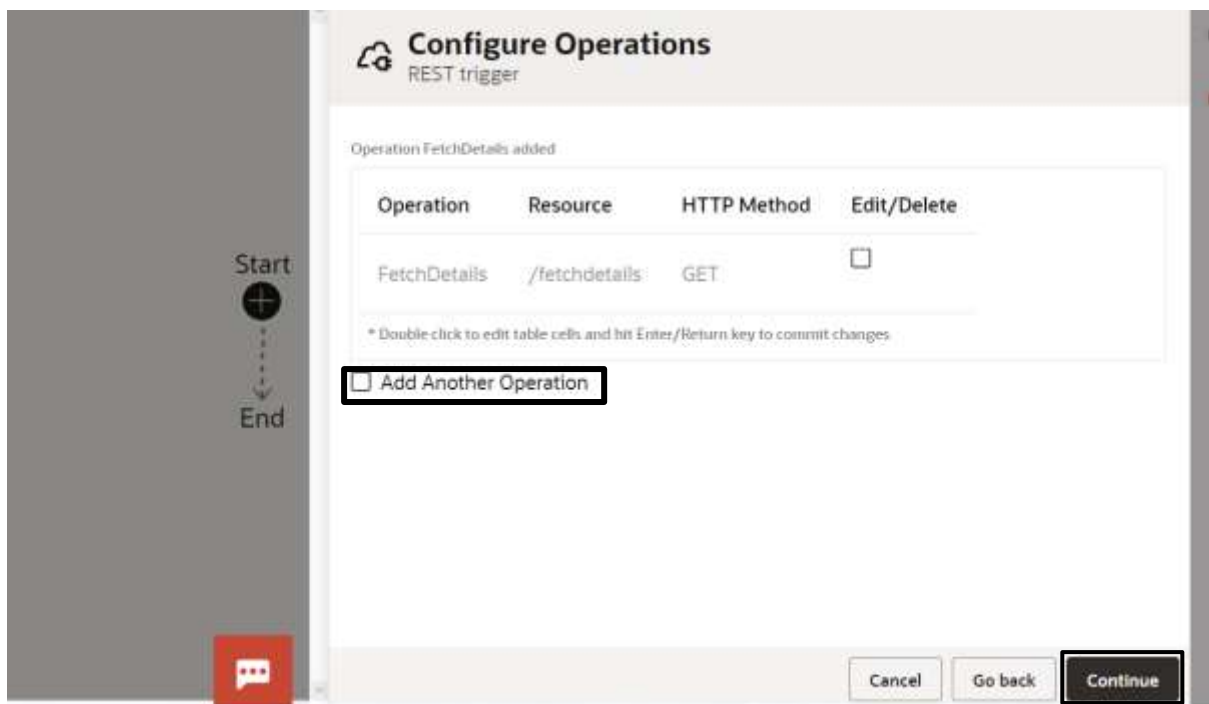
```
{
  "Id": "123",
  "Name": "TGH",
  "Address": "TGH"
}
```

Cancel Go back Continue

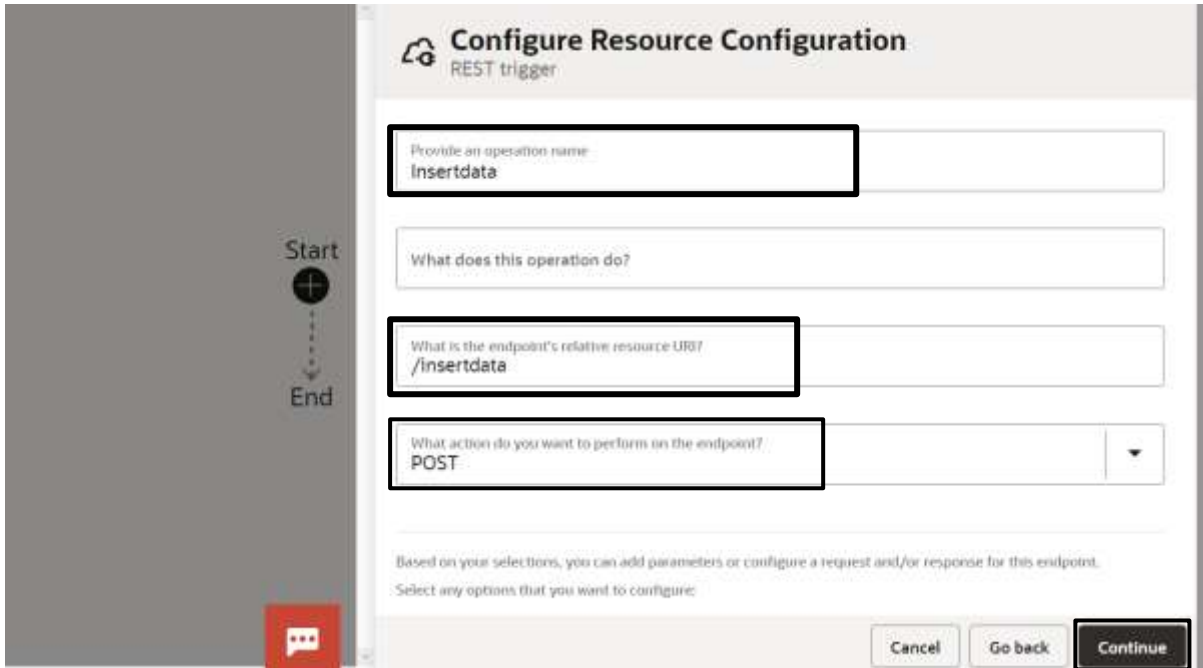
STEP 28: Select the media-type of Response Body as JSON



STEP 29: Click on the checkbox for “Add Another Operation” and click on Continue



STEP 30: Provide the details as shown below



Configure Resource Configuration
REST trigger

Provide an operation name:
Insertdata

What does this operation do?

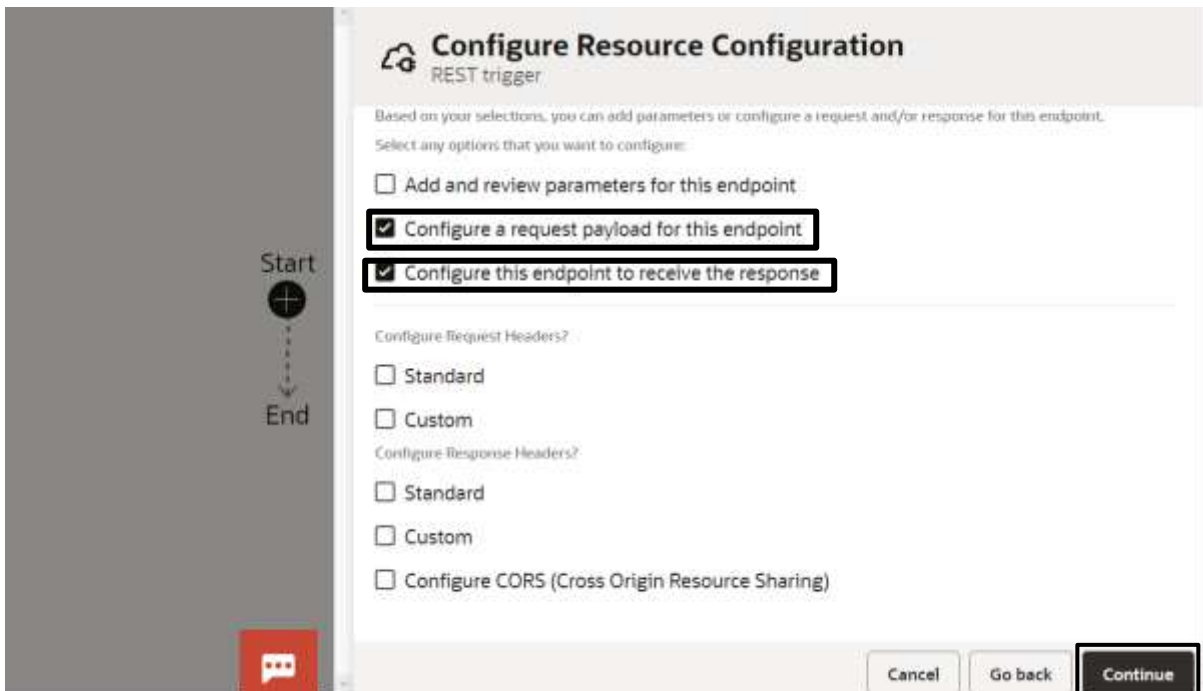
What is the endpoint's relative resource URI?
/insertdata

What action do you want to perform on the endpoint?
POST

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

Cancel Go back **Continue**

STEP 31: Select the checkbox shown in the below image



Configure Resource Configuration
REST trigger

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

Add and review parameters for this endpoint

Configure a request payload for this endpoint

Configure this endpoint to receive the response

Configure Request Headers?

Standard

Custom

Configure Response Headers?

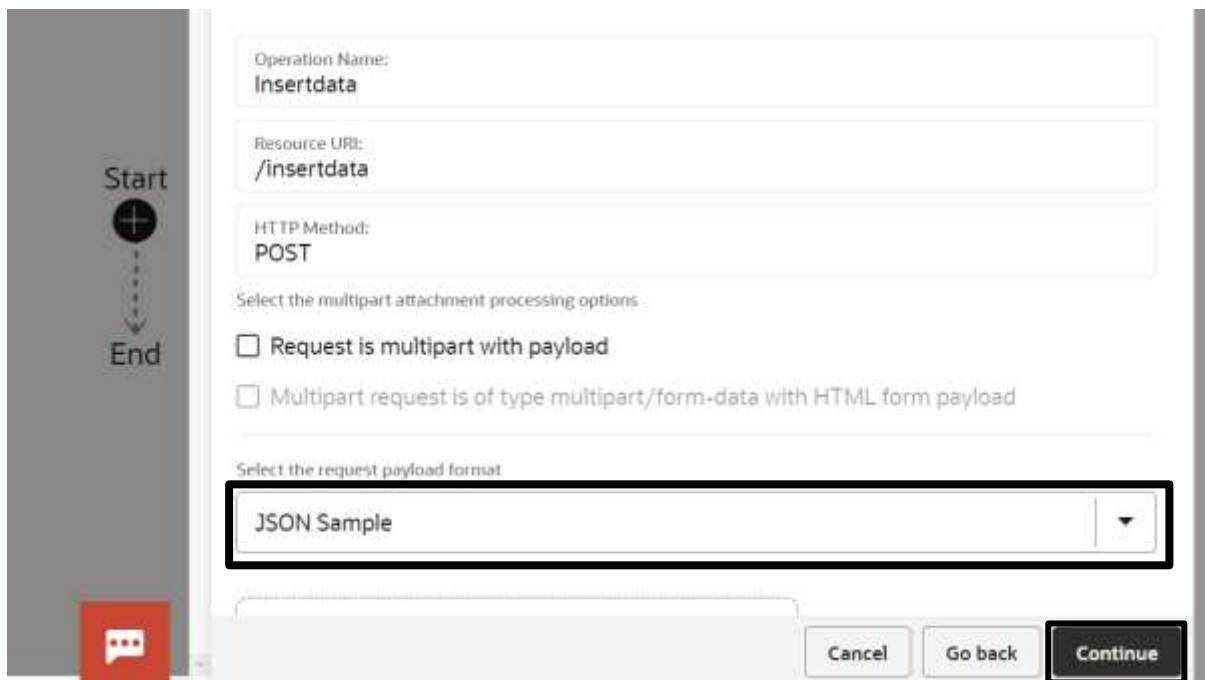
Standard

Custom

Configure CORS (Cross Origin Resource Sharing)

Cancel Go back **Continue**

STEP 32: Select the requested profile as ‘JSON Sample’ and click on Continue



Start
+
↓
End

Operation Name:
Insertdata

Resource URI:
/insertdata

HTTP Method:
POST

Select the multipart attachment processing options

Request is multipart with payload

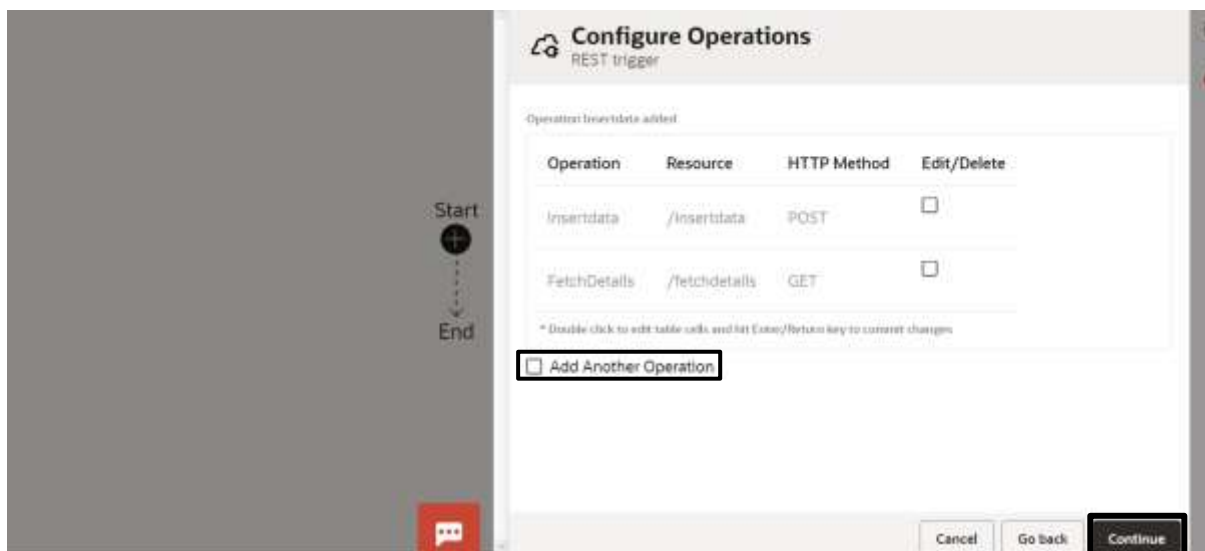
Multipart request is of type multipart/form-data with HTML form payload

Select the request payload format

JSON Sample

Cancel Go back **Continue**

STEP 33: Select the checkbox “Add Another Operation” and click on Continue



Configure Operations
REST trigger

Operation Insertdata added

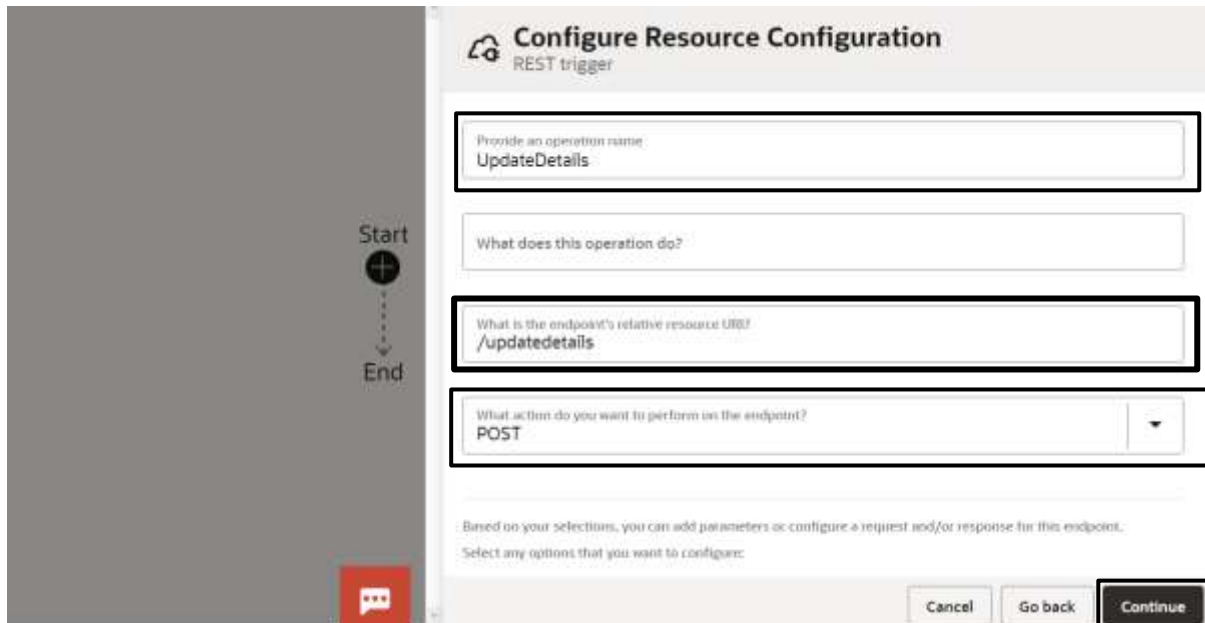
Operation	Resource	HTTP Method	Edit/Delete
Insertdata	/insertdata	POST	<input type="checkbox"/>
FetchDetails	/fetchdetails	GET	<input type="checkbox"/>

* Double click to edit table cells, and hit Enter/Return key to commit changes

Add Another Operation

Cancel Go back **Continue**

STEP 34: Provide the details below. Select the action as 'POST' and click on continue



Configure Resource Configuration
REST trigger

Provide an operation name:
UpdateDetails

What does this operation do?

