

Use of the fix within the exercises simple

#fix_cld900_20

Summary

When will the fix be necessary?

If the freely available ES5 database is not accessible. Then the following exercises cannot be carried out as described.

- Exercise06: Create an API provider based on your ES5 demo system
- Exercise07: Create an API based on the created API Provider.
- Exercise08: Add policies for basic authentication against the ES5 demo system.
- Exercise10: Explore The API Designer
- Exercise11: Create a Product based on your created API.
- Exercise19: Create a Request and Replay external Call

How is the following fix applied?

Exercise06: Create an API provider based on your ES5 demo system

- This exercise cannot be performed

Exercise07: Create an API based on the created API provider.

- This exercise is replaced by the procedure described below. The *API Proxy* is created directly via URL instead of via an *API provider*.

Exercise08: Adding guidelines for basic authentication against the ES5 demo system.

- This exercise can be carried out as described. However, the *replacement URL* can already be called without authentication. The exercise then has no influence on the call. As an exercise for the participants, it still makes sense.

Exercise10: Explore The API Designer

- This exercise can only be carried out to a limited extent, as only a self-created resource */ProductSet* is available instead of all resources. As an exercise for the participants, it still makes sense

Exercise11: Create a Product based on your created API.

- This exercise can only be carried out to a limited extent, as only one resource can be selected when selecting the API.

From here on, we only use the original replacement URL and not the API created in the API management itself.

Exercise19: Create a Request and Replay external Call

- The *replacement URL* is entered as *Address*

Exercise21: Create a Request and Replay external Call

- The *replacement URL* is entered as *Address*.

Exercise25: Create a Request and Replay external Call

- The *replacement URL* is entered as *Address*.

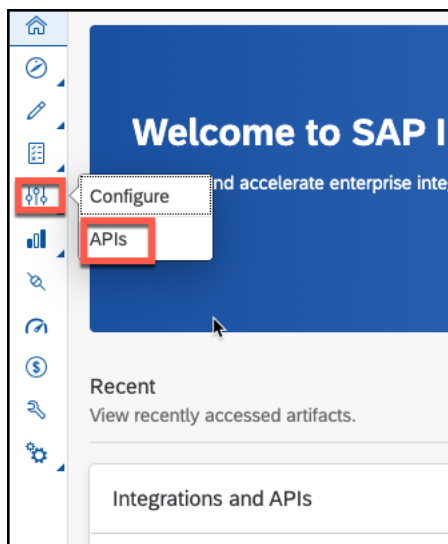
Replacement URL for ES5

- Replacement URL: https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/v1/WA_GWSAMPLE_BASIC
- The source is an S/4HANA onPrem that is connected via the Cloud Connector and API management.

Fix for Exercise07: Create an API based on the created API Provider.

Creating an API proxy of type *Internet*

- In the new navigation on the left side, click on *Configure > APIs*.




- On the detail page, select the *API Proxies* tab.

Configure

Create and configure API proxies, API providers, certificates, key-value maps, and policy templates.

API Proxies (1) API Providers (1) Certificates (0) Key Value Maps (0) Policy Templates (0)

Create Import API Cr


Name	Title	Status	Type
 HelloWorldAPI	HelloWorldAPI	Deployed	REST

API proxies with the exercise name may already be available. The API proxy name must be unique.

- Click on the *Create* button.
- Enter the following entries in the emerging mask.

Create API


Select: ☐ API Provider ☐ API Proxy ☒ URL **1**



URL *  **2**


API Details

Name: * **3**


Title: * **4**

API State: * 

Host Alias: *  

API Base Pa... *  **5**

Version:

Service Type: 

Create Cancel

1. Click on the radio button *URL*
2. Enter the replacement URL in the URL field: https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/v1/WA_GWSAMPLE_BASIC
3. Enter a unique name here, e.g.: GWSAMPLE_BASIC_XX .
4. Enter the same name as before here, e.g.: GWSAMPLE_BASIC_XX

5. Under API Base Path: Enter the name with presented slash, e.g. : / GWSAMPLE_BASIC_XX

Result

- Then enter under version: v1. The data already entered will be changed by the version number.
- Adjust The Following

The screenshot shows an API configuration form with the following fields and annotations:

- Select:** Radio buttons for API Provider, API Proxy, and URL (selected).
- URL:** Text field containing `https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/...`.
- API Details:**
 - Name:** Text field containing `GWSAMPE_BASIC_XX_v1` (annotated with a red circle 1).
 - Title:** Text field containing `GWSAMPE_BASIC_XX` (annotated with a red circle 2).
 - API State:** Dropdown menu set to `Active`.
 - Host Alias:** Text field containing `dev.test.apimanagement.eu10.hana.ondemand.com`.
 - API Base Pa...:** Text field containing `/v1/GWSAMPE_BASIC_XX` (annotated with a red circle 3).
 - Version:** Text field containing `v1` (annotated with a red circle 4).
 - Service Type:** Dropdown menu set to `REST` (annotated with a red circle 4).

At the bottom right, there are `Create` and `Cancel` buttons.

1. Version number automatically added
2. Version number must be added manually
3. Version number automatically added to the path.
4. Only *REST* can be selected here.

Manual adjustments

1. Enter the version number under title. The name and title should be the same.

Create API

Select: ☐ API Provider ☐ API Proxy ☒ URL

URL * ?

API Details

Name: *

Title: * 1

API State: *

Host Alias: * ?

API Base Pa... * ?

