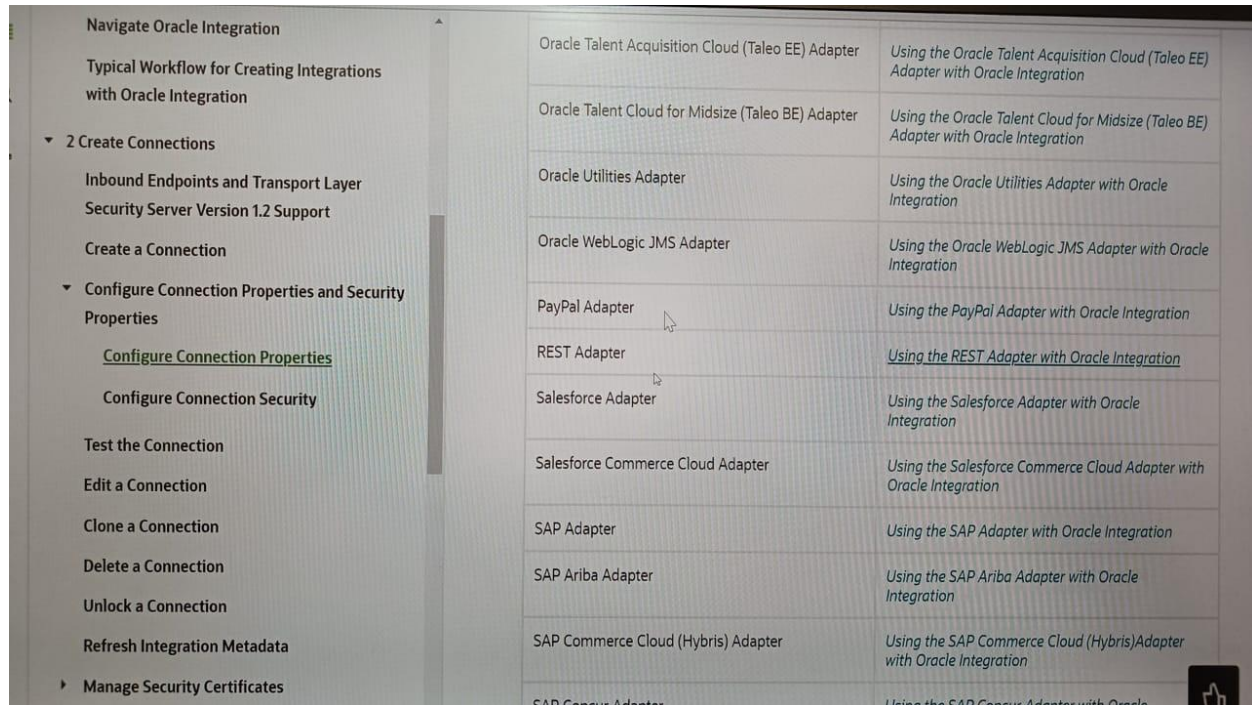## BUILDING INTEGRATION WITH REST ADAPTER:

IN THIS WE ARE ONLY SENDING REST BASED REQUEST IN THE FORM OF XML FILE

GO TO OIC DOC TO READ THE PROCESS>

FIRST CREATE CONNECTION>NAVBAR>CONNECTIONS>CREATE>REST>

In Oracle Integration Cloud (OIC), we "trigger" an integration to make things happen automatically between different systems.

Create Connection

REST

What is it called?

The Name can be changed later. The Identifier can be set only now and it must be unique.

* **Name** OIC_REST_Trigget

* **Identifier** OIC_REST_TRIGGET

Keywords Enter new or existing keyword

Select what role this connection will play in integrations.

* **Role** Trigger

Description What does it do?

1024 characters left

Cancel   Create

OIC_REST_Trigget CONFIGURED

REST Connection

REST

Connection details are already configured and the connection is ready to be used.

Role(s)

Trigger

Security

Security to specify the login credentials to access your application/endpoint.