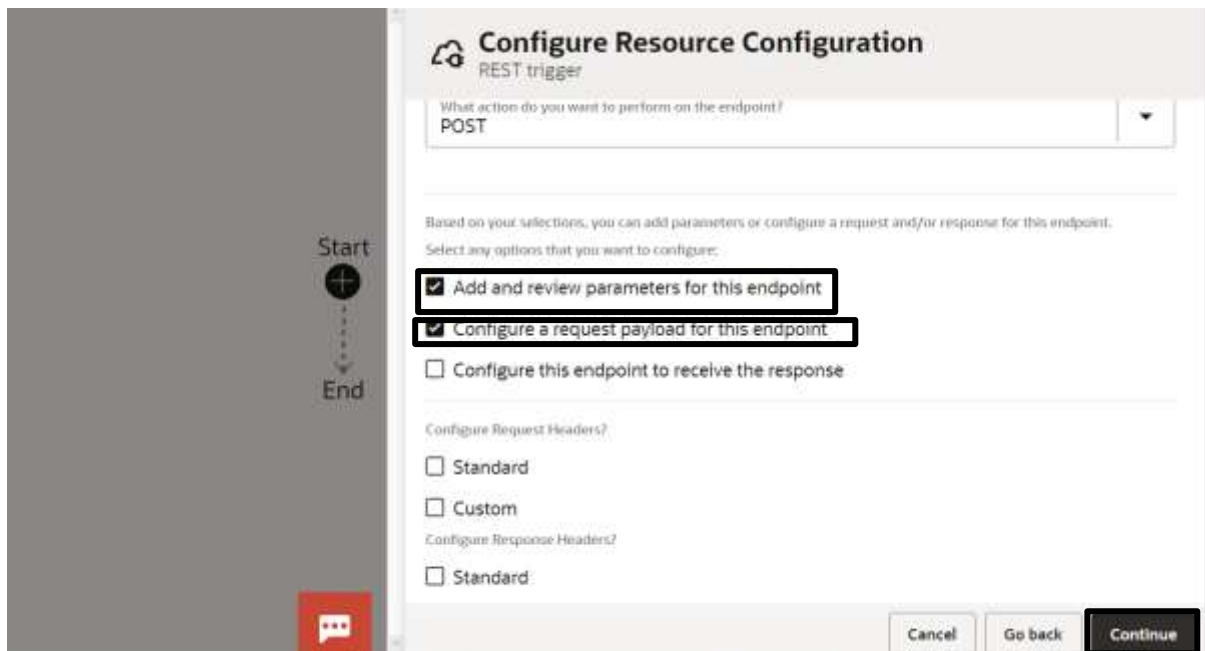
What is the endpoint's relative resource URI?
/updatedetails

What action do you want to perform on the endpoint?
POST

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

Cancel Go back **Continue**

STEP 35: Select the 2 checkboxes like shown below to receive 'Query Parameter' and 'Request Payload' and click continue



Configure Resource Configuration
REST trigger

What action do you want to perform on the endpoint?
POST

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

Add and review parameters for this endpoint

Configure a request payload for this endpoint

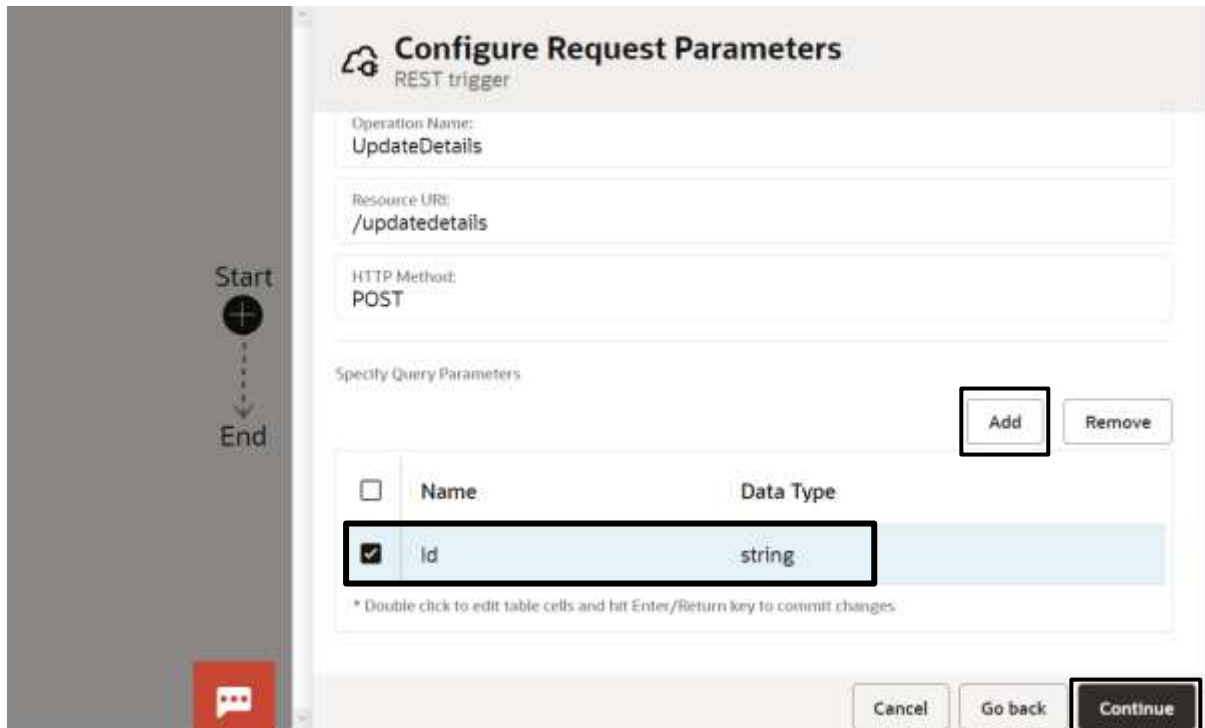
Configure this endpoint to receive the response

Configure Request Headers?
 Standard
 Custom

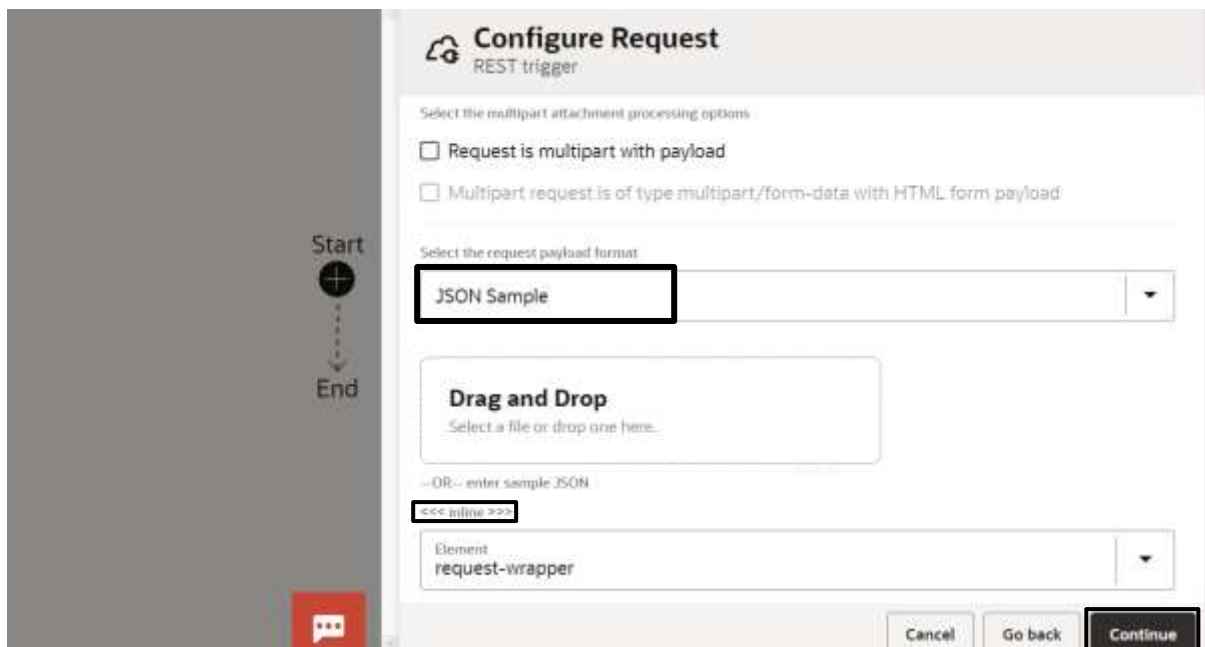
Configure Response Headers?
 Standard

Cancel Go back **Continue**

STEP 36: Add the query parameter ‘Id’ and select the Data Type as ‘String’ and click on Continue



STEP 37: Select the request payload as JSON Sample and click on ‘Inline’



STEP 38: Provide the requested profile shown below and click on Continue



Configure Request
REST trigger

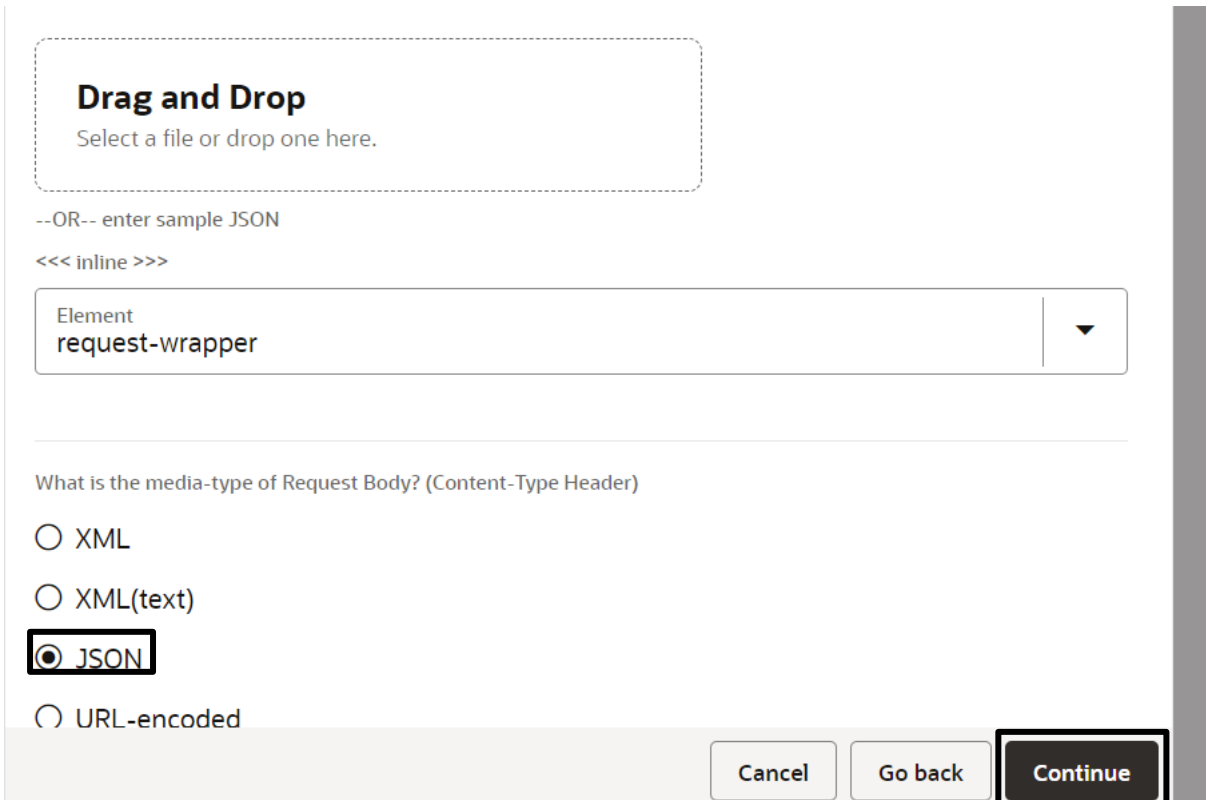
Enter Sample JSON

```
{  
  "ID": "",  
  "NAME": "",  
  "ADDRESS": ""  
}
```

Start
End

Cancel Continue

STEP 39: Select the Request Body as JSON and click on Continue



Drag and Drop
Select a file or drop one here.

--OR-- enter sample JSON

<<< inline >>>

Element
request-wrapper

What is the media-type of Request Body? (Content-Type Header)

XML

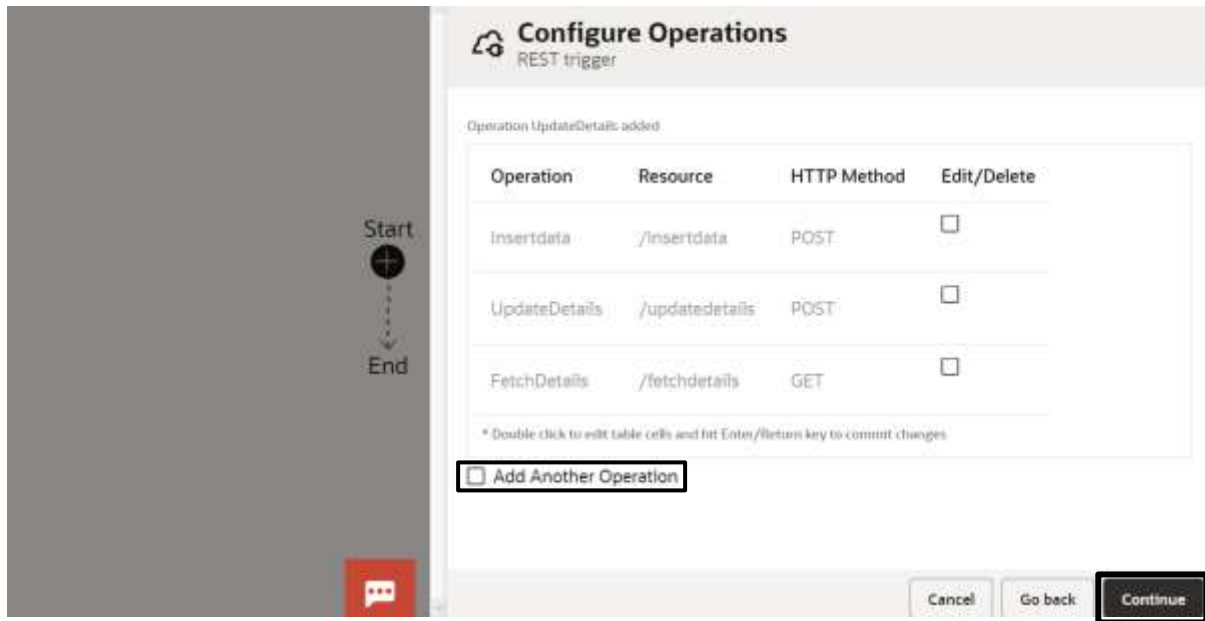
XML(text)

JSON

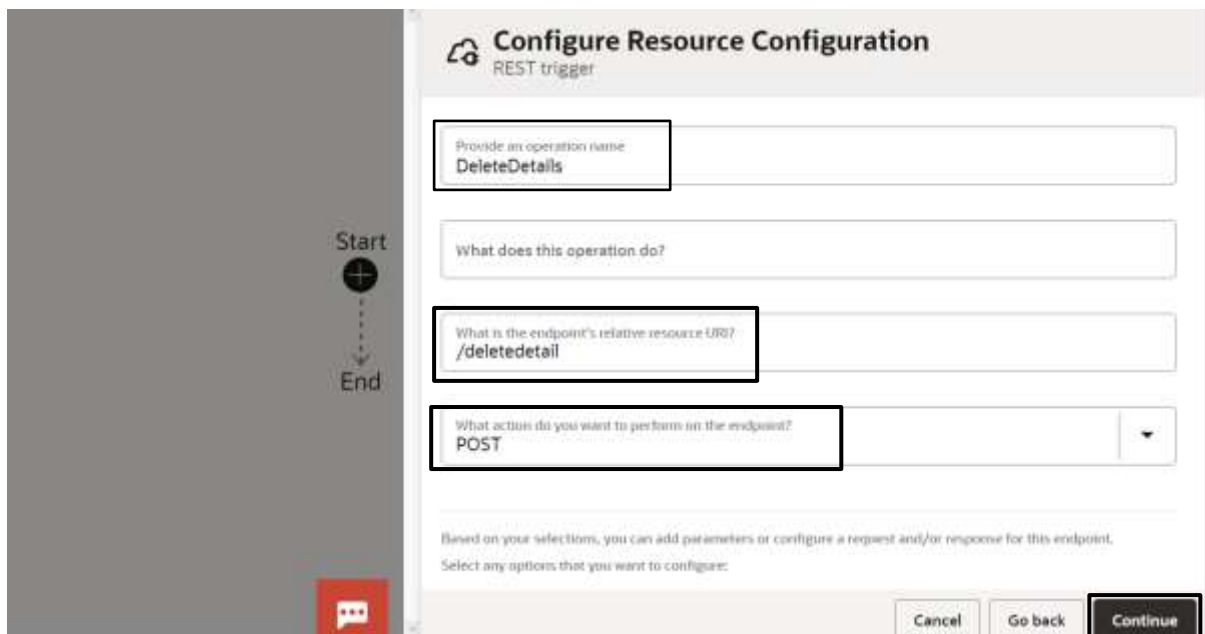
URL-encoded

Cancel Go back Continue

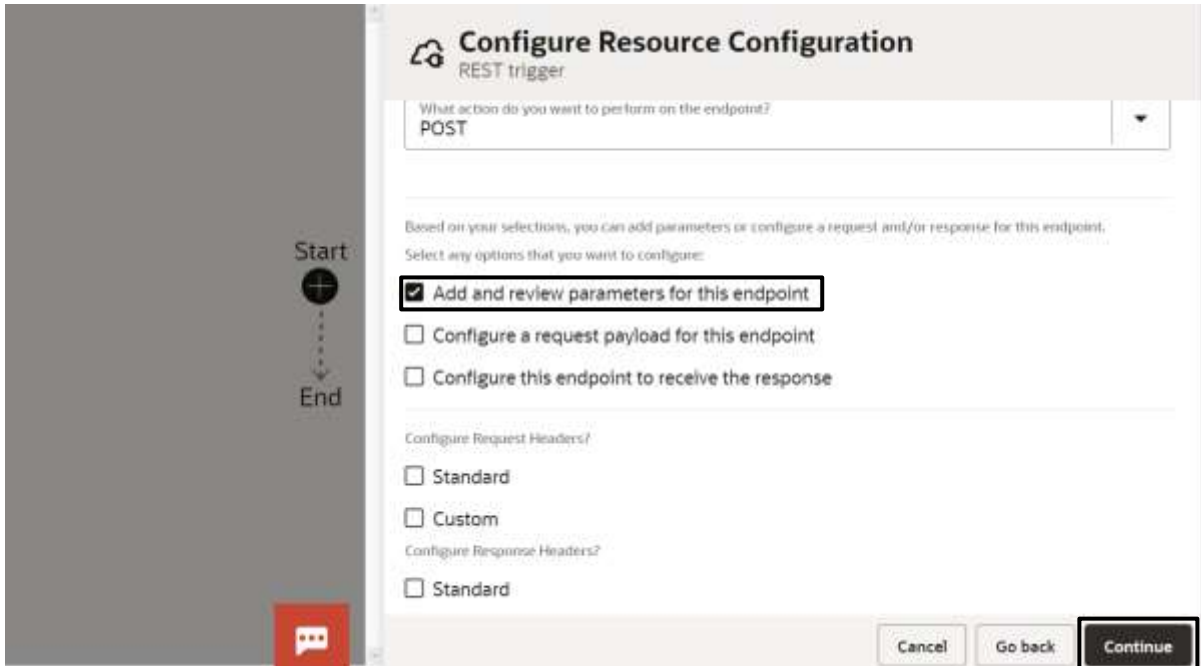
STEP 40: Select the checkbox “Add Another Operation” and click on Continue



STEP 41: Provide the following details as shown in below image and select the action as ‘POST’



STEP 42: Select the checkbox to receive the query parameter and click on continue



Configure Resource Configuration
REST trigger

What action do you want to perform on the endpoint?
POST

Based on your selections, you can add parameters or configure a request and/or response for this endpoint.
Select any options that you want to configure:

- Add and review parameters for this endpoint
- Configure a request payload for this endpoint
- Configure this endpoint to receive the response

Configure Request Headers?

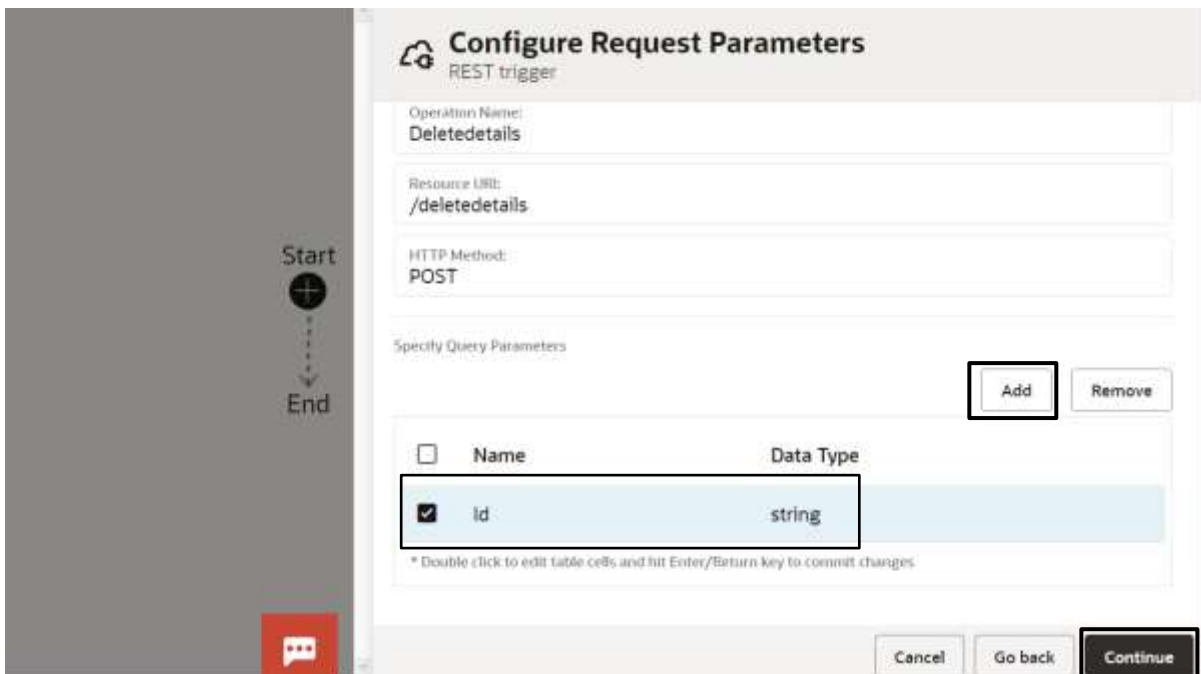
- Standard
- Custom

Configure Response Headers?