Version:

Service Type:

2 Create Cancel

2. The *Create* button only becomes active after entering the version.
- Click on the *Create* button On the following page,
 - Click on the *Deploy* button at the top right

Create API

Save Deploy Cancel ...

GWSAMPE_BASIC_XX_v1

Overview Proxy EndPoint Target EndPoint Resources

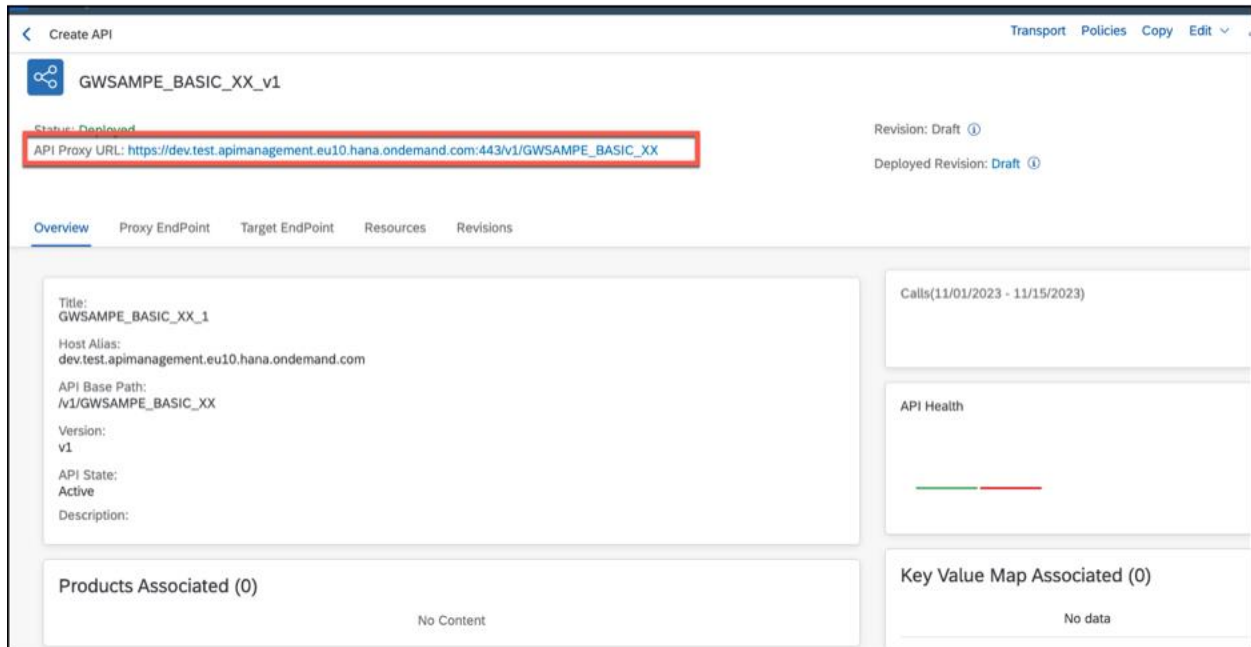
Name: *

Title: *

Host Alias:

API Base Path:

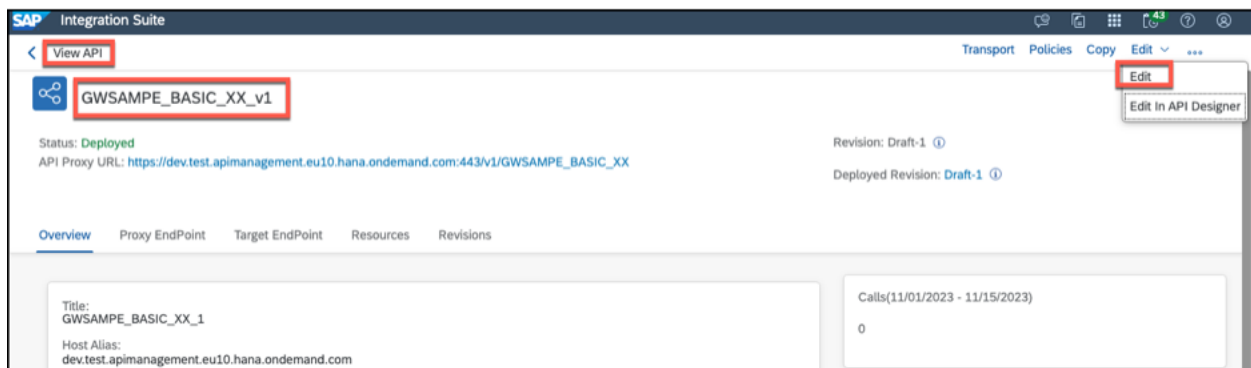
- API proxy URL for use in cloud integration