Security Policy
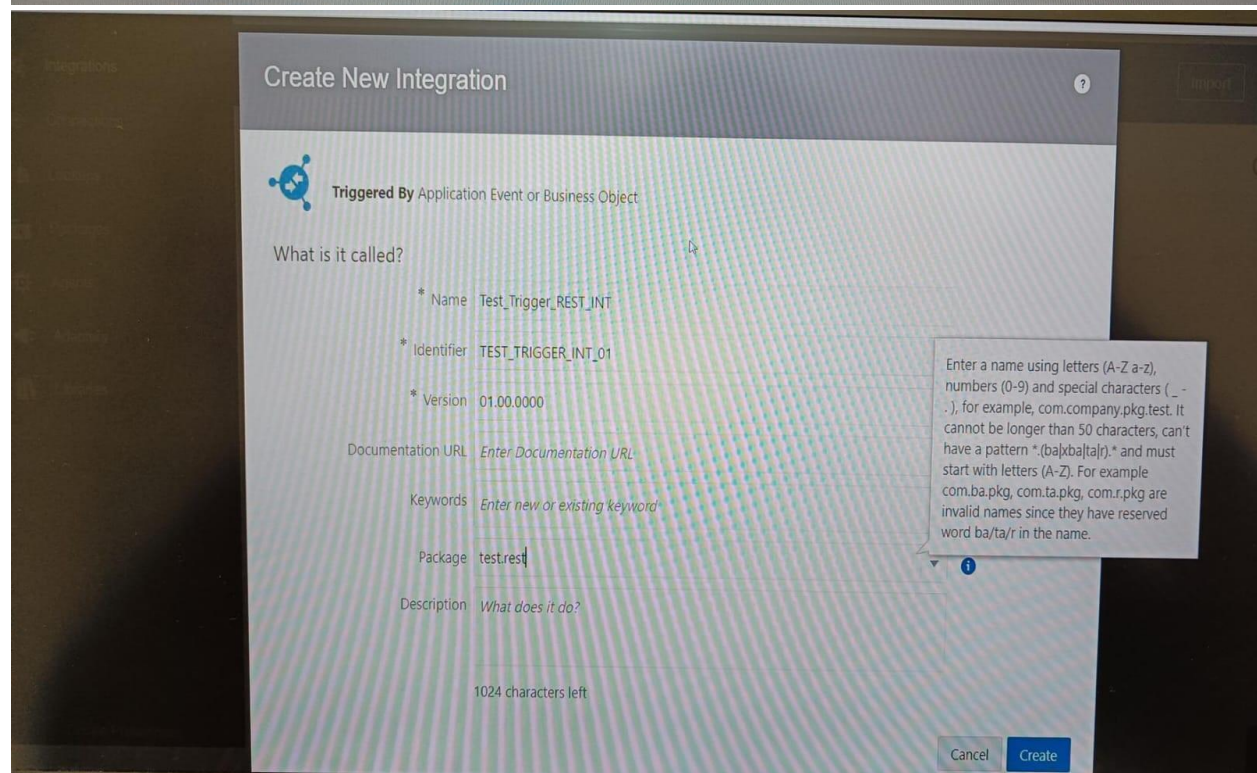
Basic Authentication

CONFIRMATION

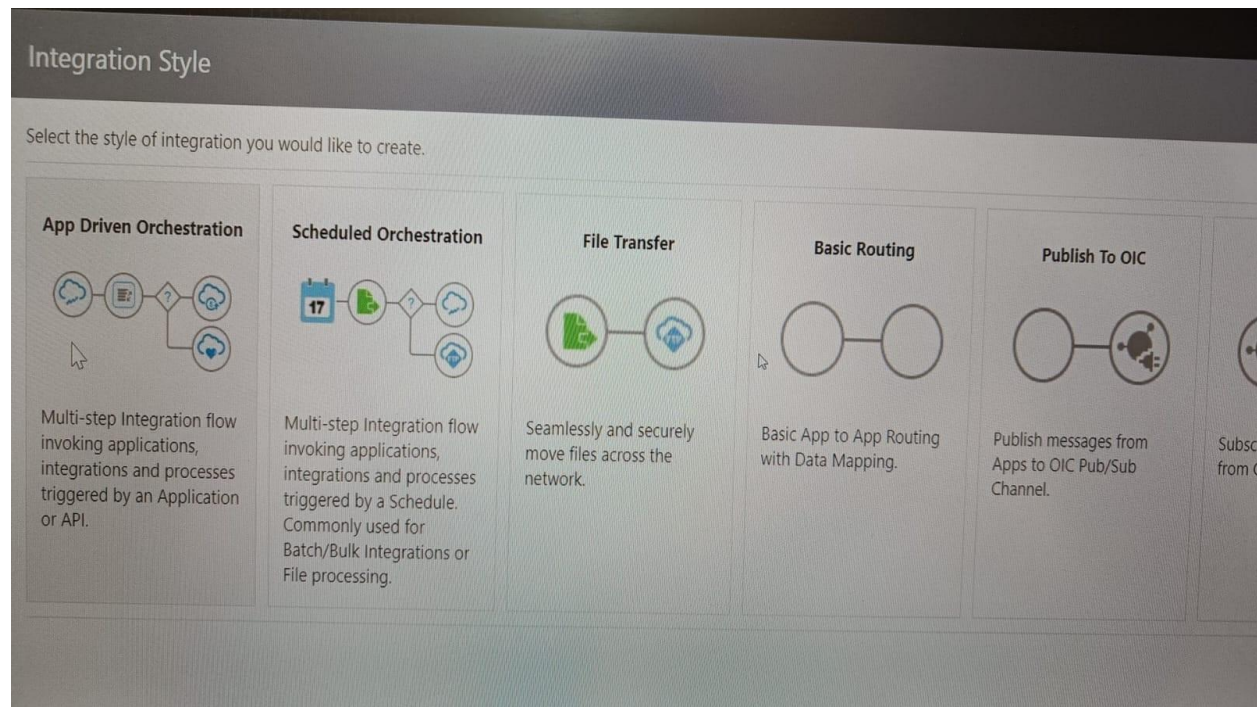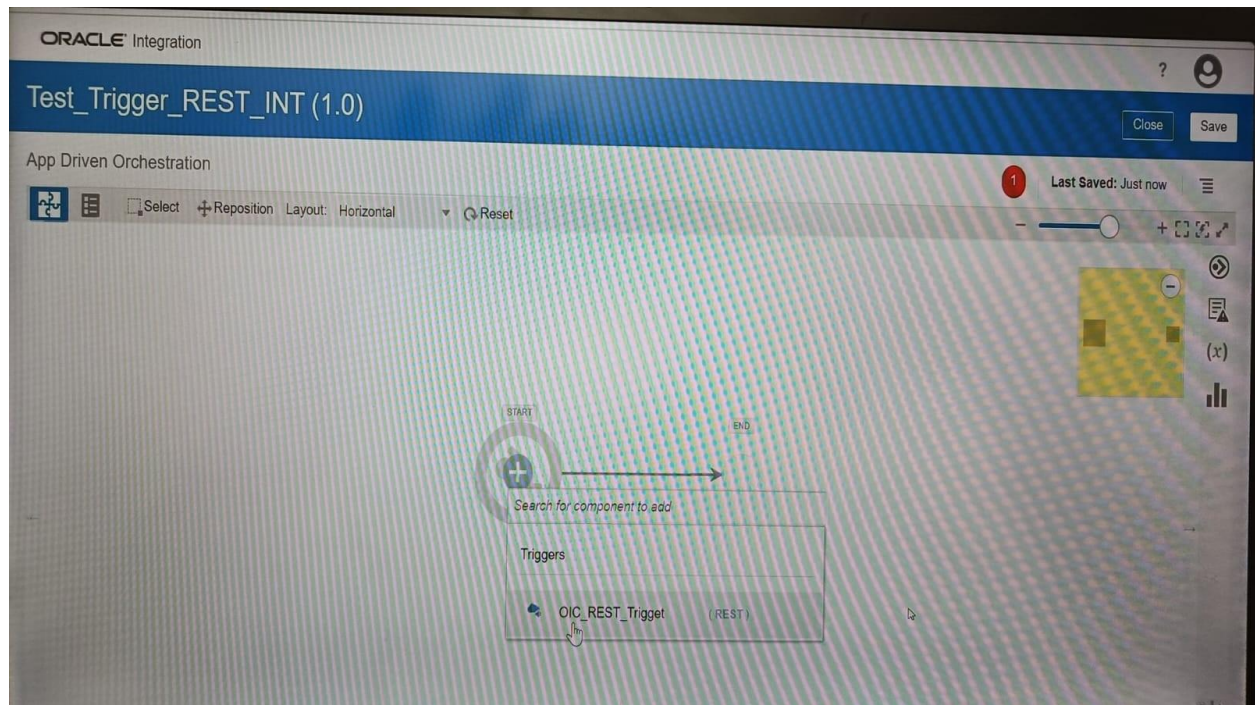Connection OIC_REST_Trigget was tested successfully.

- The username and password are not validated as part of this test. You m
  separately before using them with this security policy.

CONNECTION HAS BEEN CREATED.