- Standard

Buttons: Cancel, Go back, Continue

STEP 43: Click on 'ADD' to add 'Query Parameter' like the below image select 'Data Type' as 'String' and click on continue



Configure Request Parameters
REST trigger

Operation Name:
Deletedetails

Resource URI:
/deletedetails

HTTP Method:
POST

Specify Query Parameters

Buttons: Add, Remove

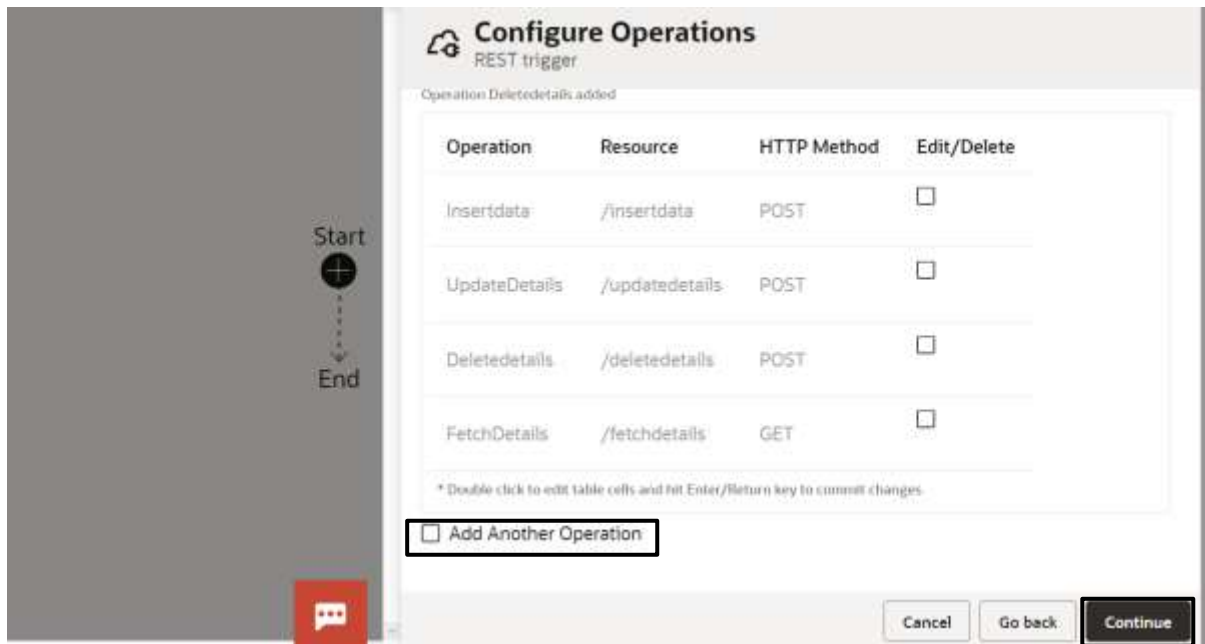
<input type="checkbox"/>	Name	Data Type
<input checked="" type="checkbox"/>	Id	string

* Double click to edit table cells and hit Enter/Return key to commit changes

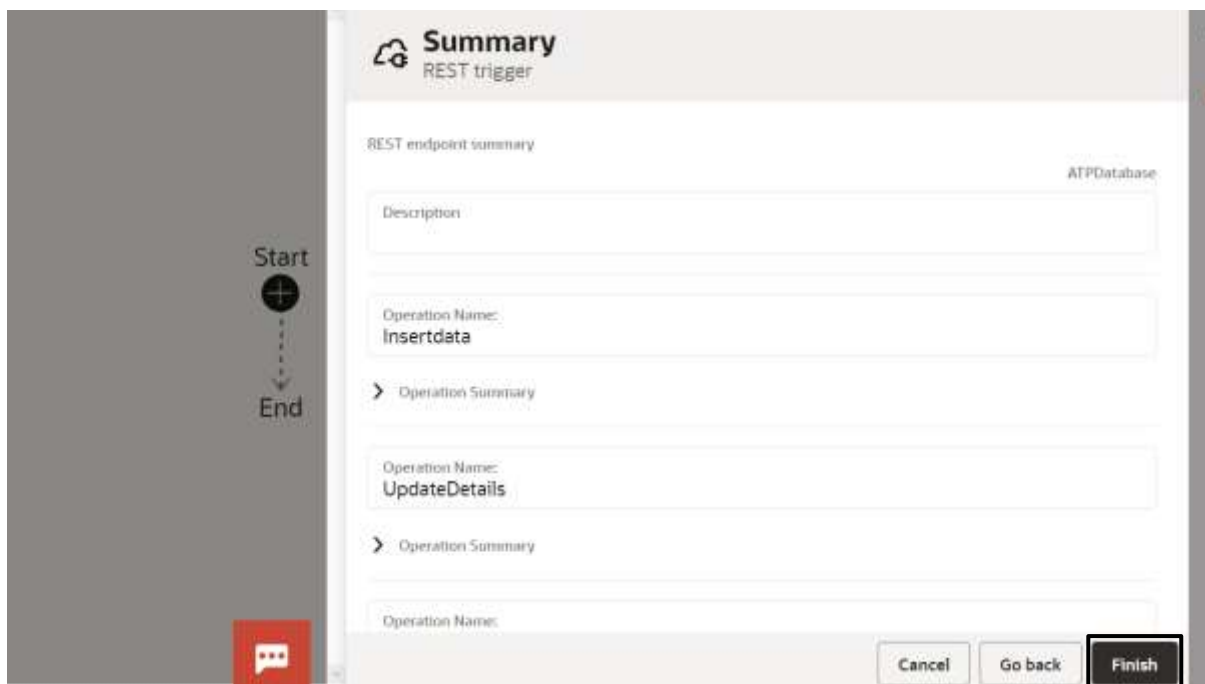
Buttons: Cancel, Go back, Continue

STEP 44: Click on Continue

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STEP 45: Click on Finish

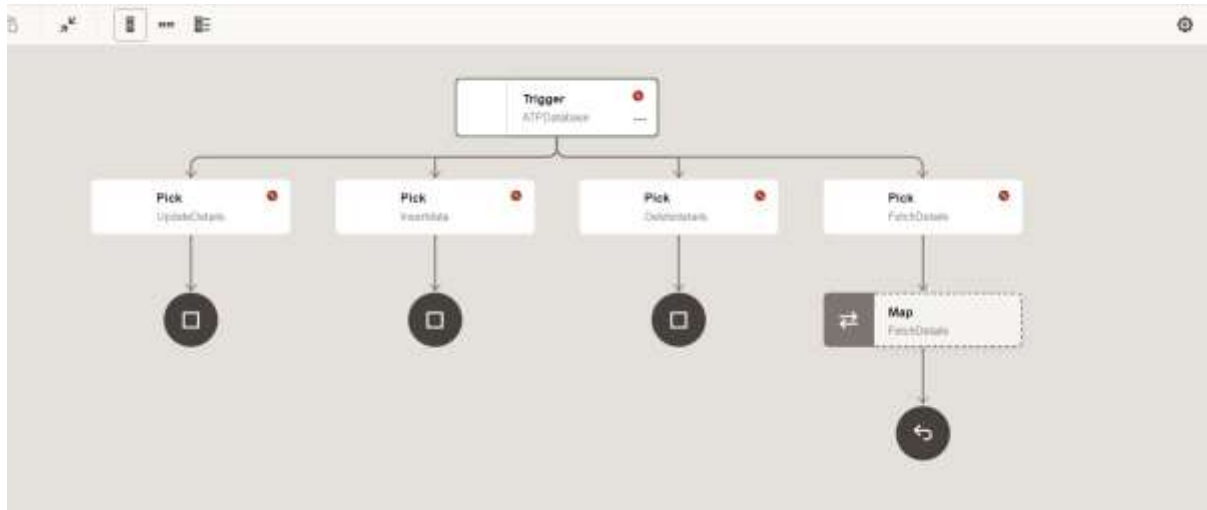


STEP 46: The following page will open like below

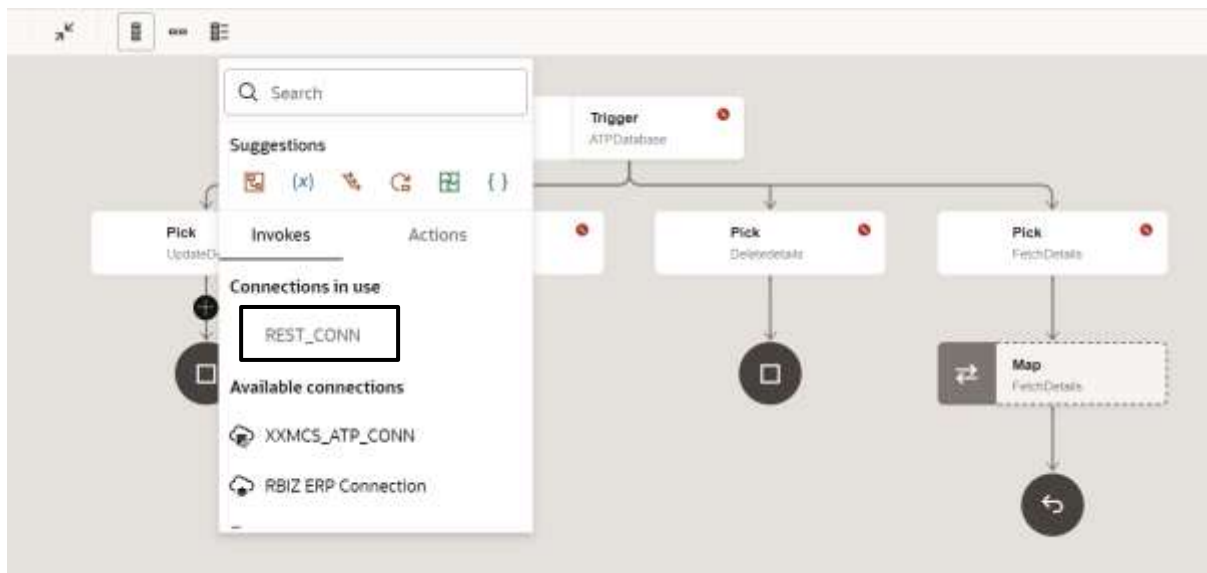
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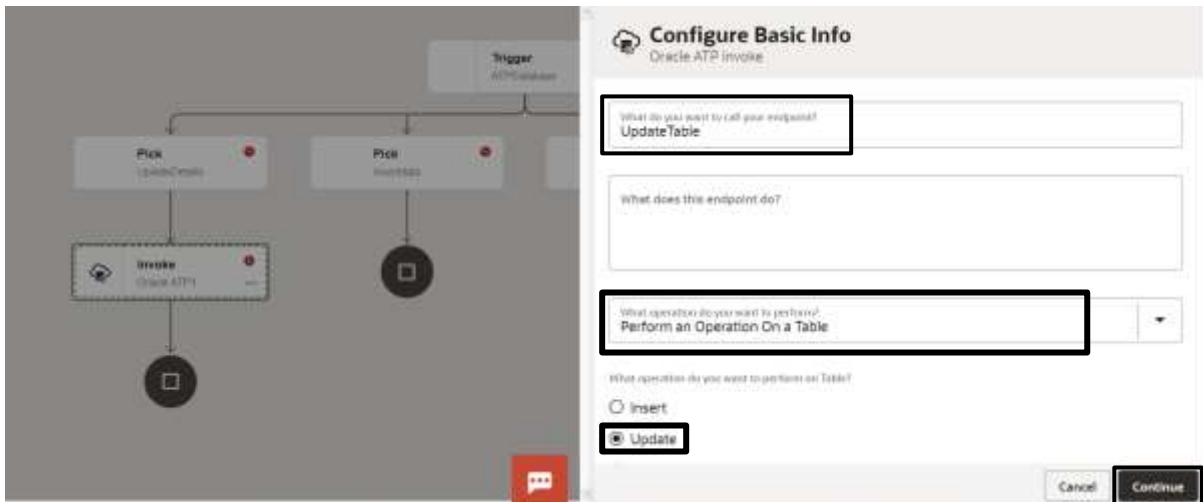




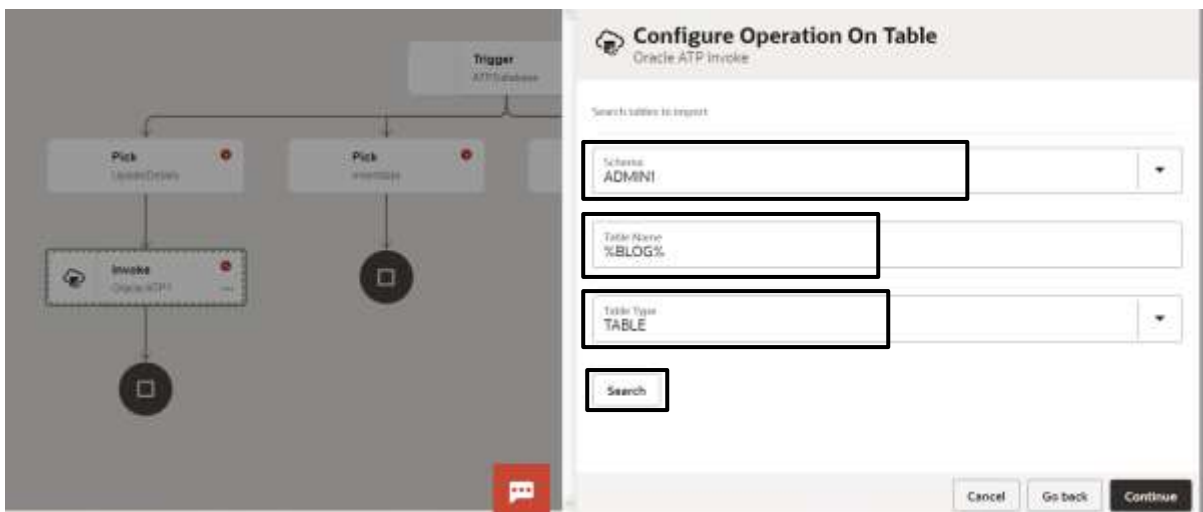
STEP 47: Click on the (+) sign like shown below and select 'ATP Invoke'



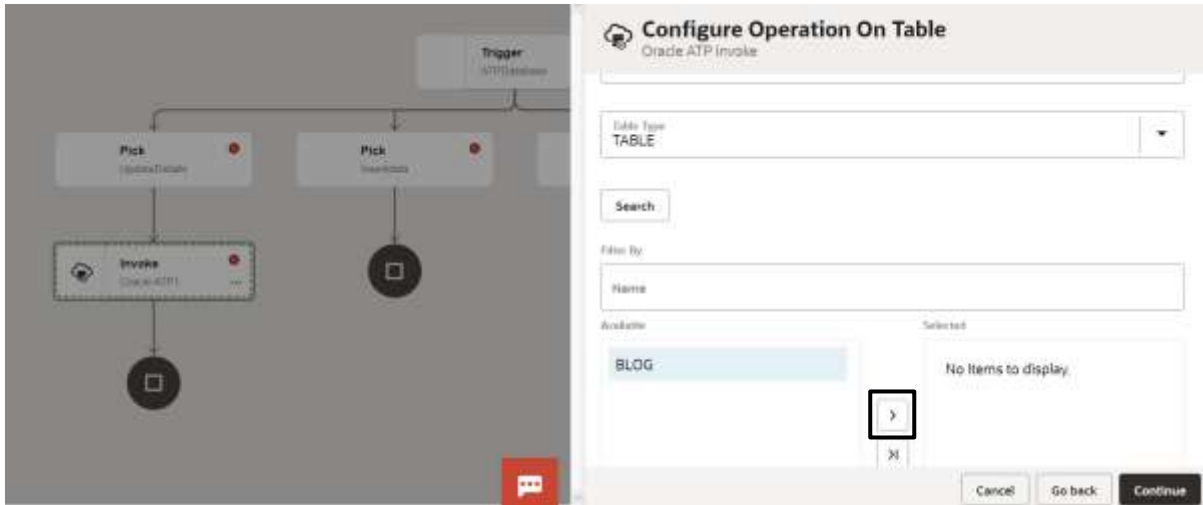
STEP 48: Provide the details like the below image and select the operation as 'Update' and select 'Perform an Operation On a Table' and click on Continue



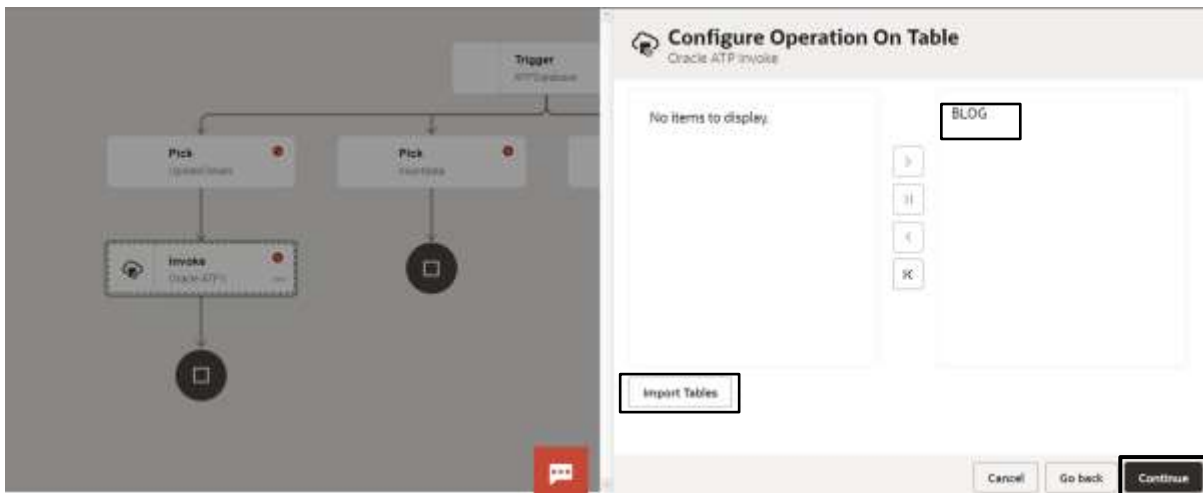
STEP 49: Select the 'Schema', 'Table Name', and 'Table Type' according to your Database and click on 'Search'



STEP 50: Table Names will appear as shown below image and click on the '>' arrow

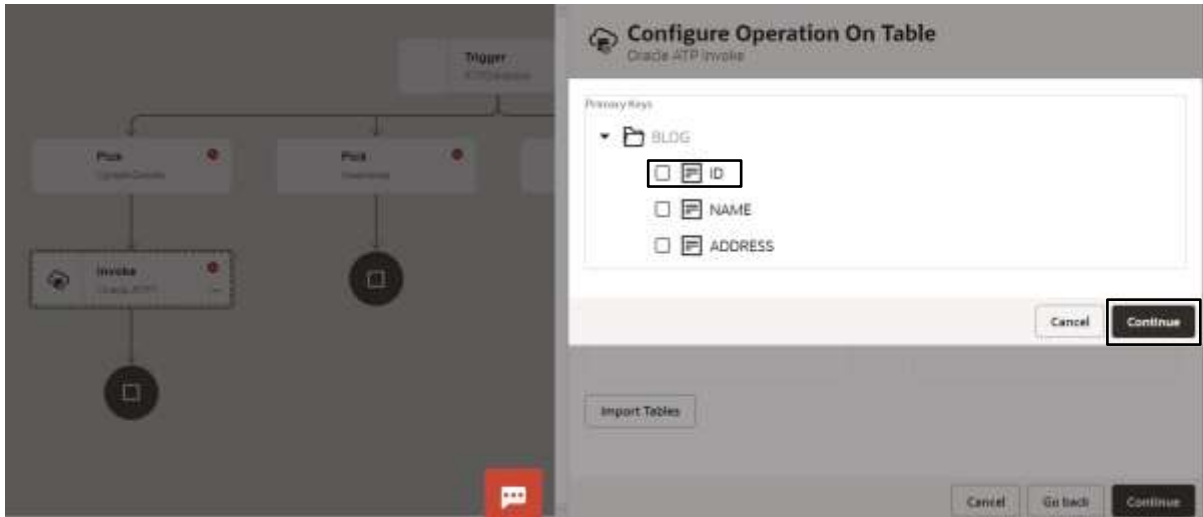


STEP 51: The selected table will be selected and moved to the next column and click on 'Import Tables'