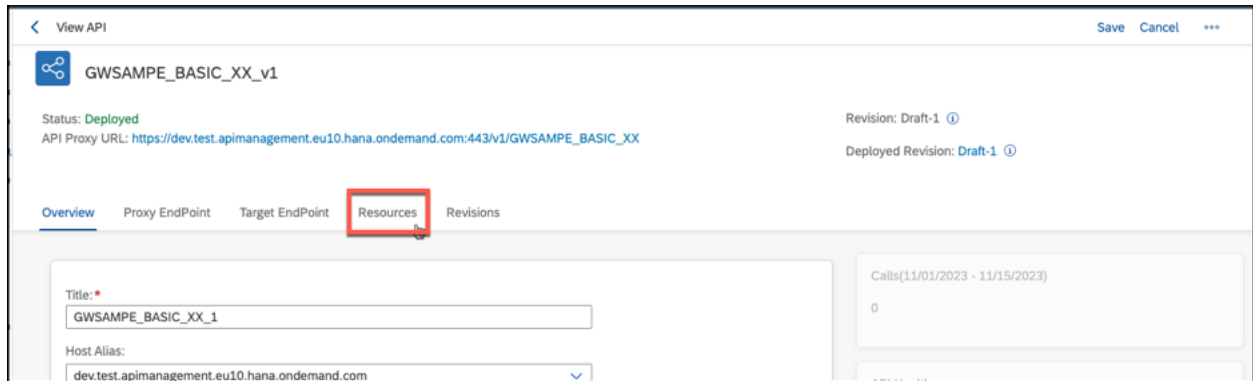
Creating a resource

A resource is created to test the URL. Since we have to use a API proxy of type *REST*, no *resources* are automatically created. If the API proxy is of type *OData*, resources are created automatically.

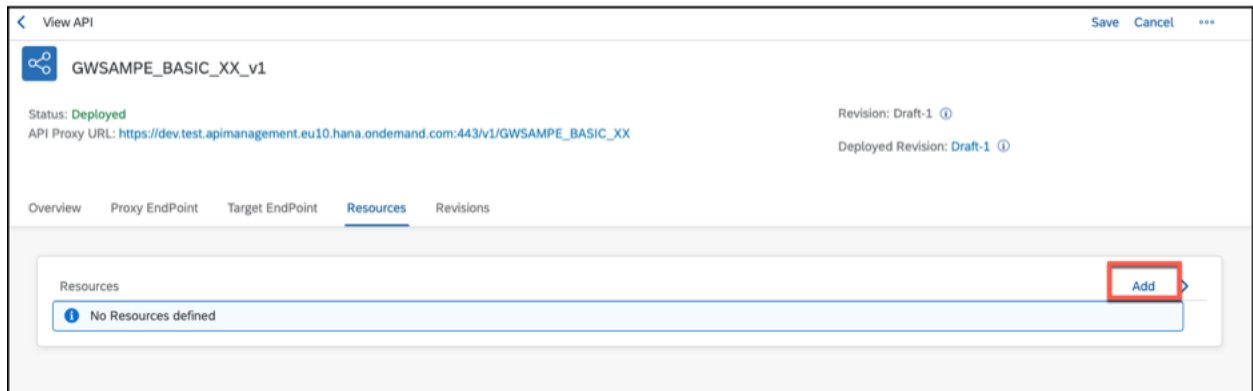
- In the *Create API* view of the just created API proxy *GWSAMPLE_BASIC_XX_v1* click on the *Edit* button, at the top right.
- Then select *Edit*.



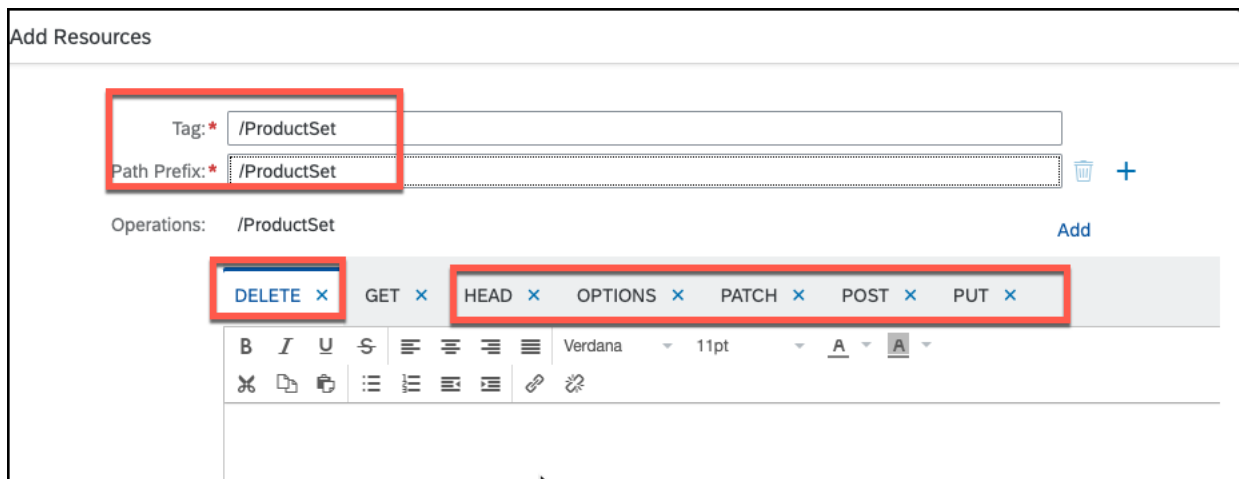
- Then click on the tab *Resources*.



- There is an *Add* button visible.





- Click on the *Add* button and enter the following in the new mask.





- Tag: /ProductSet
- Path Prefix : /ProductSet
- Then delete all verbs with the cross except *GET*


Add Resources



Tag: * /ProductSet

Path Prefix: * /ProductSet  


Operations: /ProductSet 


GET 




- Then click on **OK**.



< **View API**   ...