NOW CREATE INTEGRATION:

GO TO NAVBAR>INTEGRATIONS>CREATE>

Integration Style

Select the style of integration you would like to create.

App Driven Orchestration	Scheduled Orchestration	File Transfer	Basic Routing	Publish To OIC	
Multi-step Integration flow invoking applications, integrations and processes triggered by an Application or API.	Multi-step Integration flow invoking applications, integrations and processes triggered by a Schedule. Commonly used for Batch/Bulk Integrations or File processing.	Seamlessly and securely move files across the network.	Basic App to App Routing with Data Mapping.	Publish messages from Apps to OIC Pub/Sub Channel.	Subsc... from C...

Integrations

Create New Integration   ?   Import

Triggered By Application Event or Business Object

What is it called?

* Name   Test_Trigger_REST_INT

* Identifier   TEST_TRIGGER_INT_01

* Version   01.00.0000

Documentation URL   *Enter Documentation URL*

Keywords   *Enter new or existing keyword*

Package   test.rest

Description   *What does it do?*

1024 characters left

> Enter a name using letters (A-Z a-z), numbers (0-9) and special characters (_ - .), for example, com.company.pkg.test. It cannot be longer than 50 characters, can't have a pattern *.(ba|xba|ta|r).* and must start with letters (A-Z). For example com.ba.pkg, com.ta.pkg, com.r.pkg are invalid names since they have reserved word ba/ta/r in the name.

Cancel   Create

When you're creating an integration in **Oracle Integration Cloud (OIC)** and configuring a **REST endpoint**, you're setting up the connection between OIC and an external RESTful service (e.g., a web service or an API) that will either send or receive data.

Configure REST Endpoint

Help ▼ | < Back | **Next >** | Cancel | Done

ES

Welcome to the REST Endpoint Configuration Wizard
This wizard helps you configure an endpoint using the REST adapter

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Basic Info	* What do you want to call your endpoint?
Resource Configuration	Trigger
Request Parameters	What does this endpoint do?
Request	Describe the endpoint's purpose and detail
Request Headers	Describe the endpoint's purpose and detail
CORS Configuration	
Response	Select to configure multiple resources or verbs. (maximum 11) ☐
Response Headers	
Operations	

This wizard helps you configure an endpoint using the REST adapter.

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Last Sav

Select ╬Rep

✔ Basic Info	* Provide an operation name
Resource Configuration	default
Request Parameters	What does this operation do?
Request	testing trigger rest
Request Headers	
CORS Configuration	* What is the endpoint's relative resource URI?
Response	/test
Response Headers	* What action do you want to perform on the endpoint?
Operations	POST ▾
Summary	

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

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Basic Info ✔

Resource Configuration ✔

Request Parameters

Request

Request Headers

CORS Configuration

Response

Response Headers

Operations

Summary

Operation Name: default

Resource URI: /test

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 | ⌄ |

❓ Sample Location [Choose File] No file chosen   --OR-- enter sample JSON <<< inline >>>