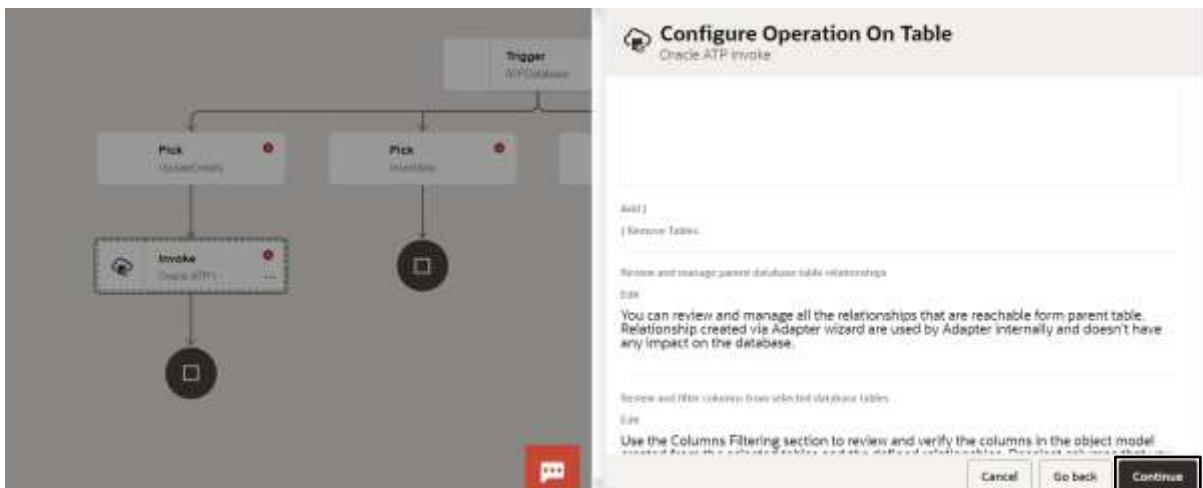


STEP 52: Select the Primary Key as 'ID' and click on Continue

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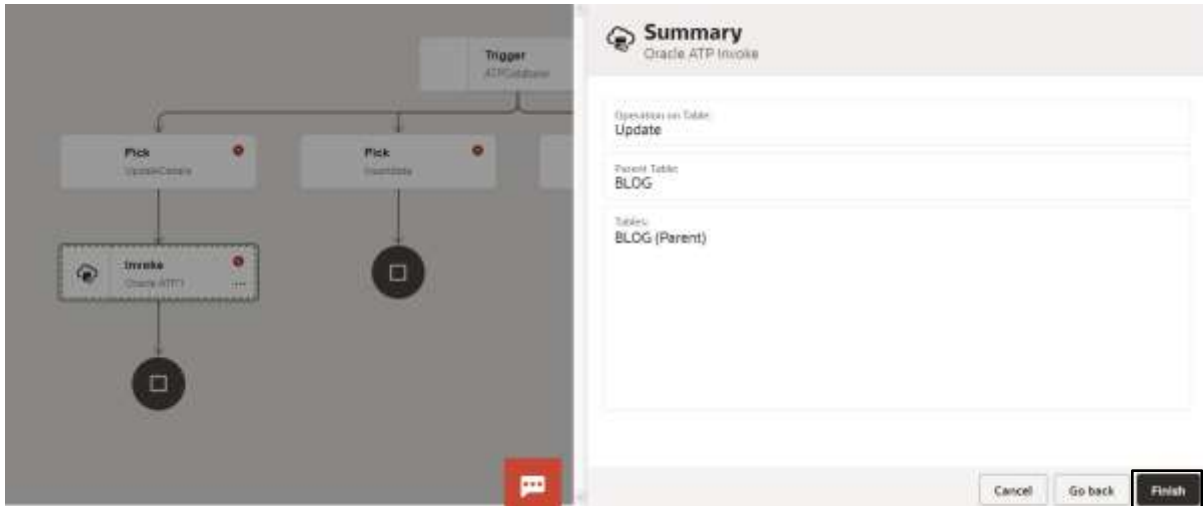


STEP 53: Click on Continue

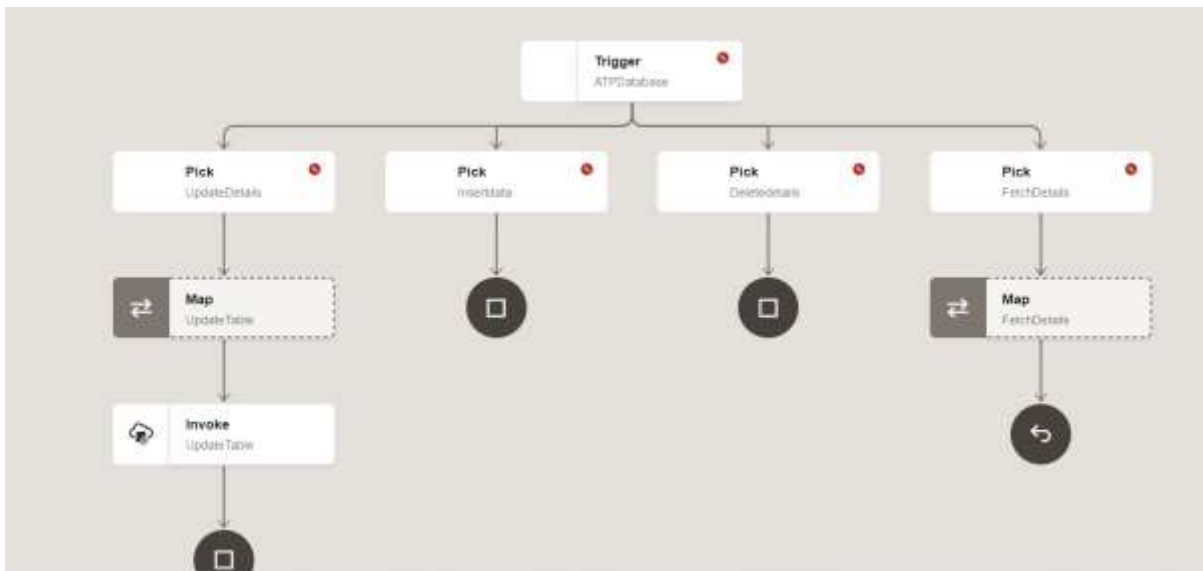


STEP 54: Click on Finish

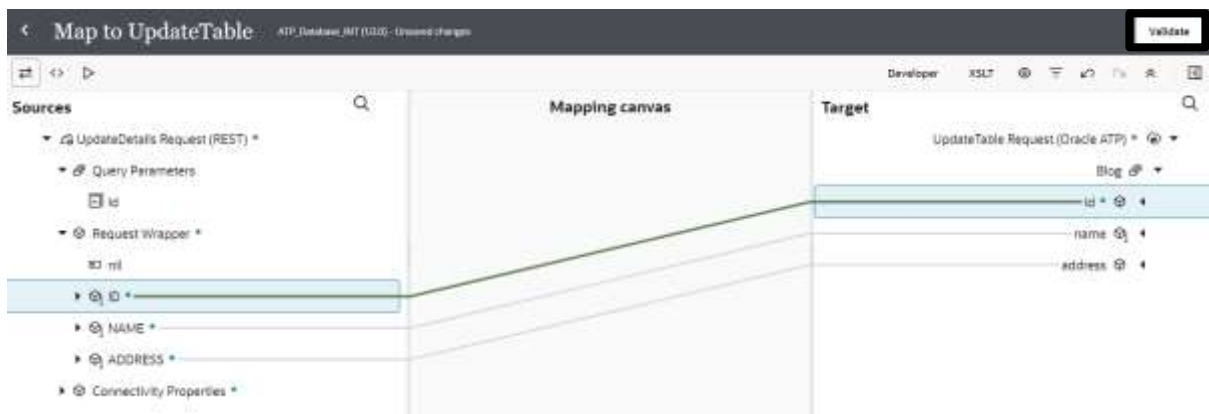
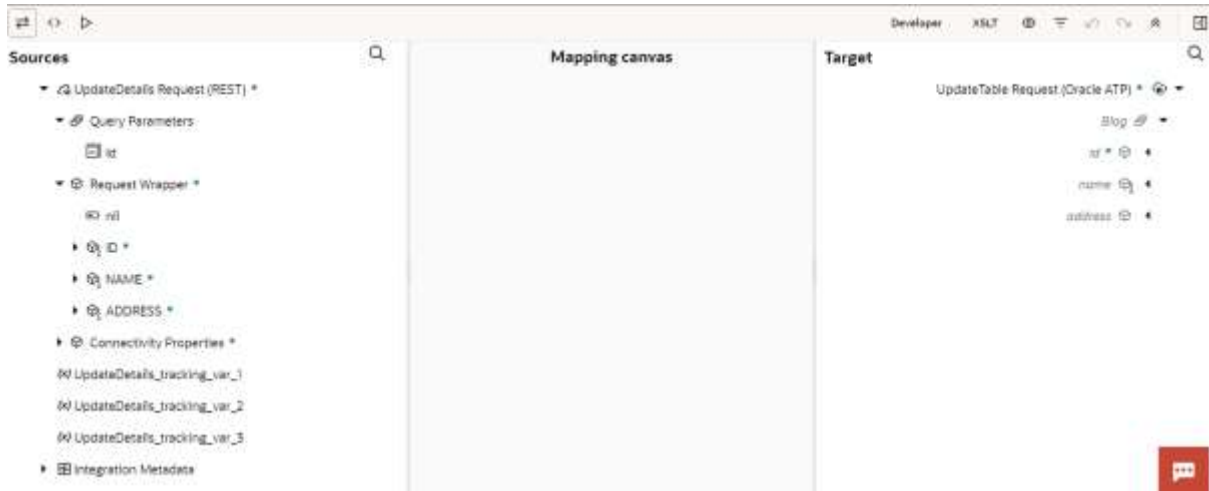
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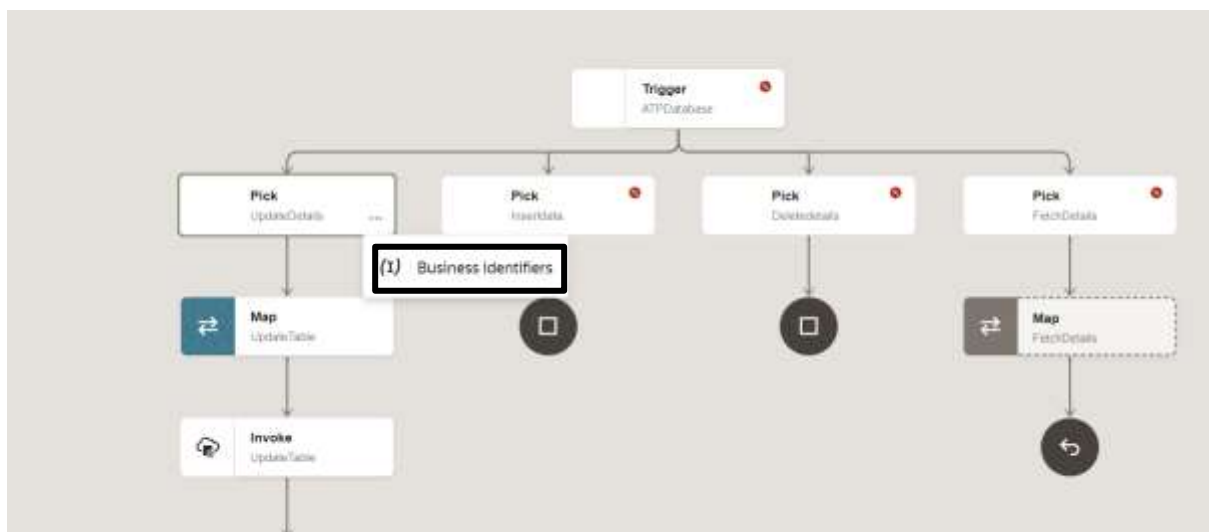
STEP 55: The following page will open like below and select the 'Map'



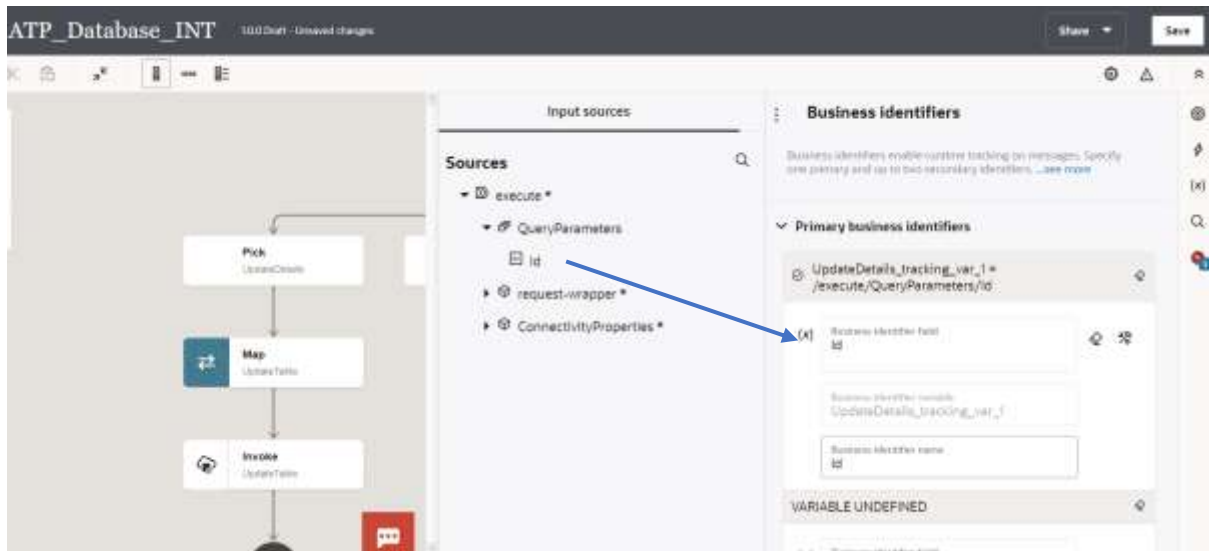
STEP 56: Open the ‘Map’ Shape and map the following like shown below and click on ‘Validate’



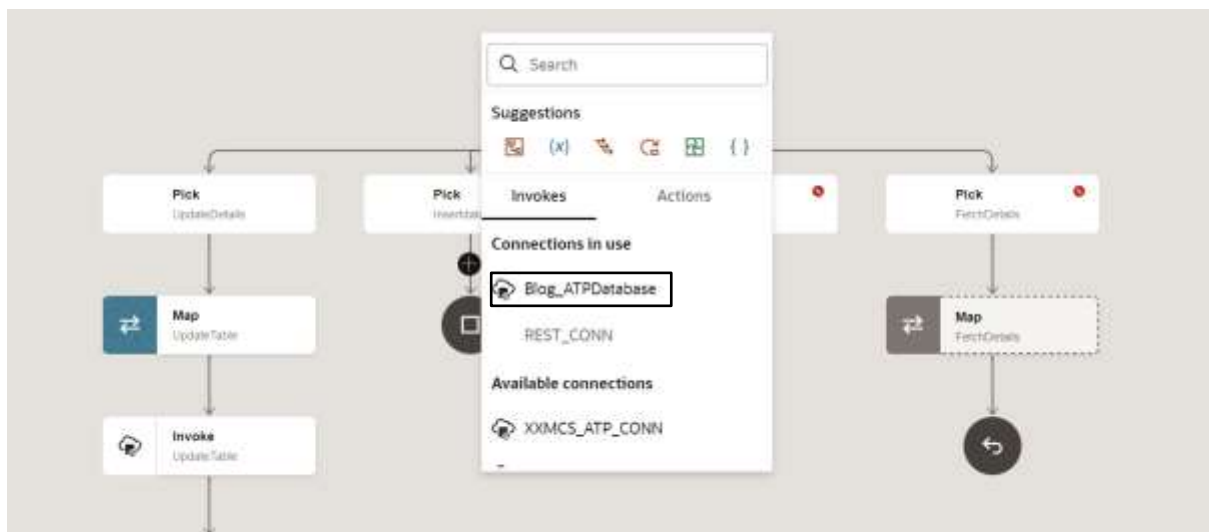
STEP 57: The following page will open like below



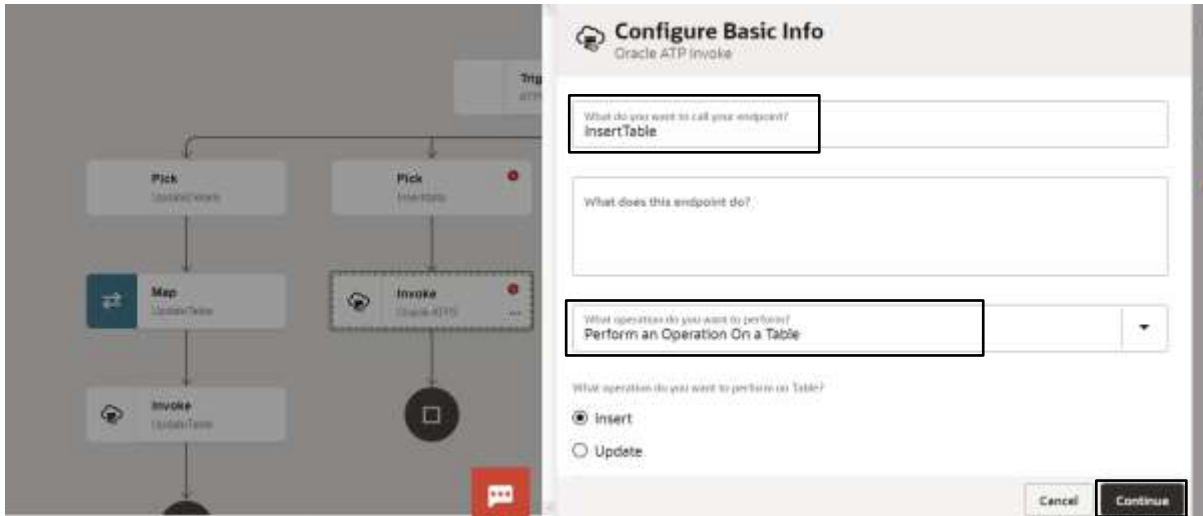
STEP 58: Click on the Trackable Field and click on (I) and add the trackable field like shown below and click on ‘Save’



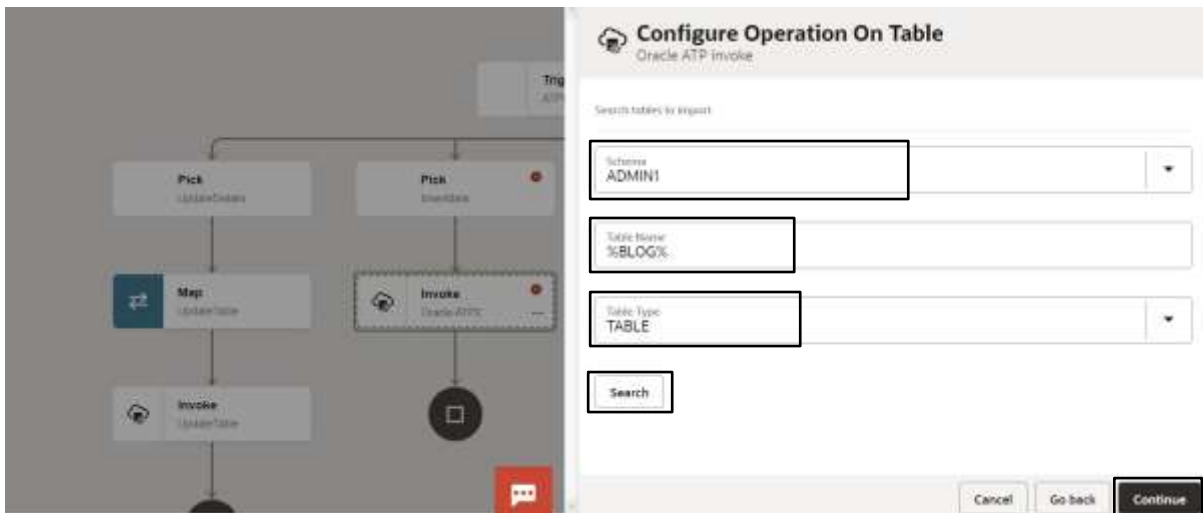
STEP 59: Click on the (+) sign like shown below and select ‘ATP Invoke’