 GWSAMPE_BASIC_XX_v1

Status: **Deployed** Revision: Draft-1 
API Proxy URL: https://dev.test.apimanagement.eu10.hana.ondemand.com:443/v1/GWSAMPE_BASIC_XX Deployed Revision: Draft-1 

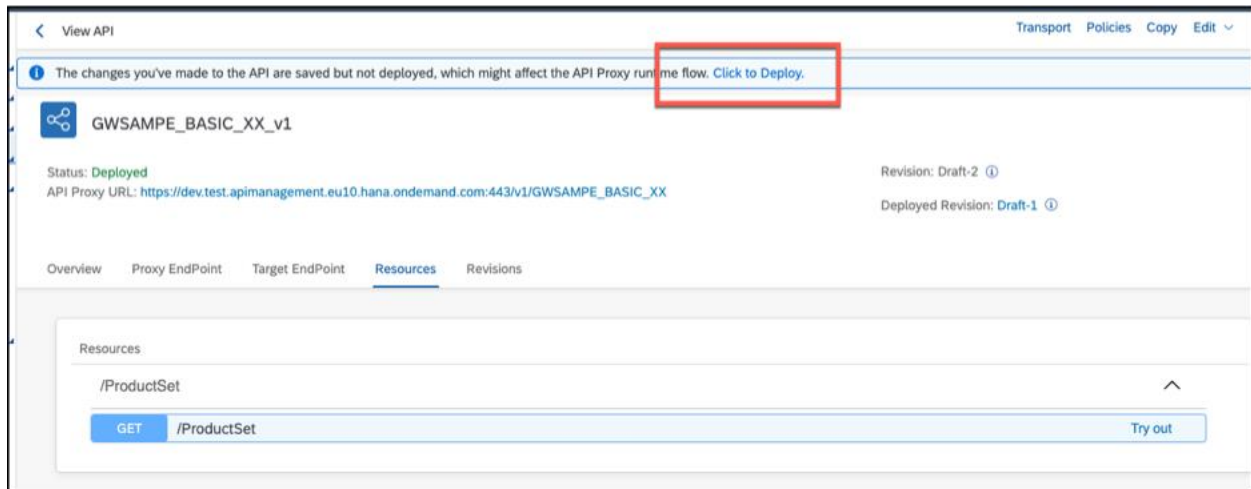
Overview Proxy EndPoint Target EndPoint **Resources** Revisions

Resources 

/ProductSet   

GET /ProductSet 

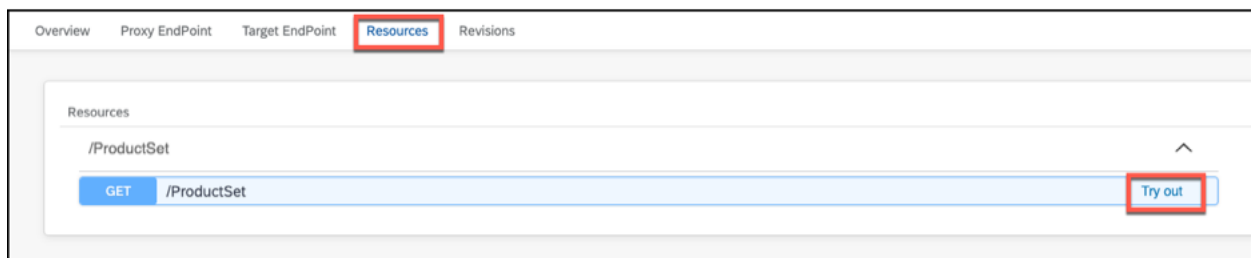
- Back to the *View API* view.
- Now click on the **Save** button.



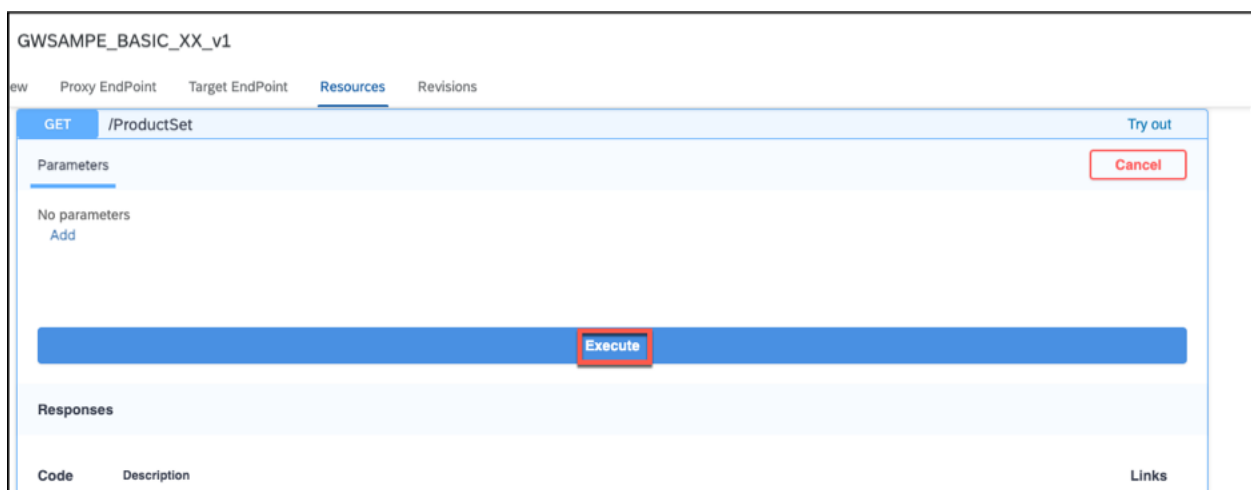
- Then click on the offered link *Click to Deploy*.

Testing the call

- Under Resources in the *View API* view, the created resources are visible.
- After successfully deploying the changed API proxies, click on the link *Try out*.