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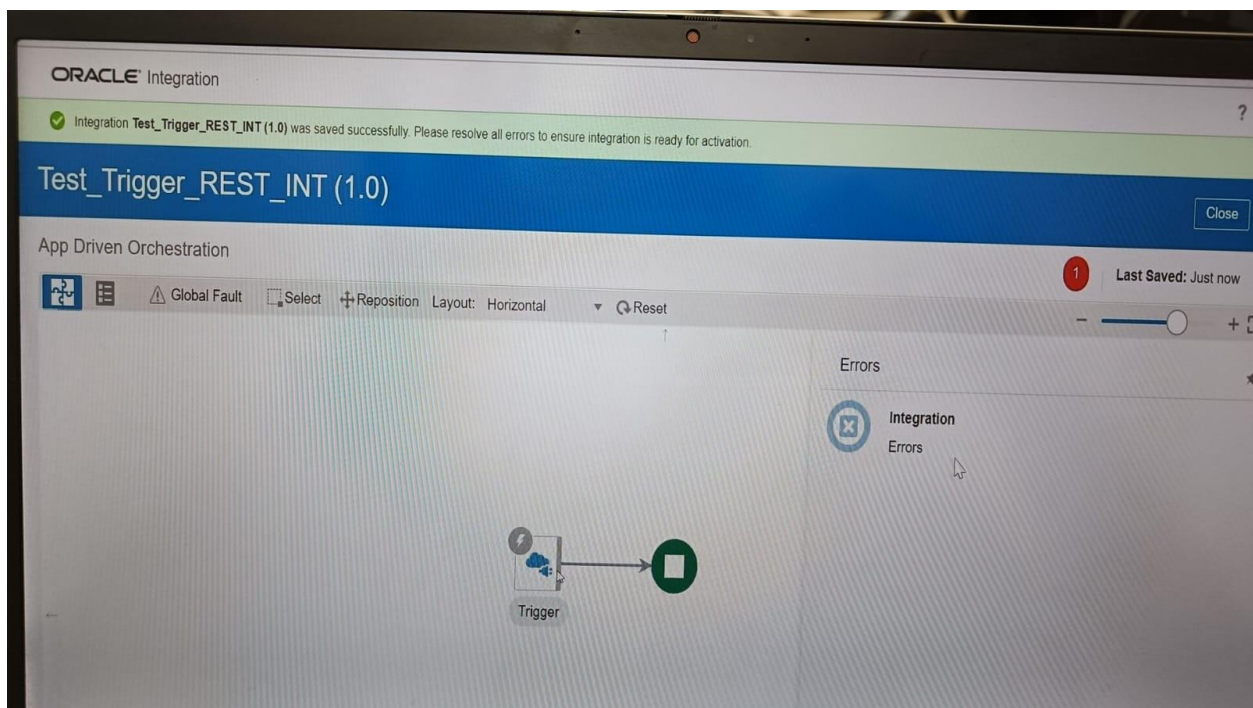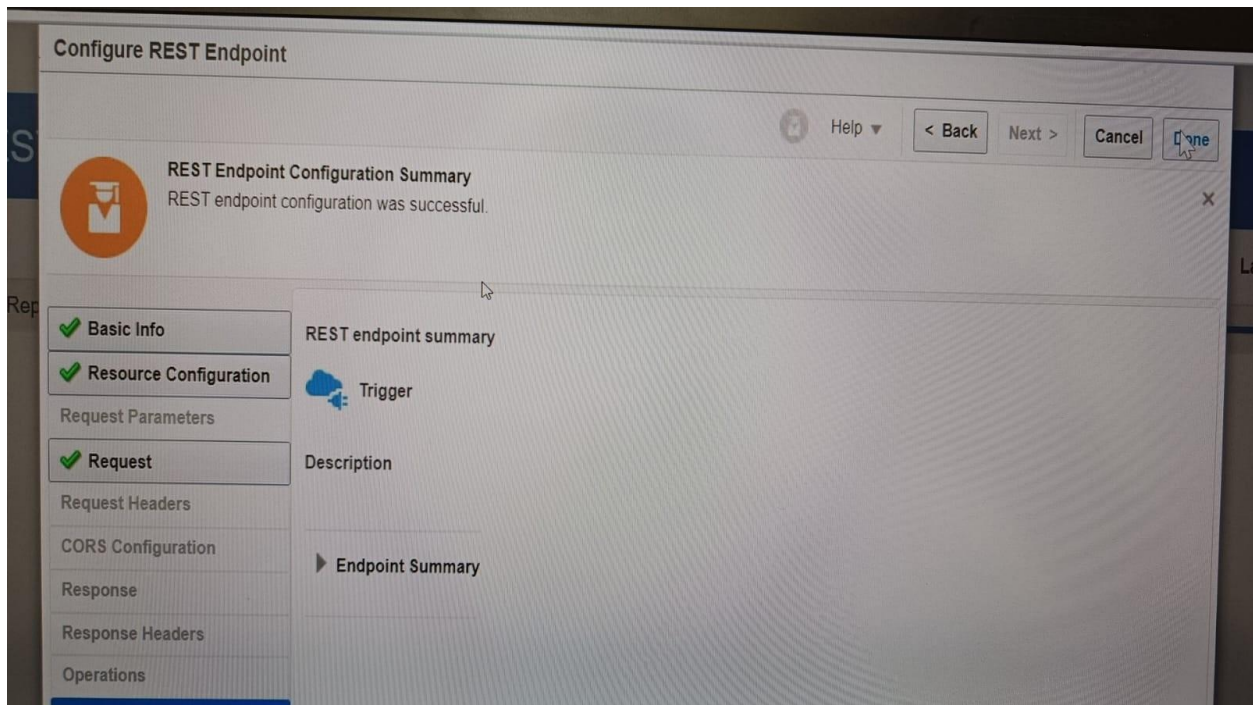
◉ XML

○ XML(text)

○ JSON

Request Sample Json Payload

Enter the sample JSON that describes the HTTP message payload.