STEP 60: Provide the details like the below image and select the operation as 'Insert' and select 'Perform an Operation On a Table' and click on Continue



STEP 61: Select the 'Schema', 'Table Name', and 'Table Type' according to your Database and click on 'Search'



STEP 62: Table Names will appear as shown in below image and click on the ‘>’ arrow



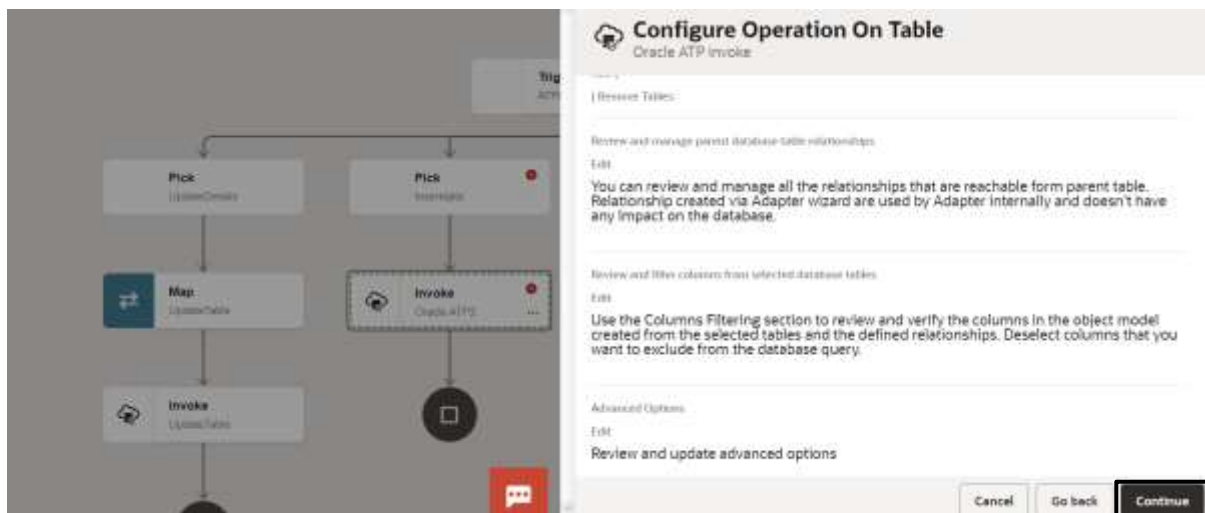
STEP 63: The selected table will be selected and moved to the next column and click on ‘Import Tables’



STEP 64: Select the Primary Key as 'ID' and click on Continue



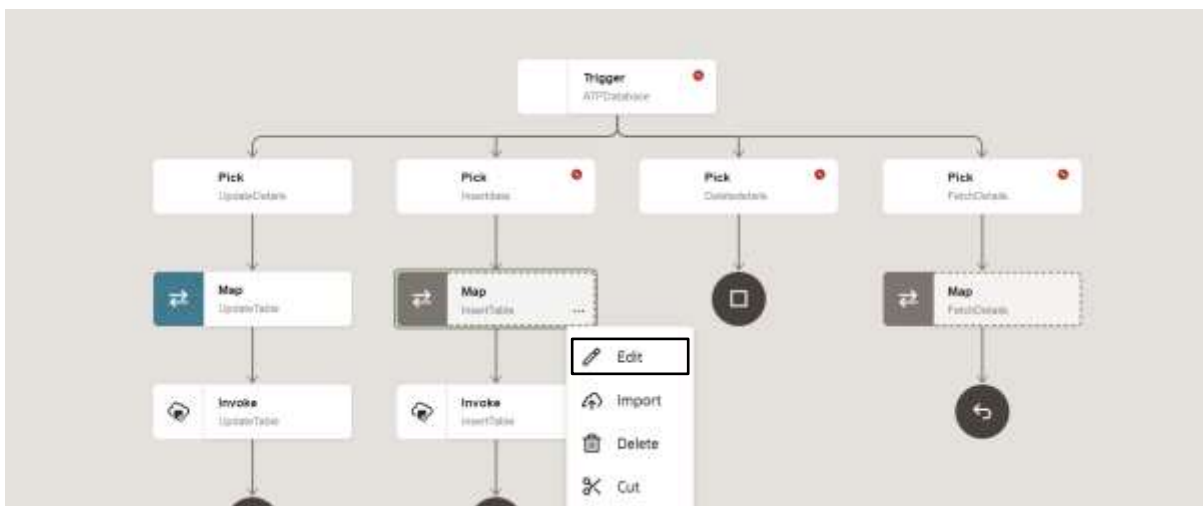
STEP 65: Click on Continue



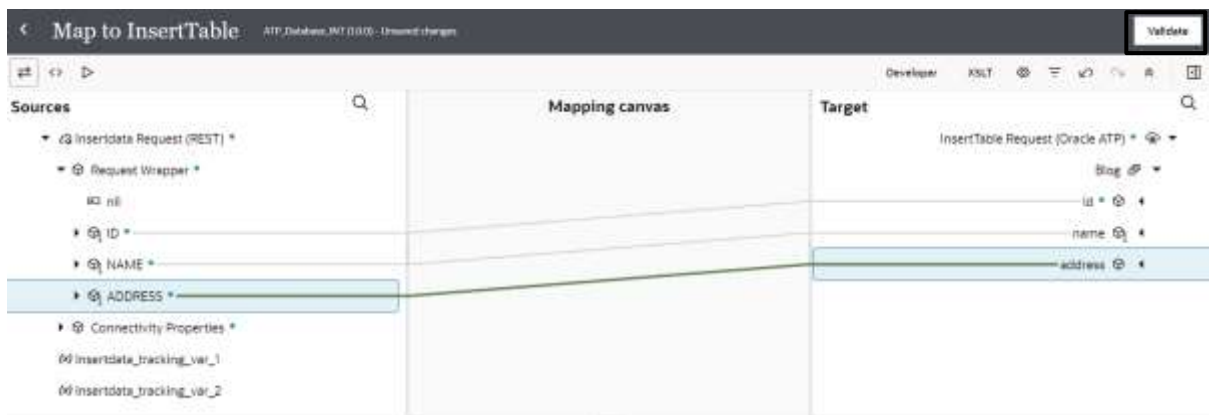
STEP 66: Click on Finish



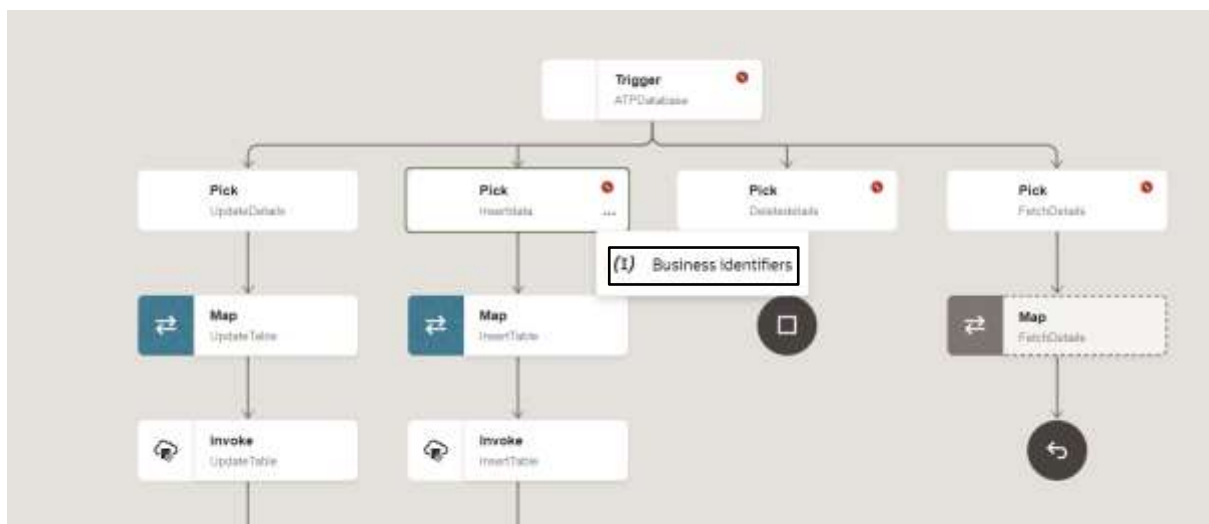
STEP 67: The following page will open like below and select the 'Map' and click on 'Edit'



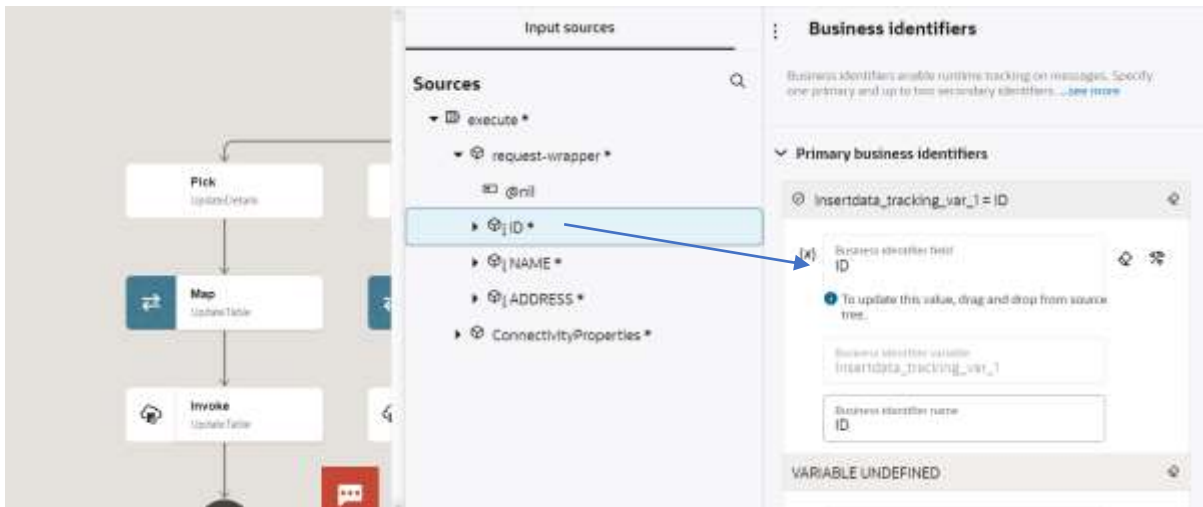
STEP 68: Map the following like shown below and click on ‘Validate’



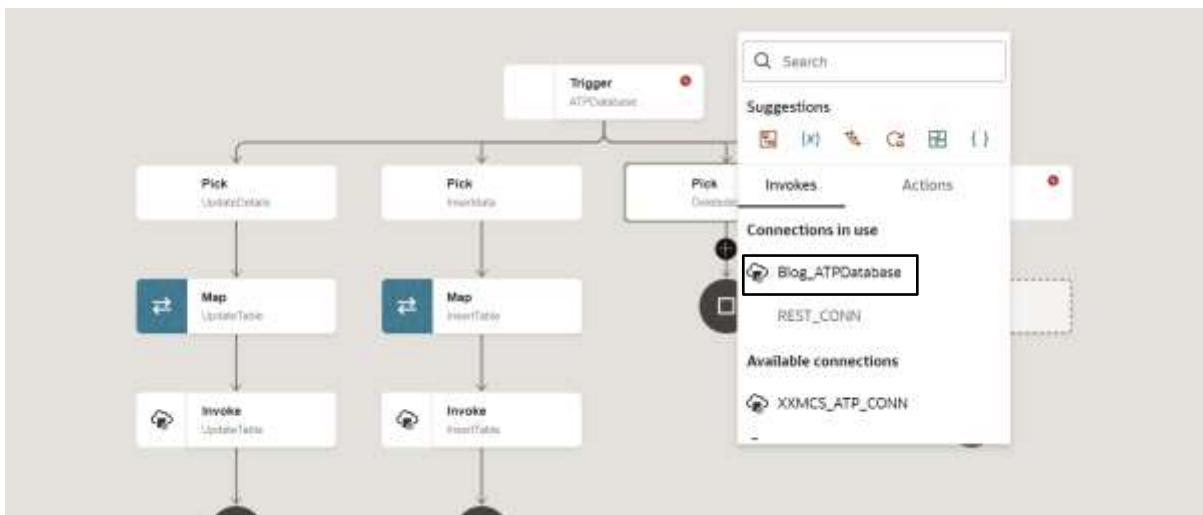
STEP 69: Click on the Business Identifiers and click on (I)



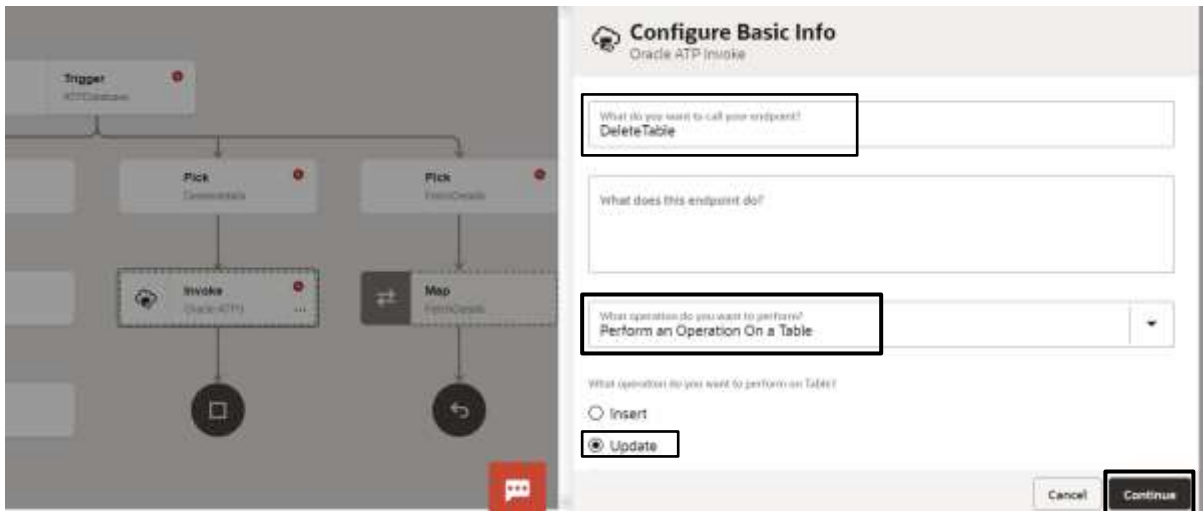
STEP 70: Add the trackable field like shown below and click on ‘Save’



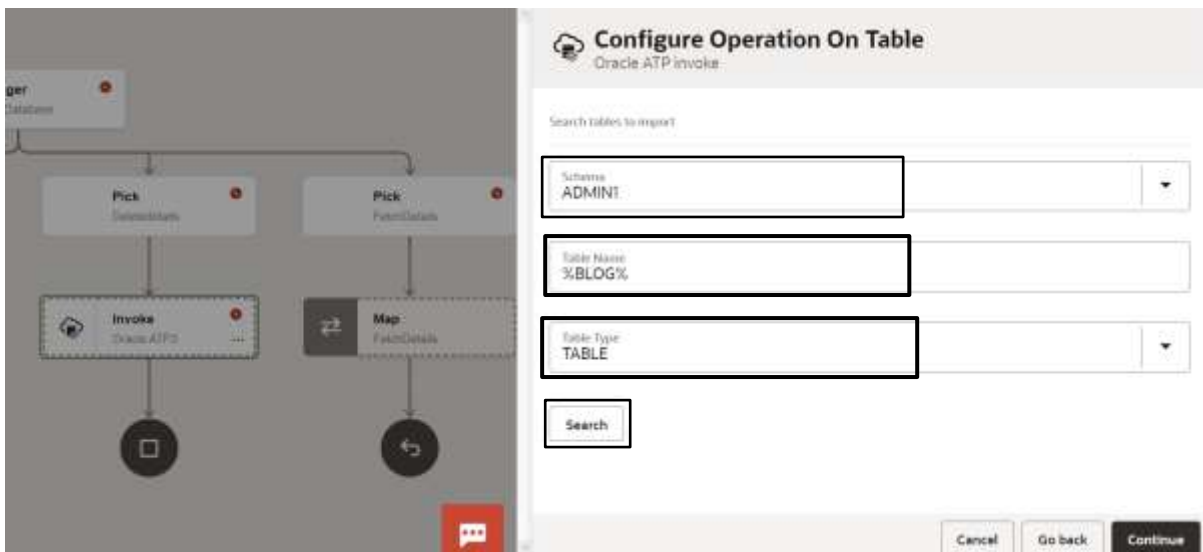
STEP 71: Click on the (+) sign like shown below and select ‘ATP Invoke’



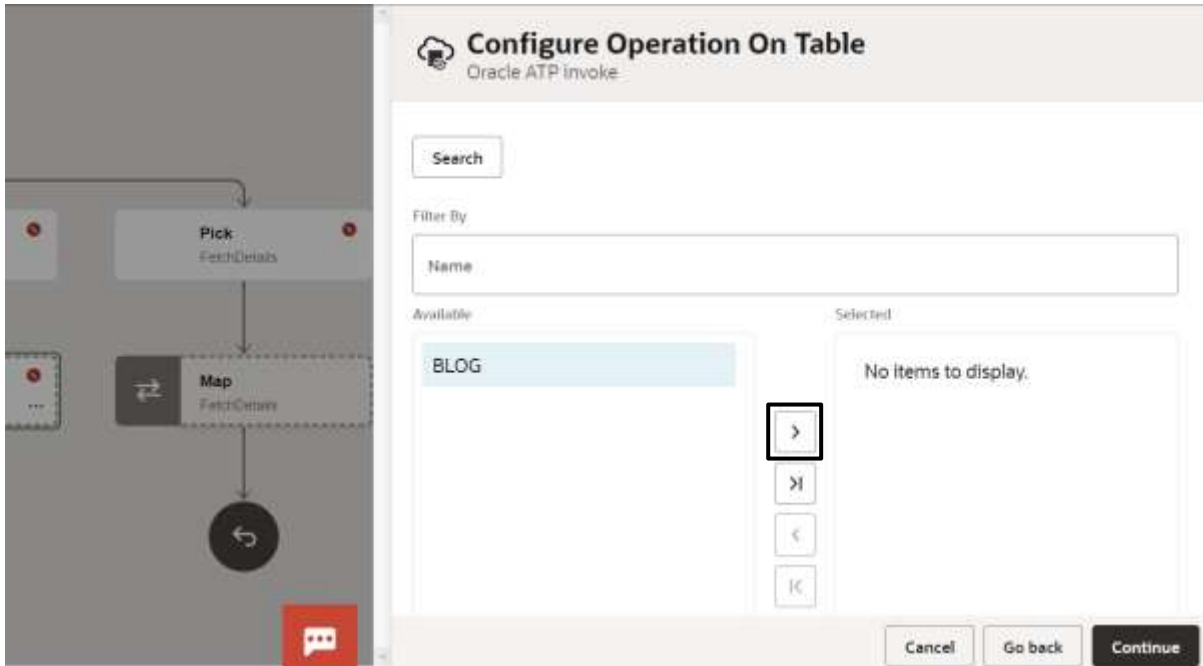
STEP 72: Provide the details like the below image and select the operation as 'Update' and select 'Perform an Operation on a Table' and click on Continue