- Then click on the *Execute* button to execute the request.



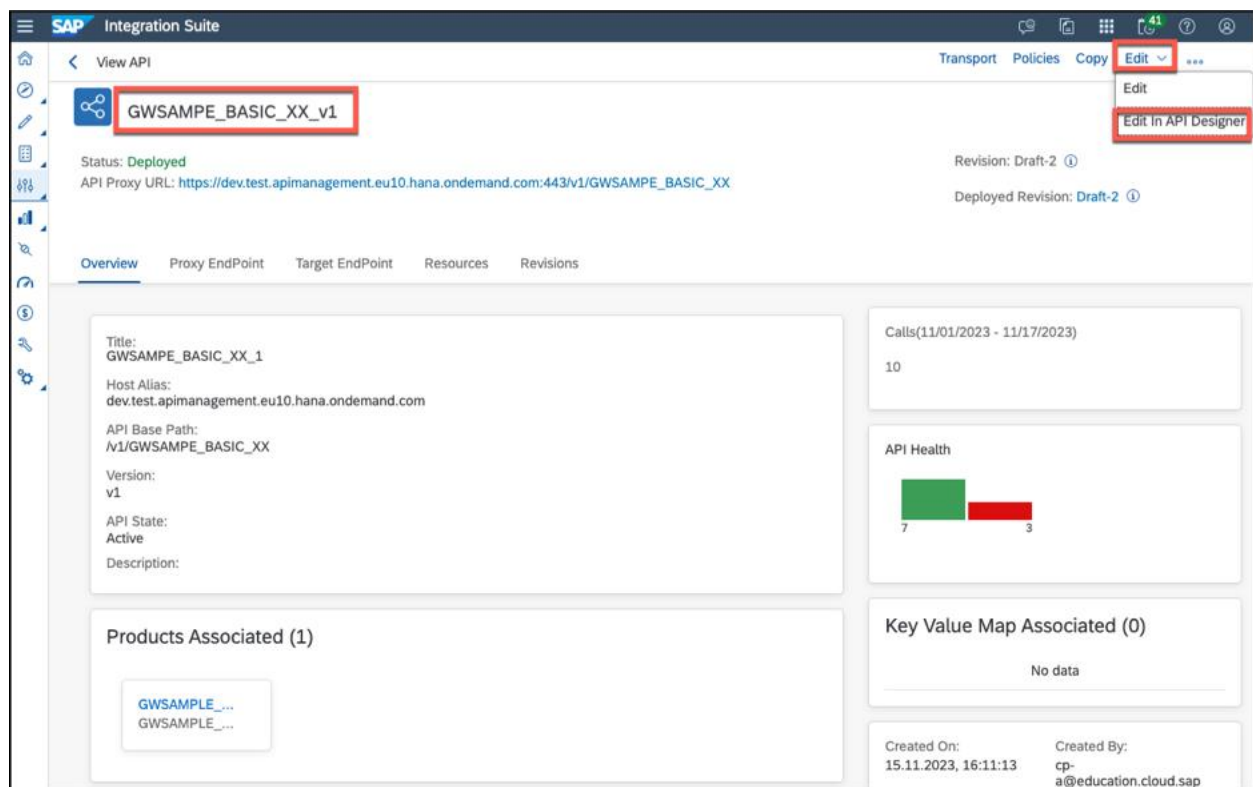
- Since the replacement URL works without additional authorization, the call should be successful.

Exercise08: Add policies for basic authentication against the ES5 demo system.

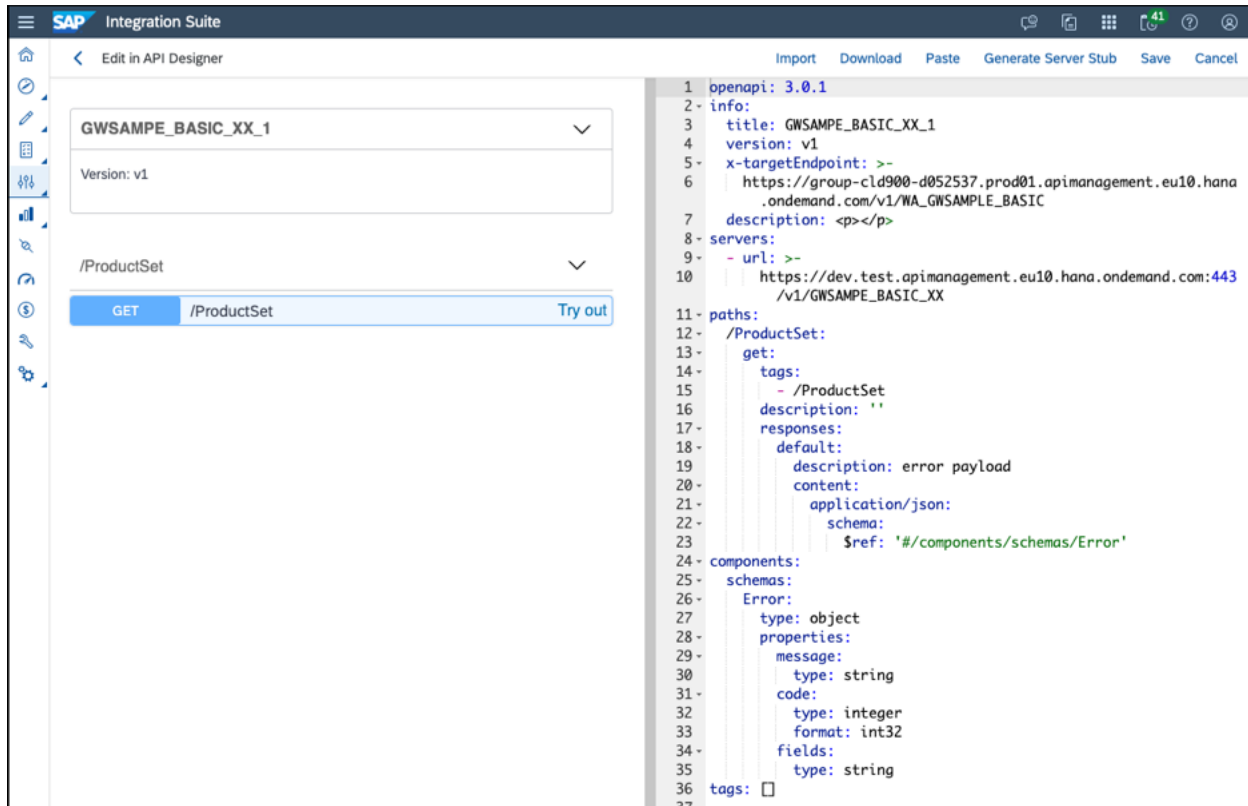
- Optionally, only for practice, the policies can be built in as described in the exercise. The training user and password can be used as the user and password. The policies have no effect.