Basic Info ✔

Resource Configuration ✔

Request Parameters

Request

Request Headers

CORS Configuration

Response

Response Headers

Operations

Summary

JSON value entered here will be used to define the payload type for this service.

```
{
"name" : "name"
}
```

Configure REST Endpoint

Help ▼ | < Back | Next > | Cancel | Done

REST Endpoint Configuration Summary
REST endpoint configuration was successful.

- ✅ **Basic Info**
- ✅ **Resource Configuration**
- Request Parameters
- ✅ **Request**
- Request Headers
- CORS Configuration
- Response
- Response Headers
- Operations

REST endpoint summary

☁ Trigger

Description

▶ Endpoint Summary

ORACLE Integration

✅ Integration **Test_Trigger_REST_INT (1.0)** was saved successfully. Please resolve all errors to ensure integration is ready for activation.

Test_Trigger_REST_INT (1.0)

Close

App Driven Orchestration

⚠ Global Fault | ☐ Select | ✛ Reposition | Layout: Horizontal ▼ | ↻ Reset

1 Last Saved: Just now

Errors

☒ **Integration**
Errors

Trigger

ERROR DUE TO TRACKING>

Tracking

Export

Regenerate Endpoints

Primary Info

Delete

eposition Layout: Horizontal ▼ ↻ Reset

(x)

Trigger

View ▼ Filter ⛛ Detach

Source Find... 🔍

▲ ⟨⟩ *execute

  ▲ ⟨⟩ *request-wrapper

    ⟨⟩ *name ✓

  ▲ ⟨⟩ *ConnectivityProperties

    ▶ ⟨⟩ RestAPI

Business identifiers enable runtime tracking on messages. Specify up to three tracking fields. A primary identifier is required. It enables you to track fields across integration flows and is always available.

Additional business identifier fields are optional. At runtime, they are available for tracking only when this integration flow is selected.

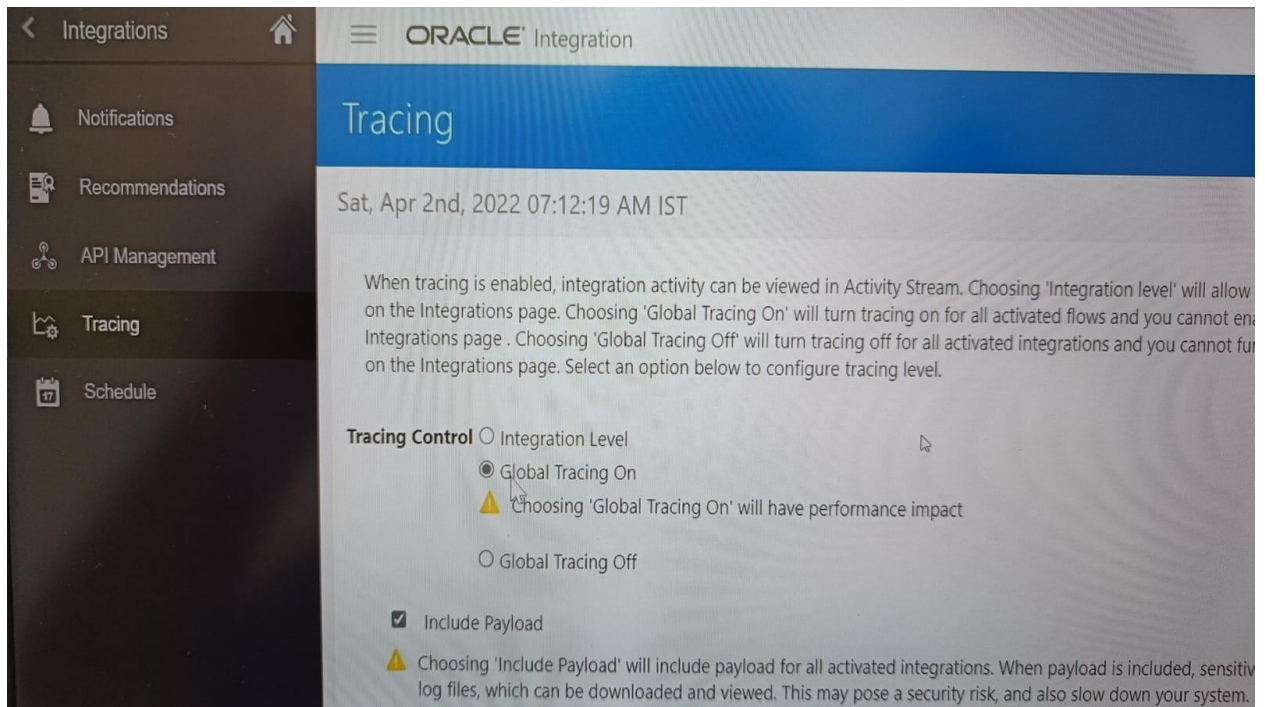| Primary	Tracking Field	Tracking Name	Tracking Variable	Help Text	
✓	name	name	tracking_var_1	How to track it?	🔒
	Drag a trigger field here	tracking_var_2	tracking_var_2		
	Drag a trigger field here	tracking_var_3	tracking_var_3		