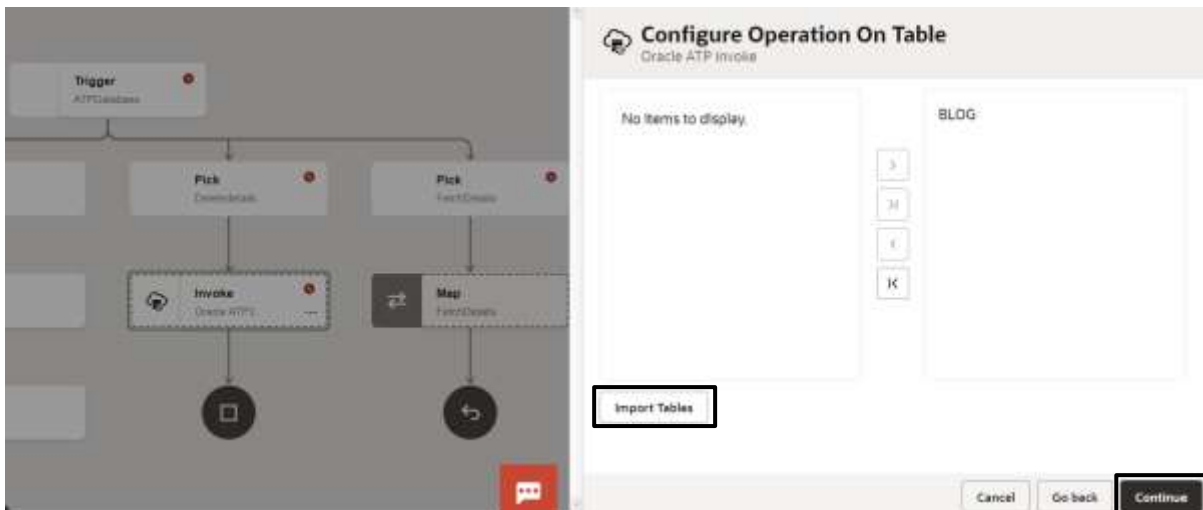
STEP 73: Select the 'Schema', 'Table Name', and 'Table Type' according to your Database and click on 'Search'



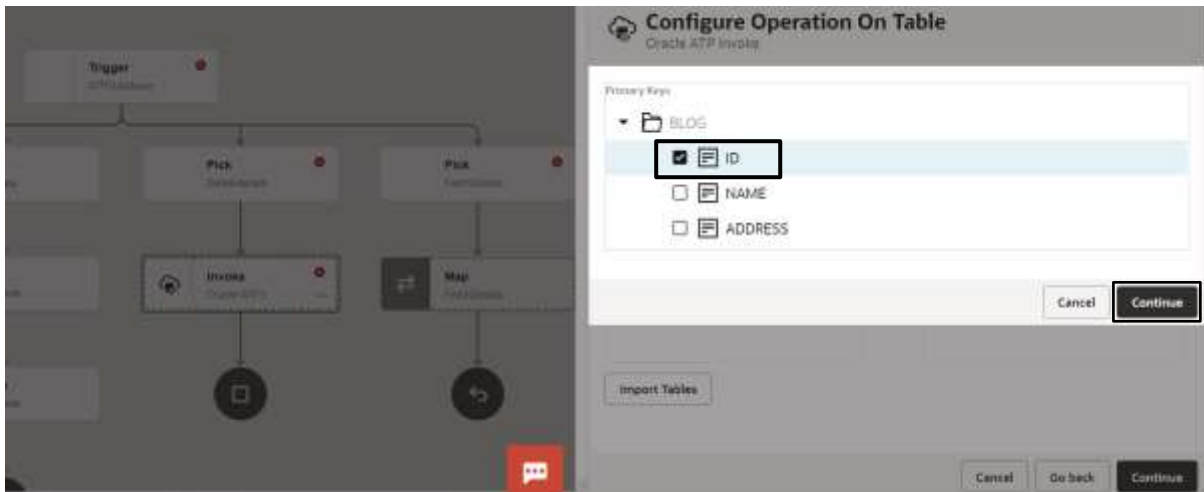
STEP 74: Table Names will appear as shown in below image and click on the '>' arrow



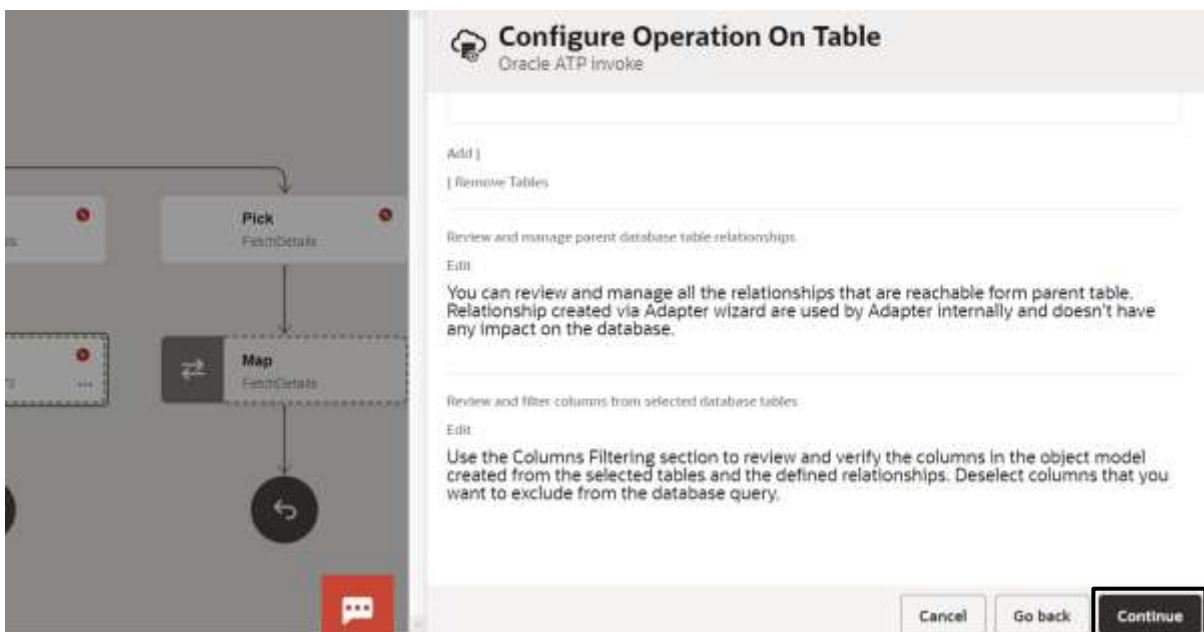
STEP 75: The selected table will be selected and moved to the next column and click on 'Import Tables'



STEP 76: Select the Primary Key as 'ID' and click on Continue

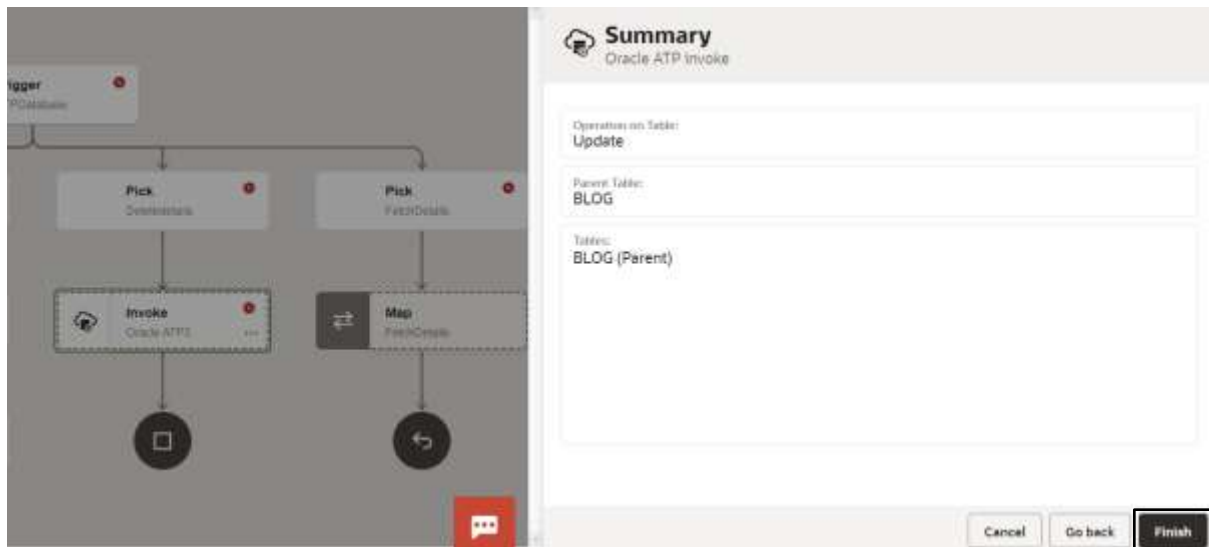


STEP 77: Click on Continue

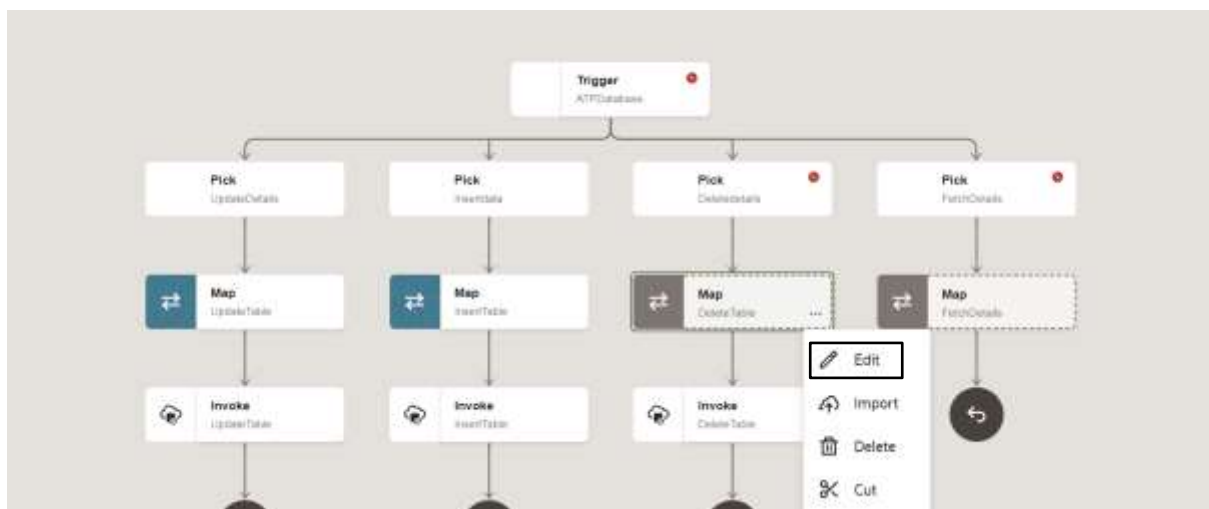


STEP 78: Click on Finish

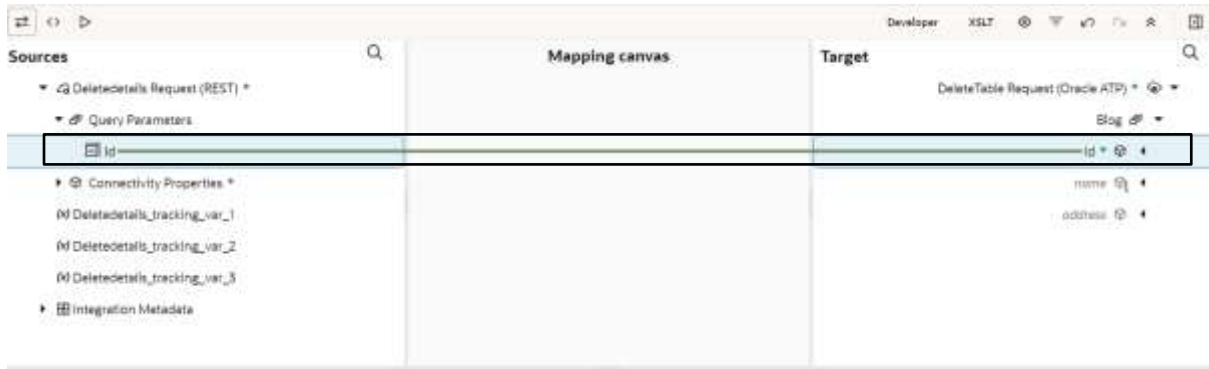
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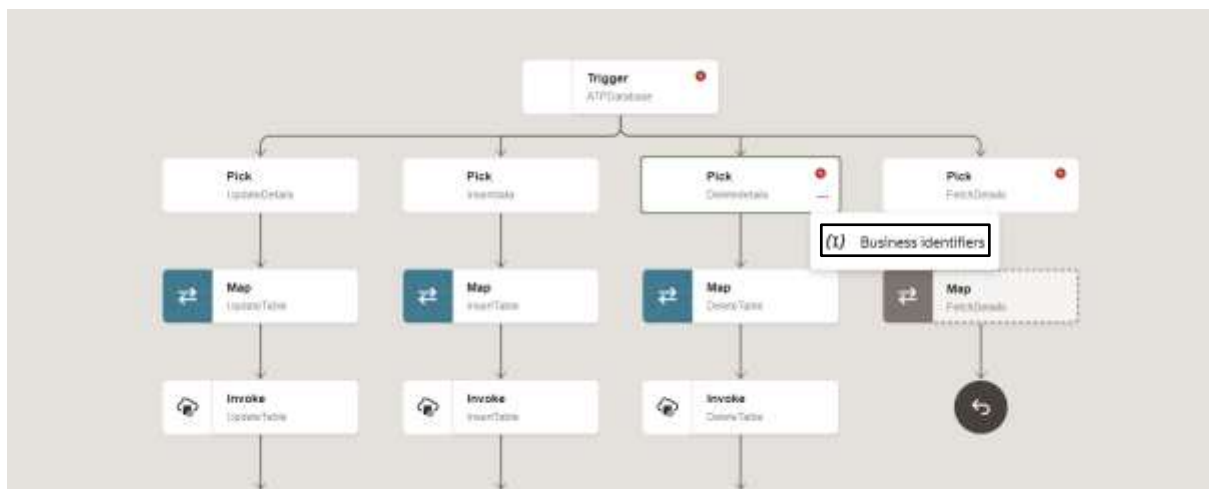
STEP 79: The following page will open like below and select the ‘Map’



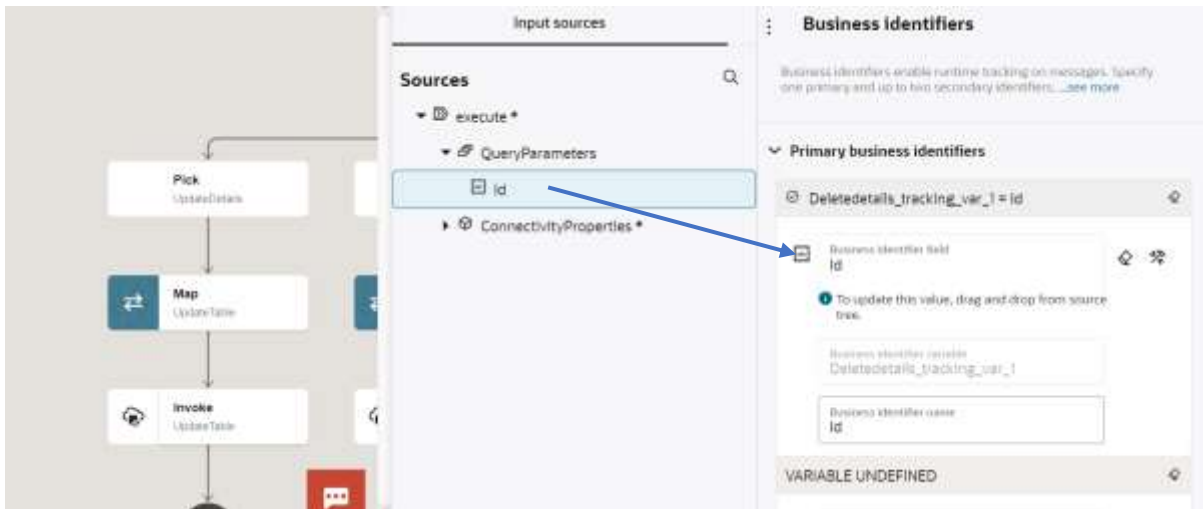
STEP 80: Open the ‘Map’ Shape and map the following like shown below and click on ‘Validate’



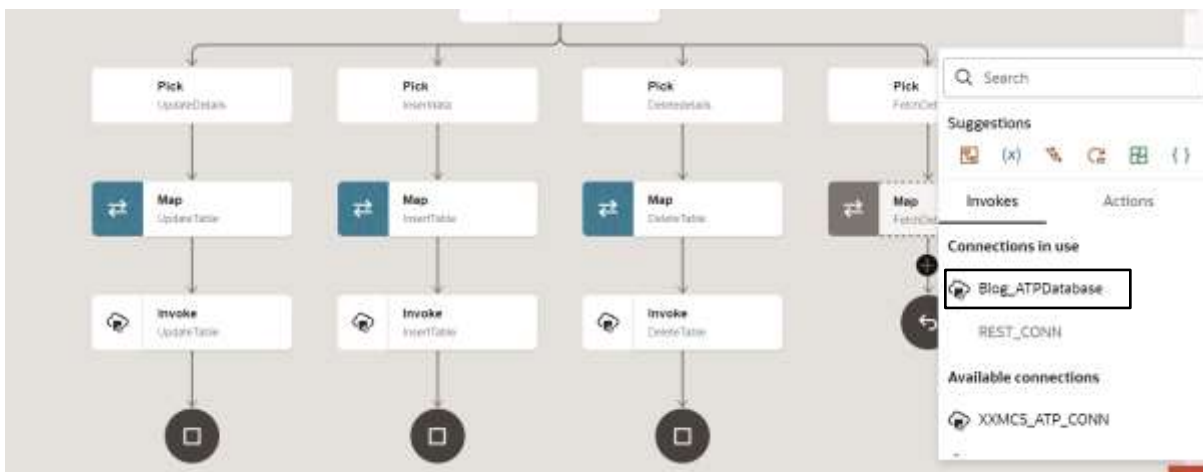
STEP 81: The following page will open like below



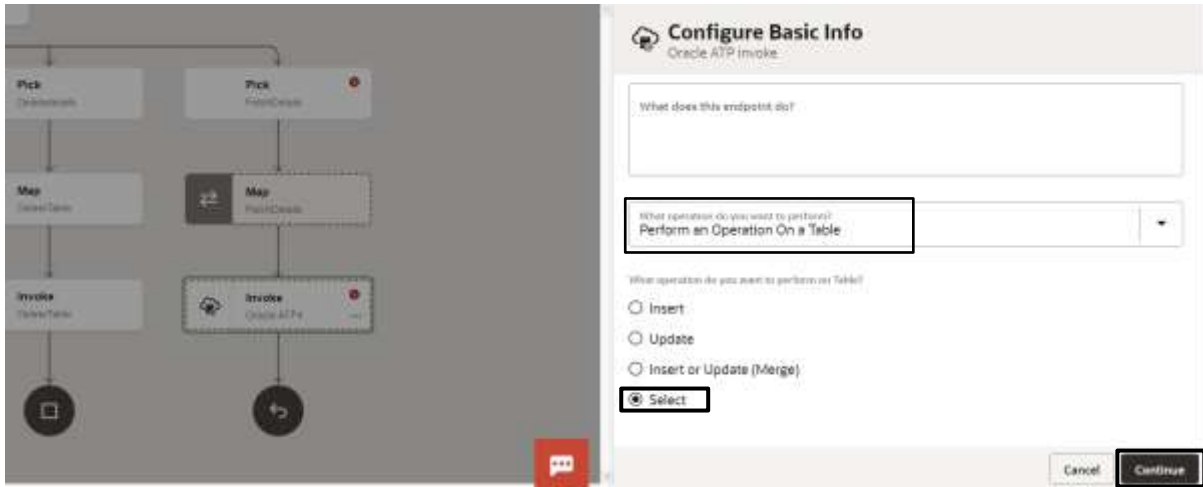
STEP 82: Click on the Trackable Field and click on (I) and add the trackable field like shown below and click on ‘Save’