Exercise10: Explore The API Designer

- Navigate to your *API Proxy* in the *View API* view.



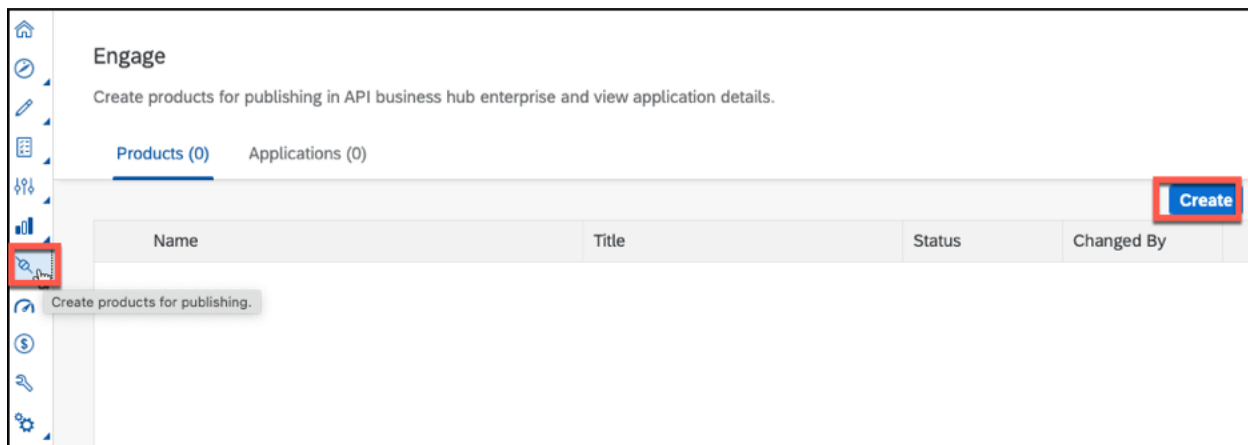
- Click on *Edit* > *Edit in API Designer* in the upper right corner.



Only the openAPI definition of the self-created resource `/ProductSet` is visible. You can compare this view with the screenshots in the documents.

Exercise11: Create a Product based on your created API.

- If the API proxy and the resource have been successfully created and tested, click on the *Connection* button on the right.



- Then click on the button *Create*.
- Below are the steps as described in the exercise.

Tab Overview

- Enter the following under the Overview tab.

The screenshot shows the 'Create Product' form with the 'Overview' tab selected. The 'APIs (0)' tab is also highlighted with a red box. The form fields are as follows:

- Name:** * GWSAMPLE_BASIC_XX_v1_Product
- Title:** * GWSAMPLE_BASIC_XX_v1_Product
- Short Text:**
- Quota:** Count(in numbers)
- Requests Every:** Interval(in numbers) --select--

- Name: e.g. GWSAMPLE_BASIC_XX_v1_Product
- Title: e.g. GWSAMPLE_BASIC_XX_v1_Product
- Description: Any text. This is displayed on the tile in the *API Business Hub Enterprise*.
- Then switch to the *APIs* tab. There, click on the *Add* button and enter the following.

The screenshot shows the 'Create Product' form with the 'APIs (0)' tab selected. The 'Add' button is highlighted with a red box. The form fields are as follows:

- Name:**
- State:**

- Select the previously created API proxy with the resource *ProductSet* here.
- Then click on the *OK* button.

Add APIs

Some of the APIs may have saved changes that are not deployed yet. If such APIs are added to the Product, they will not get published.

Search

	API Name	API State
<input checked="" type="checkbox"/>	GWSAMPE_BASIC_XX_v1	Deployed
<input checked="" type="checkbox"/>	ProductSet	
<input type="checkbox"/>	HelloWorldAPI	Deployed

- Then, in the upper right corner, click on the *Publish* button.