ACTIVATING ABOVE INTERGRATION:
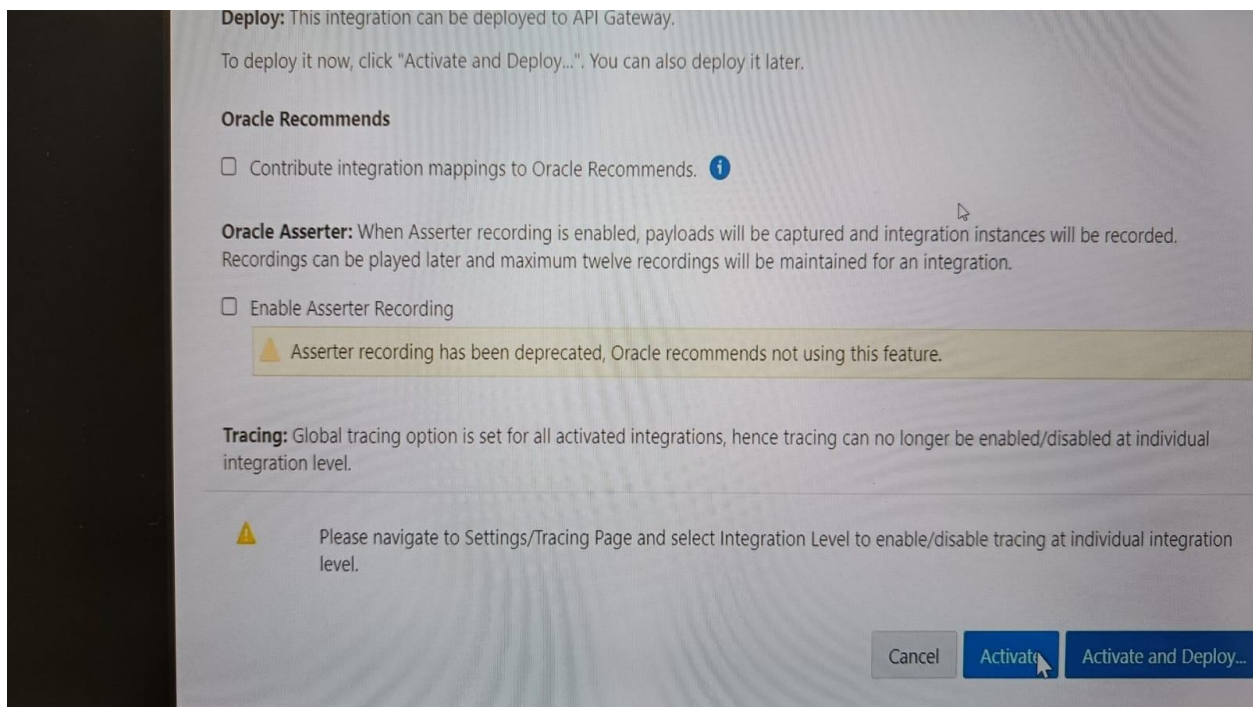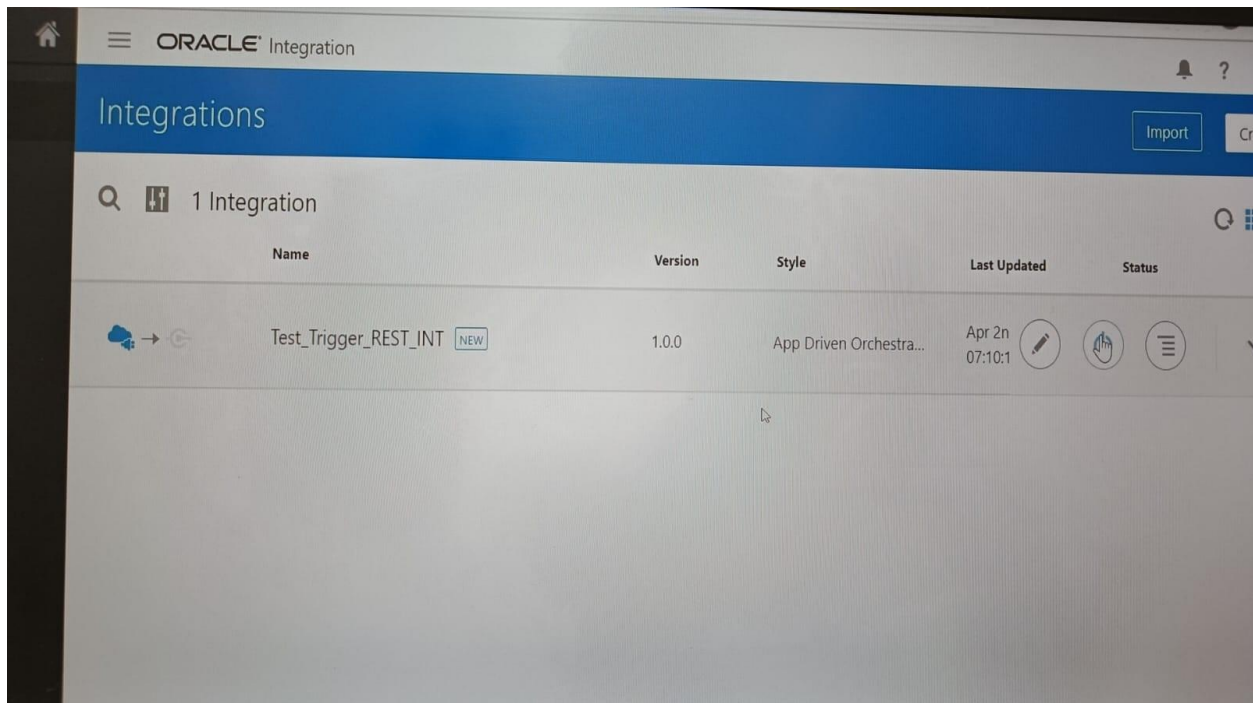
GO TO SETTINGS TO ENABLE 'TRACE WITH PAYLOAD' OPTION:

SETTINGS>INTEGRATIONS>TRACING>

TESTING OUR INTEGRATION:

INTEGRATIONS>OUR INTE>CLICK ON TEST>

Configure request properties, then Test your endpoint and verify the response.

Track Instances | Show Endpoint Metadata | ?

POST | /ic/api/integration/v1/flows/rest/TEST_TRIGGER_INT_01/1.0/test

Te

▲ Request

URI Parameters   Headers   **Body**   cURL   Integration Properties

● Text   ○ File

```
1 ▾  {
2        "name": "learning oic"
3    }
```

earning oic"

Activity Stream

Instance Id: 4800001
Click refresh to fetch latest tracing data and payload

Ascending

Sat, Apr 2nd, 2022 ● Message received: Instance created and enqueued for processing
07:14:36.074 AM IST

07:14:38.760 AM ● Message dequeued and processed by *Trigger* **Trigger**

Message

```
<execute
xmlns="http://xmlns.oracle.com/cloud/adapter/REST/Trigger_REQUEST/types
">
    <request-wrapper
xmlns="http://xmlns.oracle.com/cloud/adapter/REST/Trigger/types">
        <name>learning oic</name>
    </request-wrapper>
    <HTTPHeaders />
    <ConnectivityProperties
xmlns="http://xmlns.oracle.com/cloud/adapter/connectivityproperties/RES
T/Trigger_REQUEST/RESTINREQ">
        <RestAPI>
            <http.request.method>POST</http.request.method>
            <http.request.uri>https://learning236-yzguo69kabyn-
to.integration.ocp.oraclecloud.com:443/ic/api/integration/v1/flows/rest
/TEST_TRIGGER_INT_01/1.0/test</http.request.uri>
                <http.request.relative.uri>/test</http.request.relative.uri>

    <http.request.path>/ic/api/integration/v1/flows/rest/TEST_TRIGGER_INT_
01/1.0</http.request.path>
```

Status: 202 Accepted   >