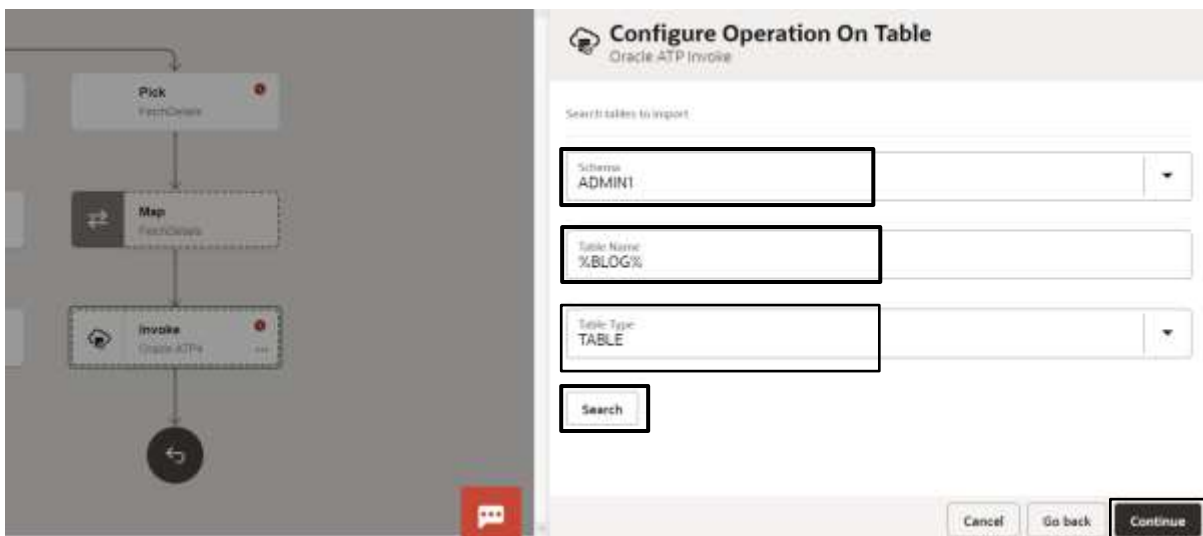
STEP 83: Click on the (+) sign like shown below and select ‘ATP Invoke’



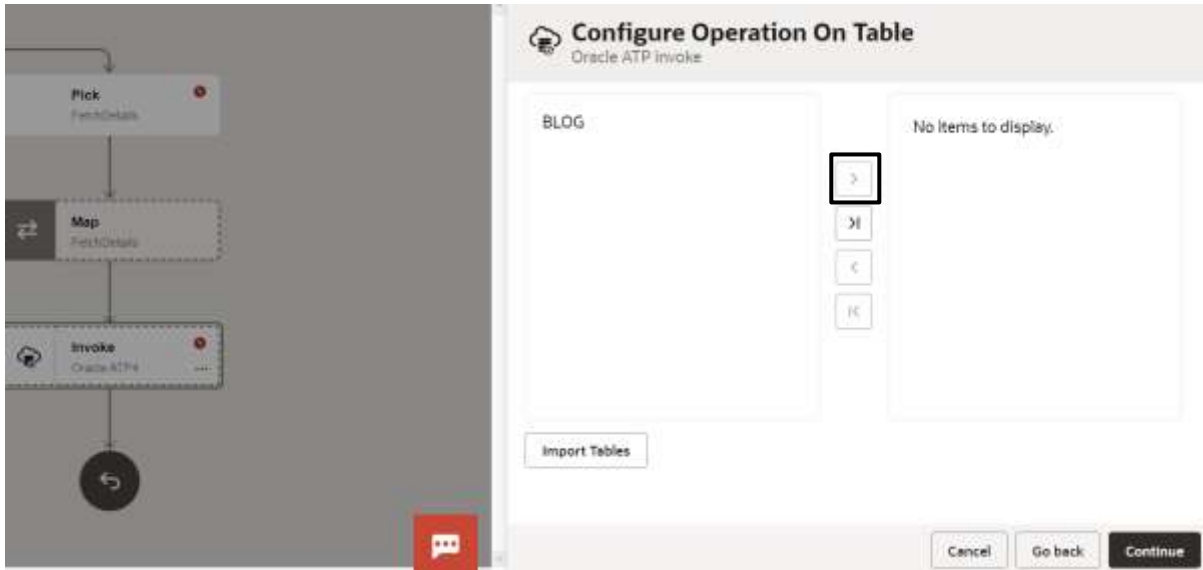
STEP 84: Provide the details like the below image and select the operation as 'Select' and select 'Perform an Operation On a Table' and click on Continue



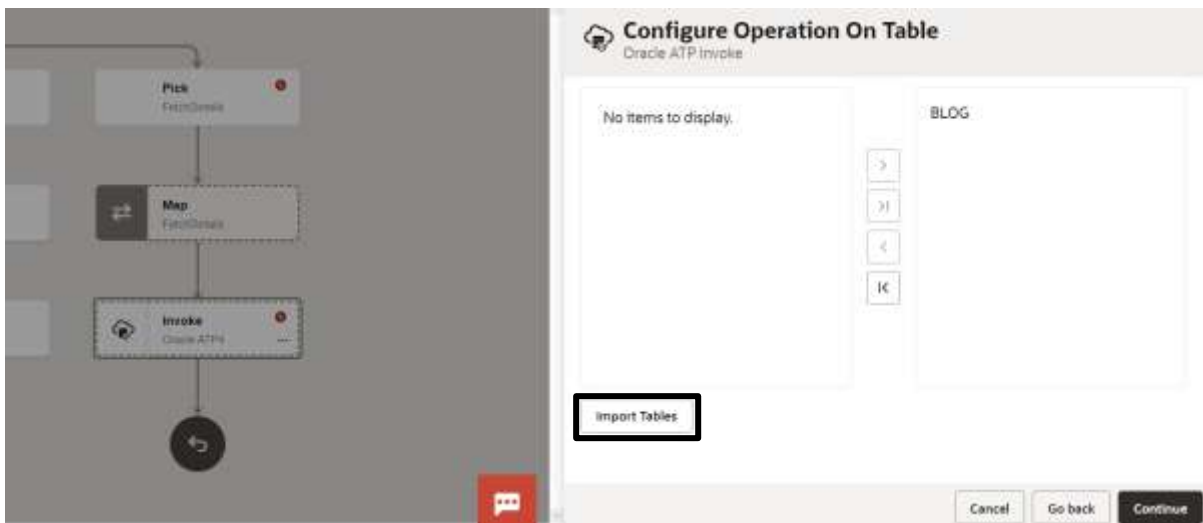
STEP 85: Select the 'Schema', 'Table Name', and 'Table Type' according to your Database and click on 'Search'



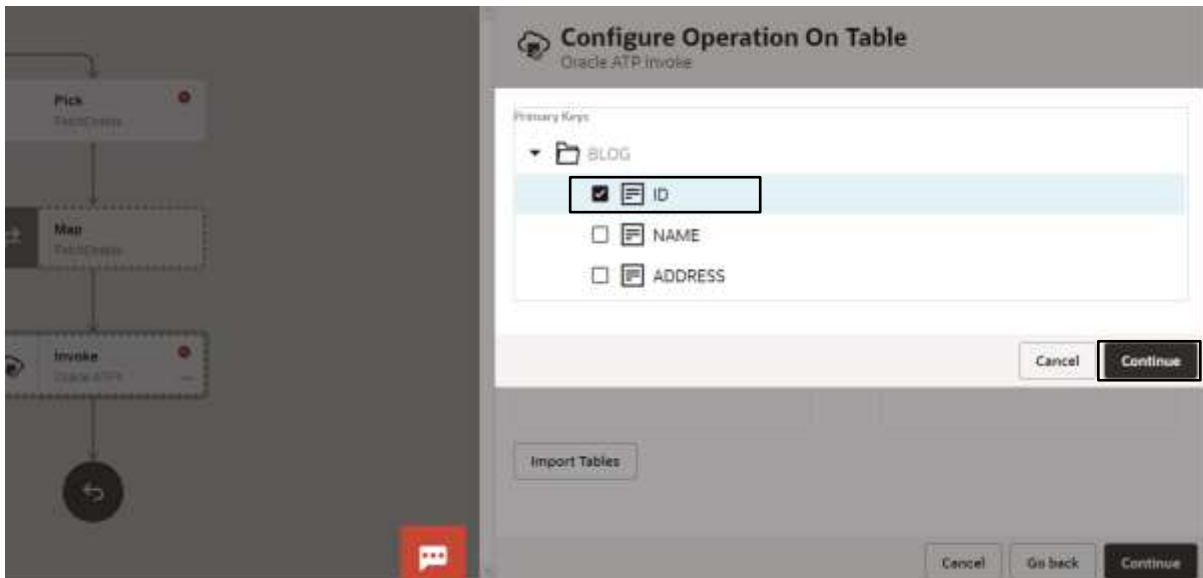
STEP 86: Table Names will appear as shown in below image and click on the ‘>’ arrow



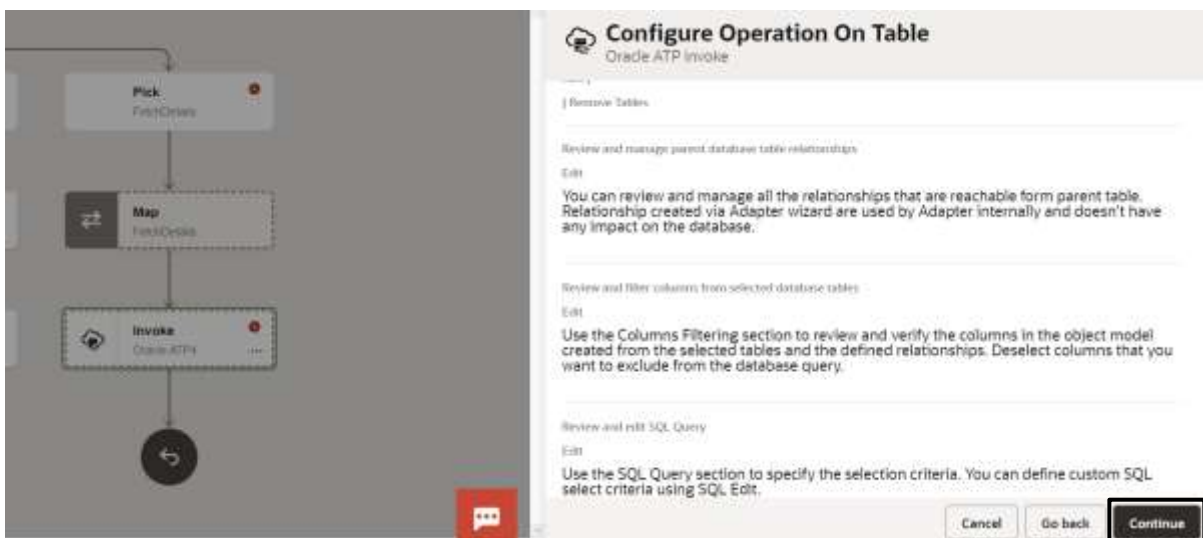
STEP 87: The selected table will be selected and moved to the next column and click on ‘Import Tables’



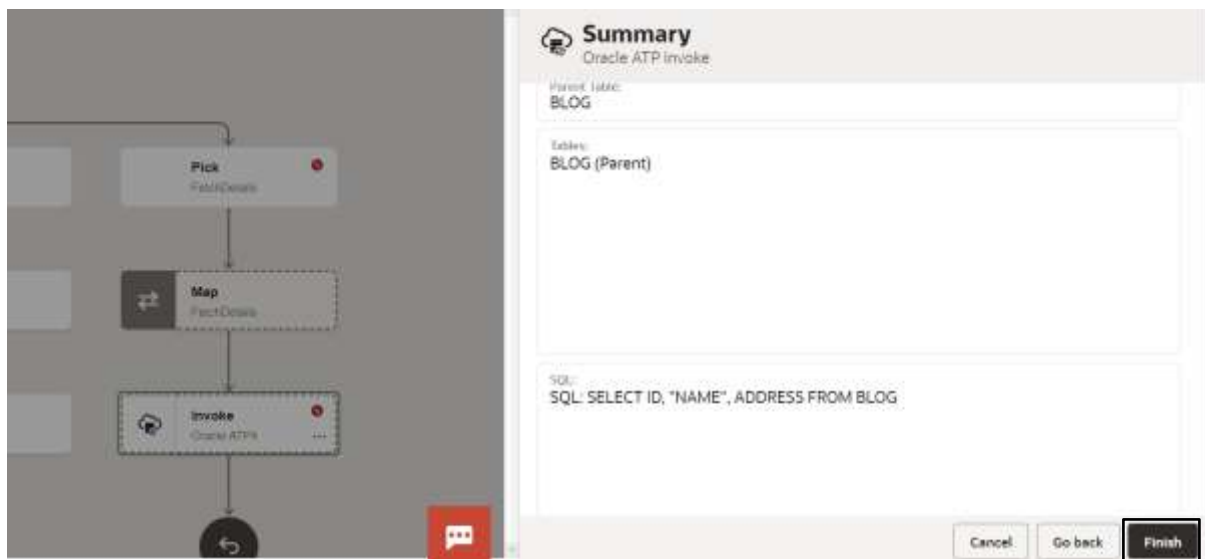
STEP 88: Select the Primary Key as 'ID' and click on Continue



STEP 89: Click on Continue



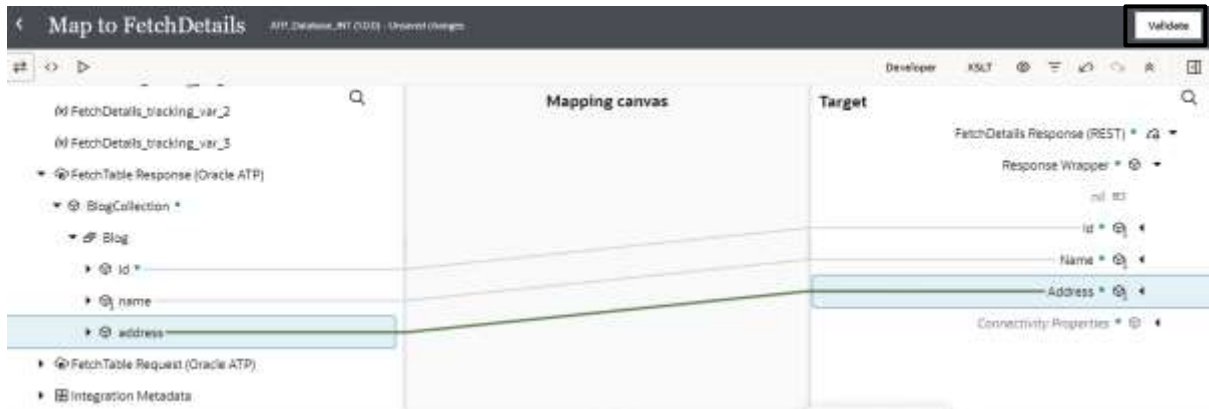
STEP 90: Click on Finish



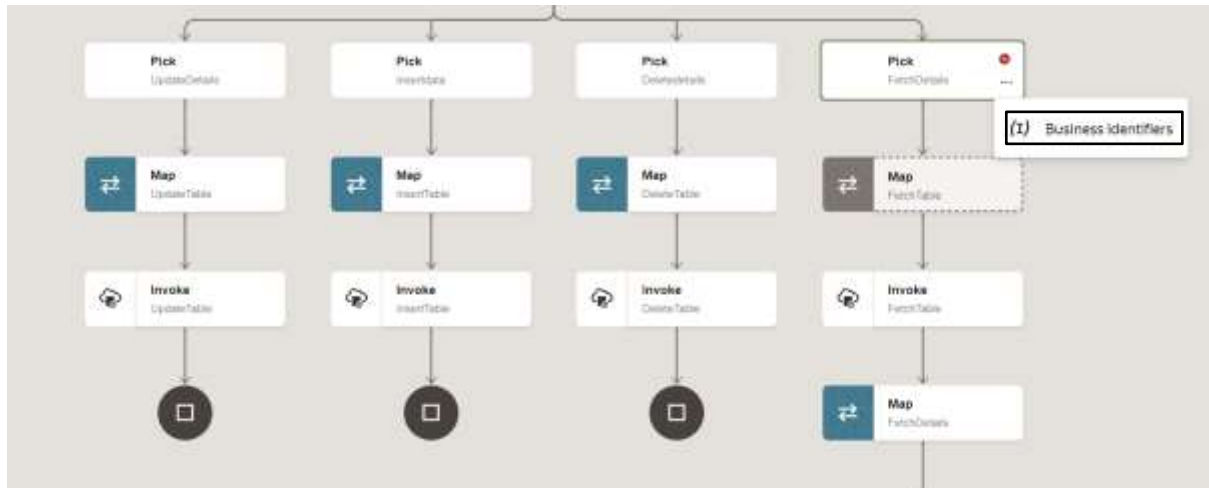
STEP 91: The following page will open like below and select the 'Map'



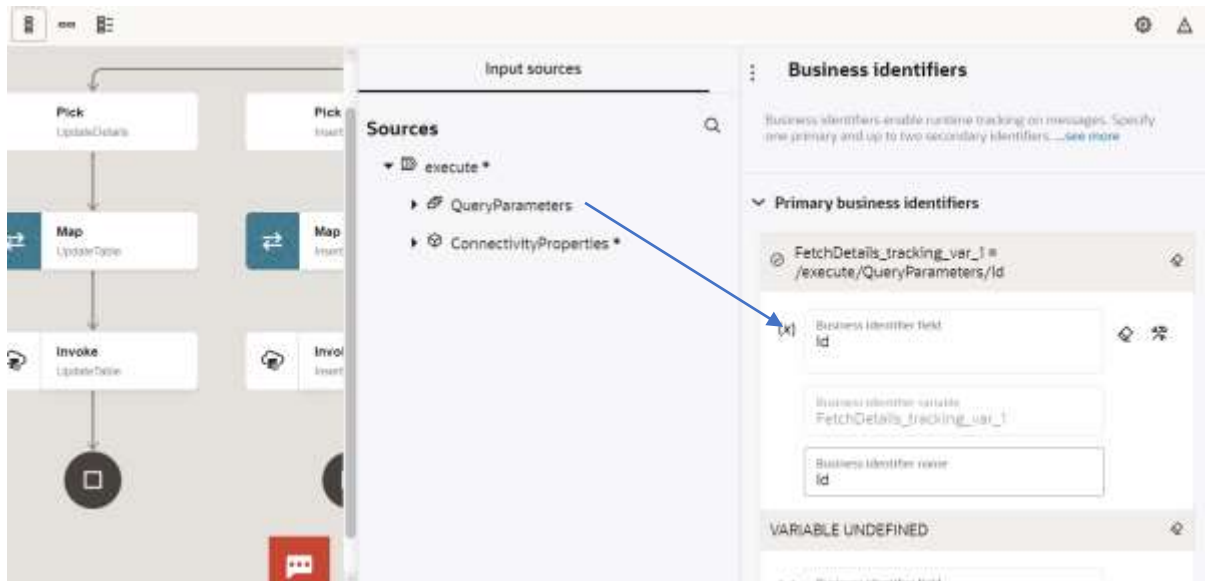
STEP 92: Open the ‘Map’ Shape and map the following like shown below and click on ‘Validate’



STEP 93: The following page will open like below



STEP 94: Click on the Trackable Field and click on (I) and add the trackable field like shown below and click on ‘Save’