SAP Integration Suite

Create Product Save As Draft Cancel

GWSAMPLE_BASIC_XX_v1_Product

Overview **APIs (1)** Permission Rate plans (0) Custom Attribute (0)

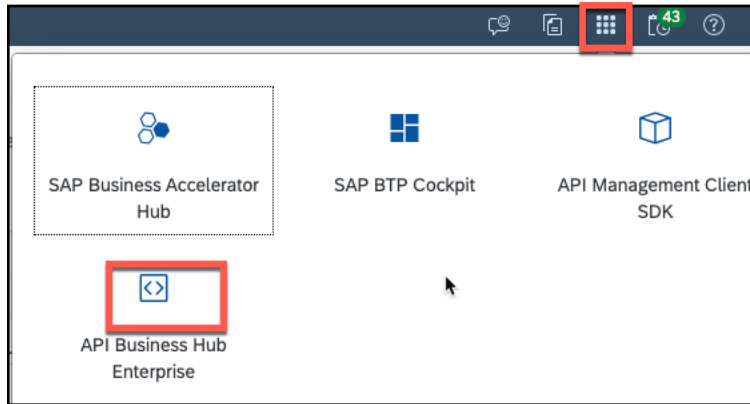
Add Remove

	Name:	State
<input type="checkbox"/>	GWSAMPE_BASIC_XX_v1	Deployed

Possible error

If there is an error when Publishing the product, the *API Business Hub Enterprise* app must first be initialized. This happens on the first access. Therefore, perform the following steps.

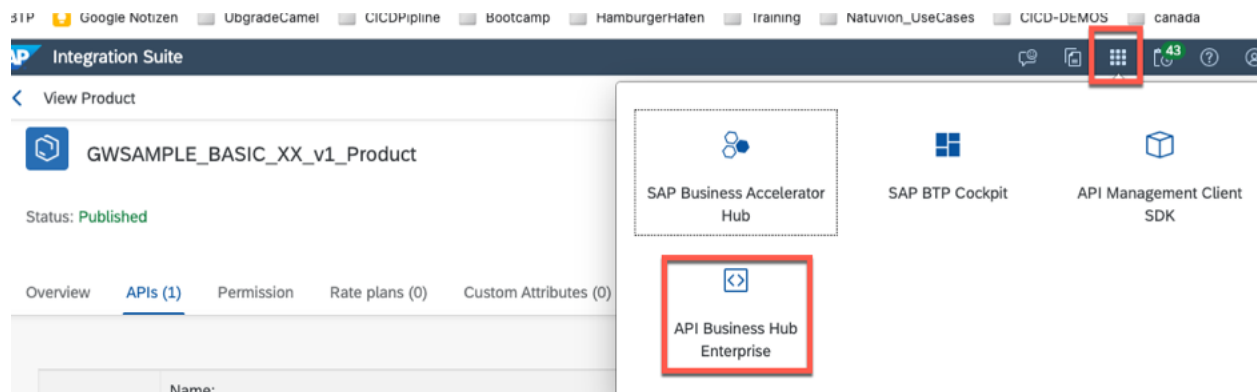
- Click on the icon with 9 points



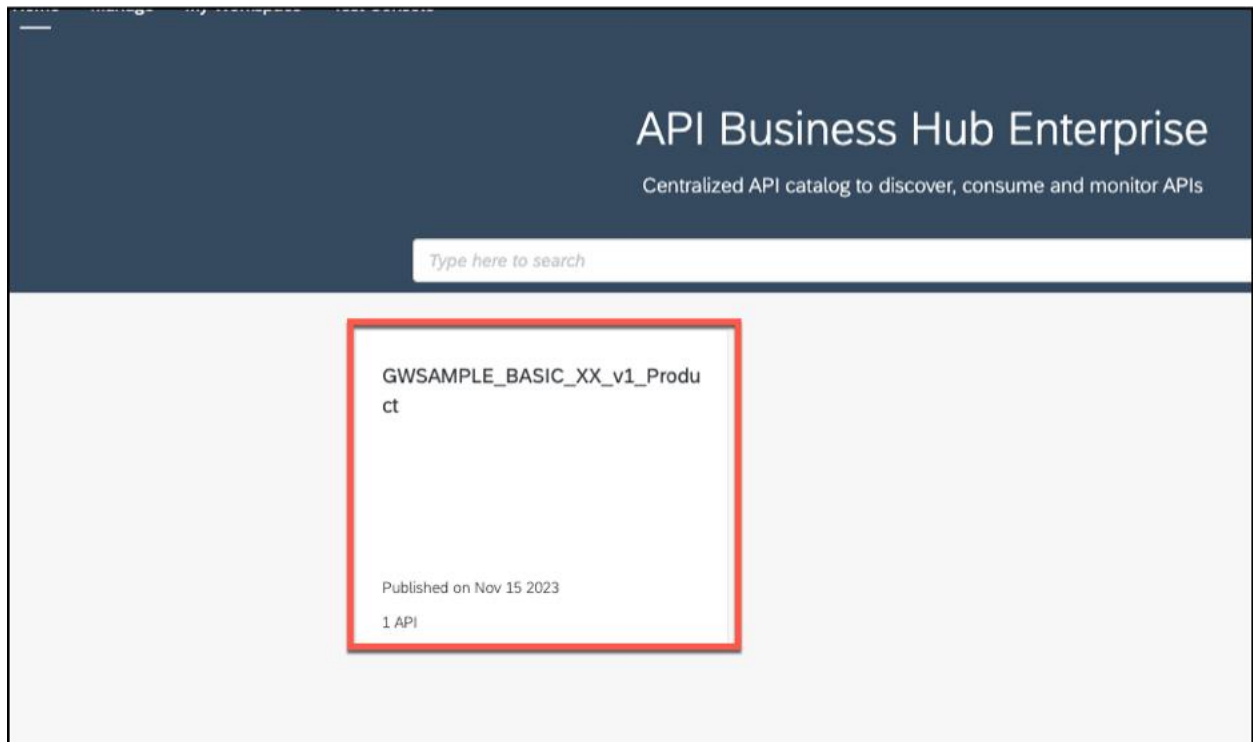
- Then click on the *API Business Hub Enterprise*.
- After that, the API Business Hub Enterprise is initialized on the first call.
- Then close the *API Business Hub Enterprise*.
- Now click on the *Publish* button again.