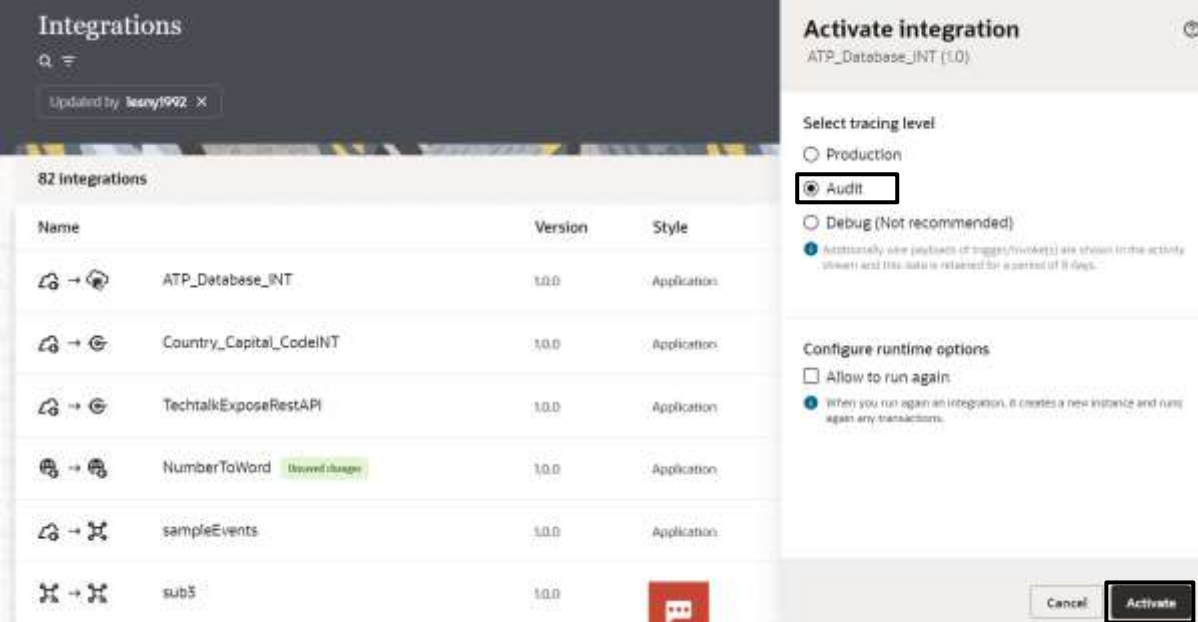
STEP 95: Click on Save and close the integration process



STEP 96: Click on the Activate button shown below to activate the integration process

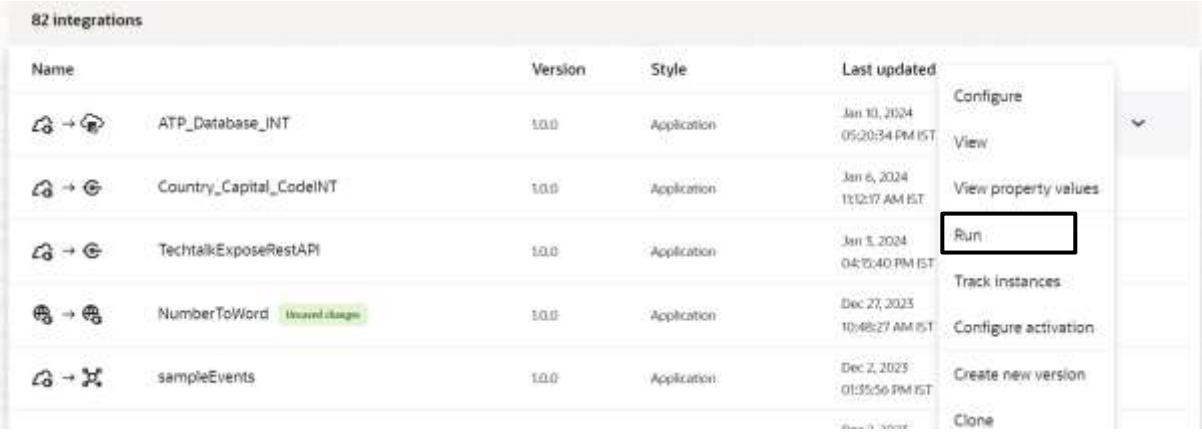


STEP 97: Select the tracing level as ‘Audit’ and click on ‘Activate’



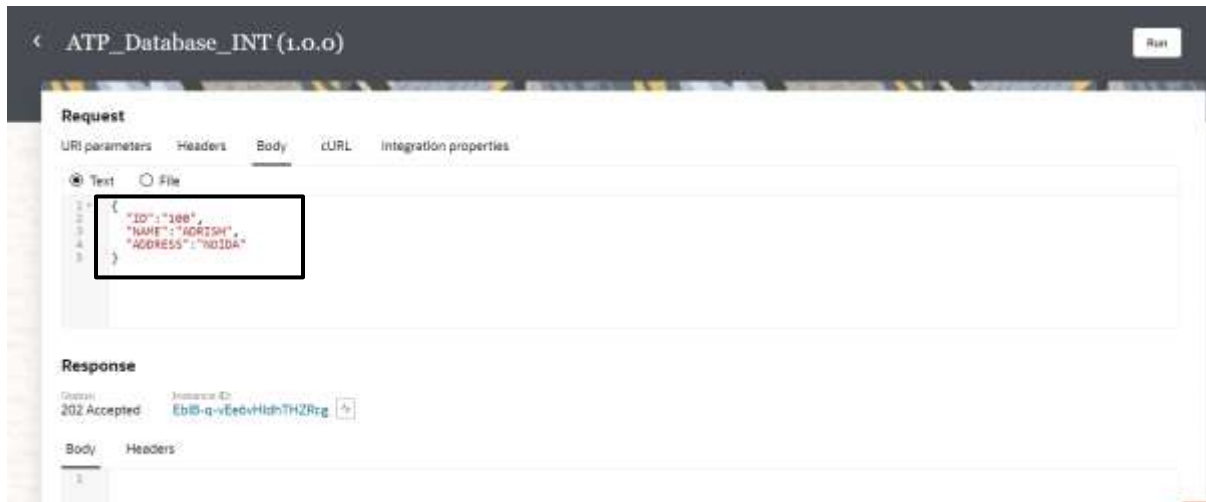
The screenshot shows the 'Integrations' management interface. On the left, a list of 82 integrations is displayed with columns for Name, Version, and Style. The 'ATP_Database_INT' integration is highlighted. On the right, the 'Activate integration' modal is open for 'ATP_Database_INT (1.0.0)'. Under 'Select tracing level', the 'Audit' option is selected and highlighted with a red box. Below it, the 'Debug (Not recommended)' option is also visible. At the bottom of the modal, the 'Activate' button is highlighted with a red box, while the 'Cancel' button is to its left.

STEP 98: After Activation click on ‘Run’ to run and test the Process

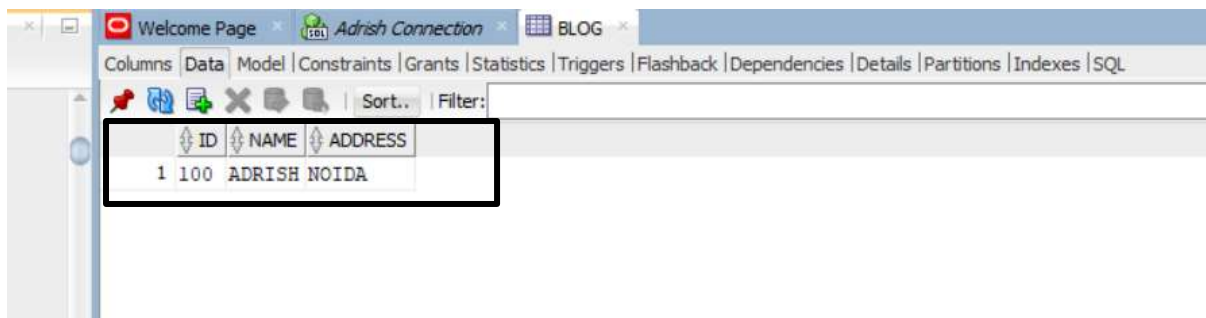


The screenshot shows the 'Integrations' list with a context menu open for the 'ATP_Database_INT' integration. The 'Run' option in the context menu is highlighted with a red box. The context menu also includes options like 'Configure', 'View', 'View property values', 'Track instances', 'Configure activation', 'Create new version', and 'Clone'.

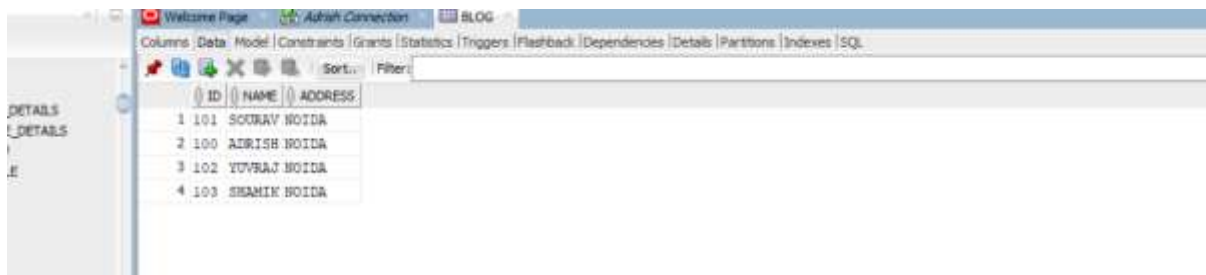
STEP 99: Select the operation as 'InsertDetails' from the dropdown and pass the body like shown below and click on 'Run'



STEP 100: Navigate to Database UI and you can see data inserted successfully in the database



STEP 101: I have added some more data into the database by following the Step 99



STEP 102: Now, select the Operation as ‘UpdateDetails’ from the Operation Dropdown and pass the ‘Query Parameter’ to update the details in the database and also pass the body like the below image

Configure and run
Configure request properties, then run the integration and verify the response. [Click here to read more.](#)

Operation: UpdateDetails (POST)

POST
/ic/api/integration/v1/flows/rest/ATP_DATABASE_INT/1.0/updatedetails?id=102

Request

URI parameters Headers Body cURL Integration properties

id 102

Operation: UpdateDetails (POST)

POST
/ic/api/integration/v1/flows/rest/ATP_DATABASE_INT/1.0/updatedetails?id=102

Request

URI parameters Headers Body cURL Integration properties

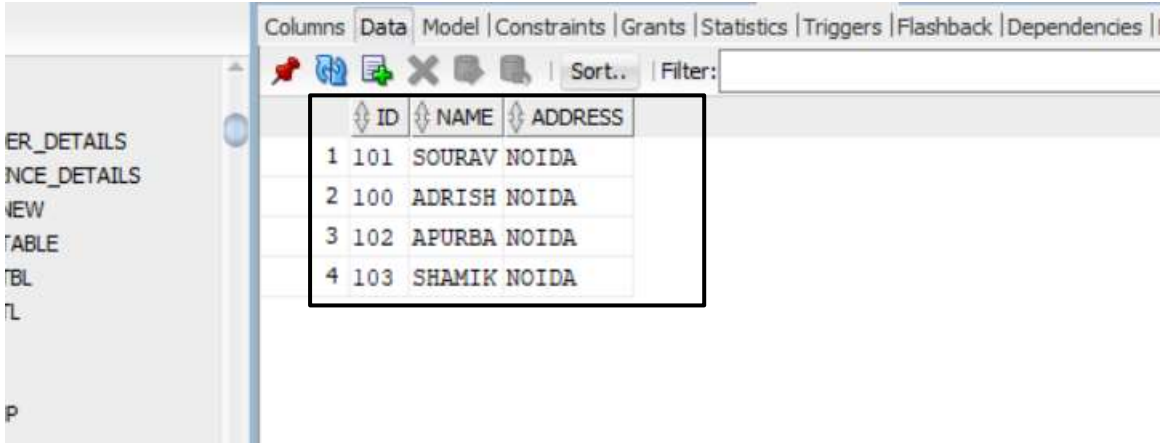
Text File

```
1 {  
2   "ID": "102",  
3   "NAME": "APURBA",  
4   "ADDRESS": "NOIDA"  
5 }
```

Response

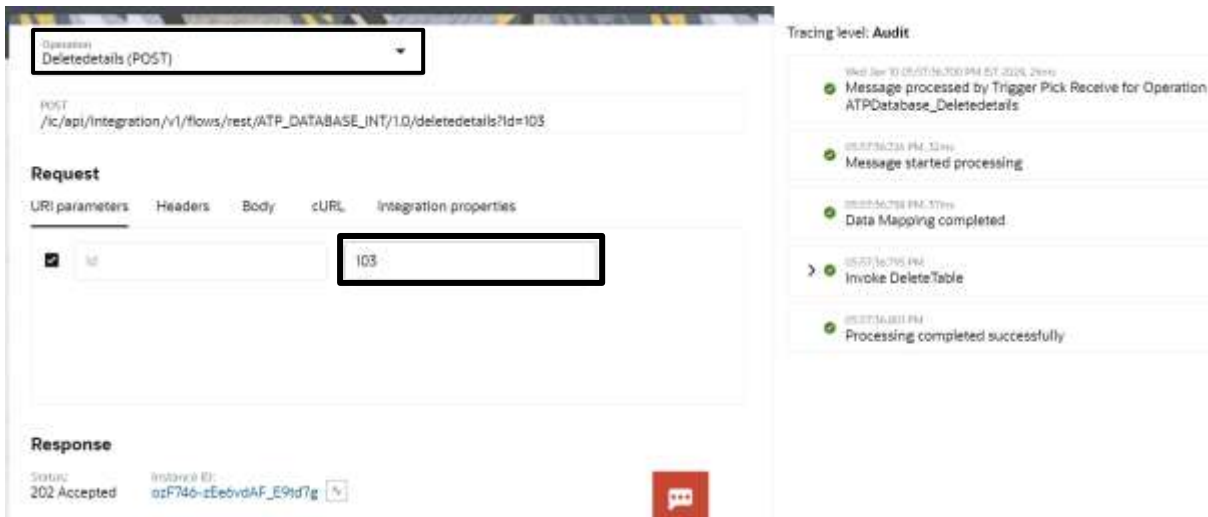
Status: 202 Accepted Instance ID: pUr36K-xEe6UWXF7PwGPPQ

STEP 103: Navigate to DatabaseUI and you can see the field got successfully executed



ID	NAME	ADDRESS
1	101	SOURAV NOIDA
2	100	ADRISH NOIDA
3	102	APURBA NOIDA
4	103	SHAMIK NOIDA

STEP 104: Now, select the Operation as 'DeleteDetails' from the Operation Dropdown and pass the 'Query Parameter' and click on 'Run'



Operation: Deletedetails (POST)

POST
 /c/api/Integration/v1/flows/rest/ATP_DATABASE_INT/1.0/deletedetails?id=103

Request

URI parameters Headers Body cURL Integration properties

URI parameters: id 103

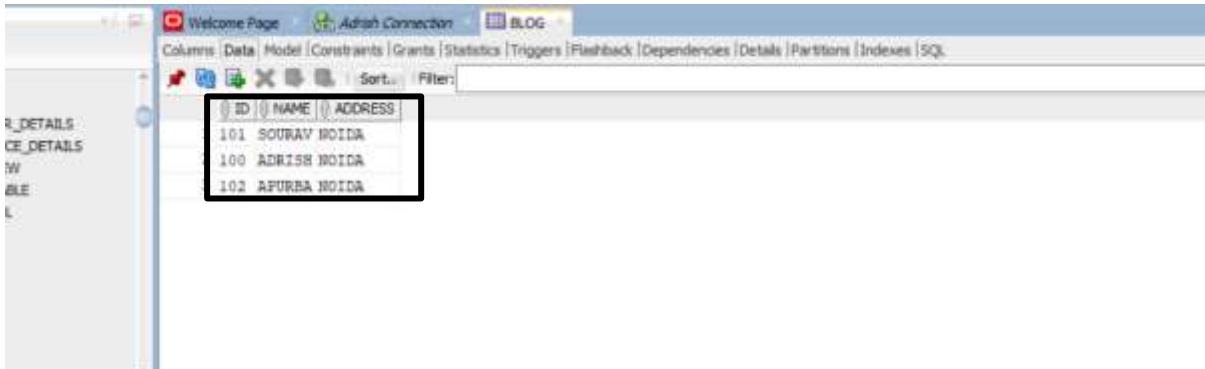
Response

Status: 202 Accepted | Instance ID: azF746-zEe5vdAF_E9jd7g

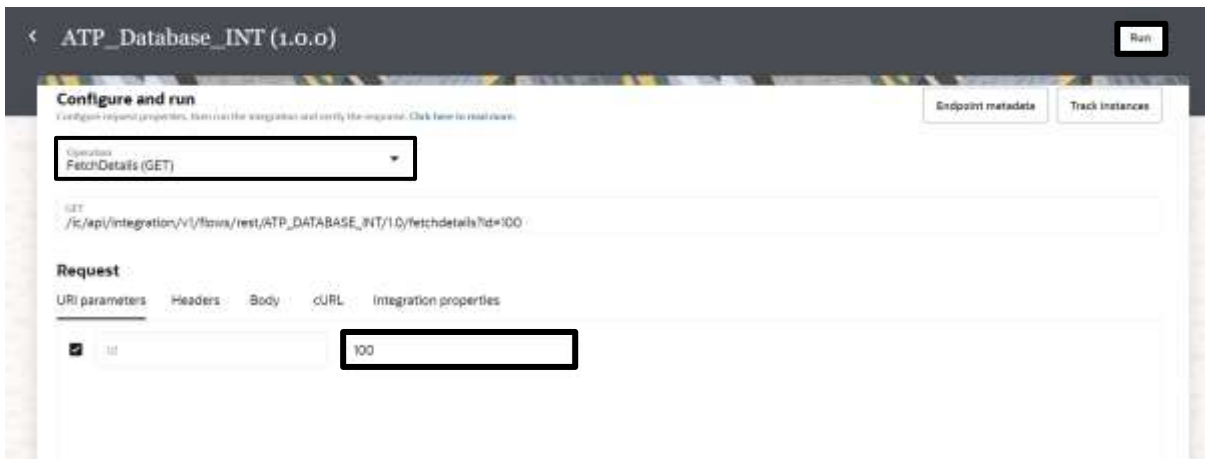
Tracing level: Audit

- 15:07:16.700 PM: Message processed by Trigger Pick Receive for Operation ATPDatabase_Deletedetails
- 15:07:16.723 PM: Message started processing
- 15:07:16.728 PM: Data Mapping completed
- 15:07:16.735 PM: Invoke DeleteTable
- 15:07:16.801 PM: Processing completed successfully

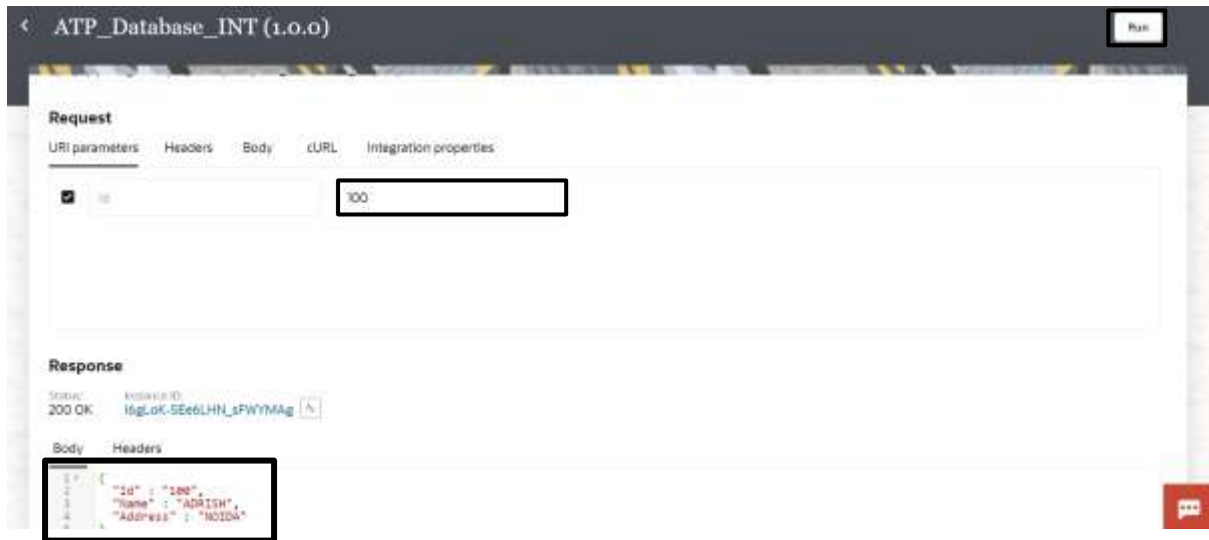
STEP 105: Navigate to DatabaseUI and you can see the field getsr successfully executed



STEP 106: Now, select the Operation as 'FetchDetails' from the Operation Dropdown and pass the 'Query Parameter' and click on 'Run'



STEP 107: You Can see the details according to the respective ID and the following details below





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