Test of the product

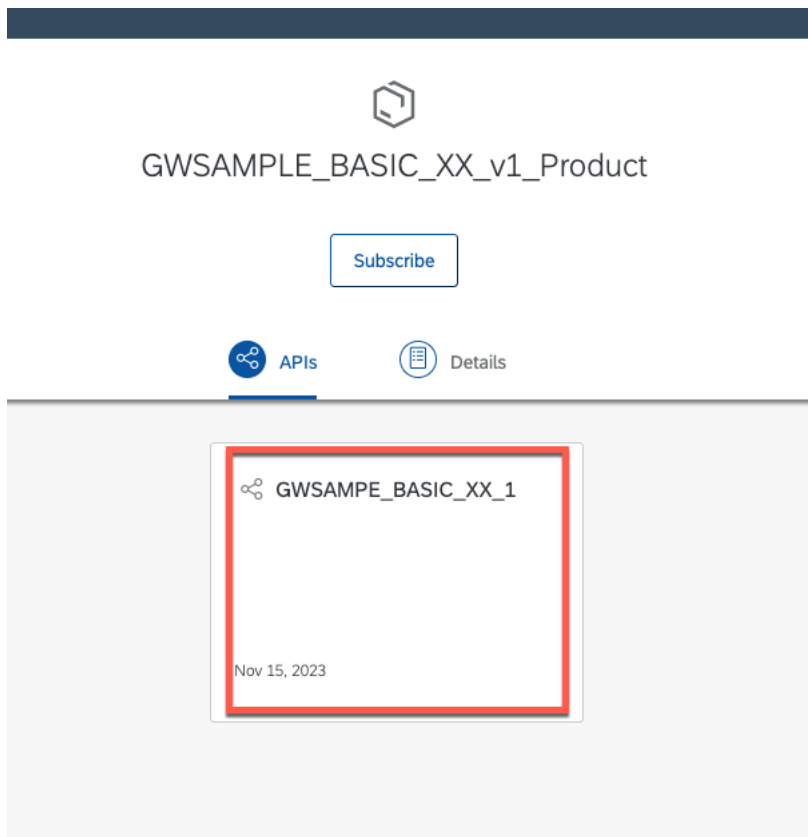
- After the successful publisher of the product in the *API Business Hub Enterprise*, click on the button with the 9 points again. *
- Then click on the *API Business Hub Enterprise* button.



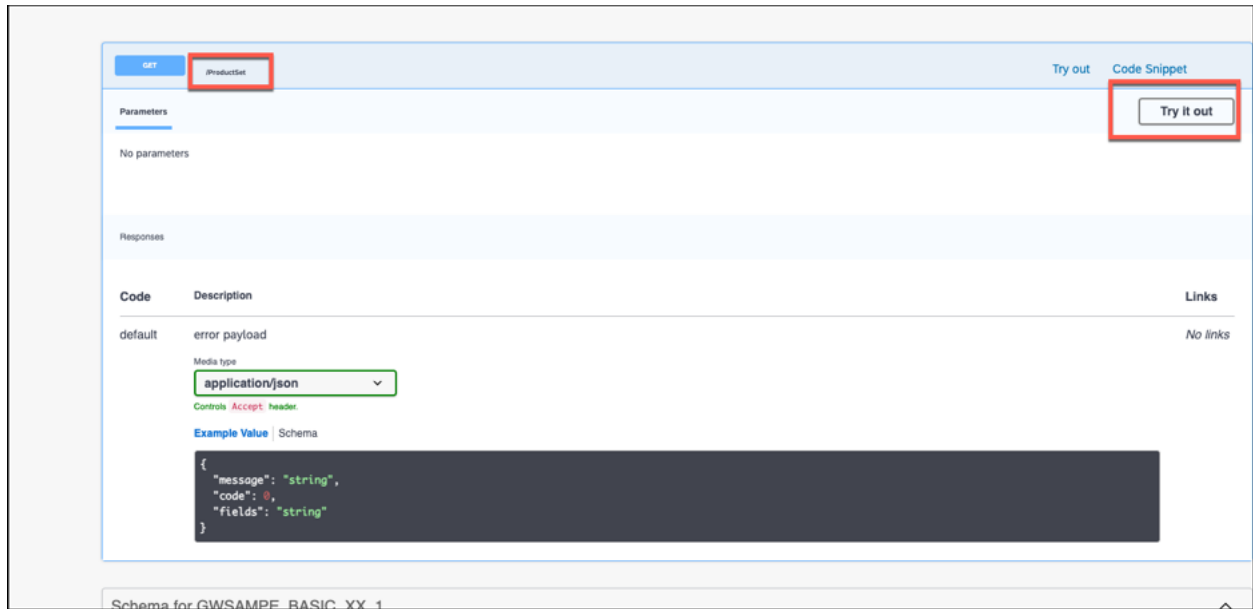
- Im *API Business Hub Enterprise* auf die Kachel mit dem Produktnamen klicken



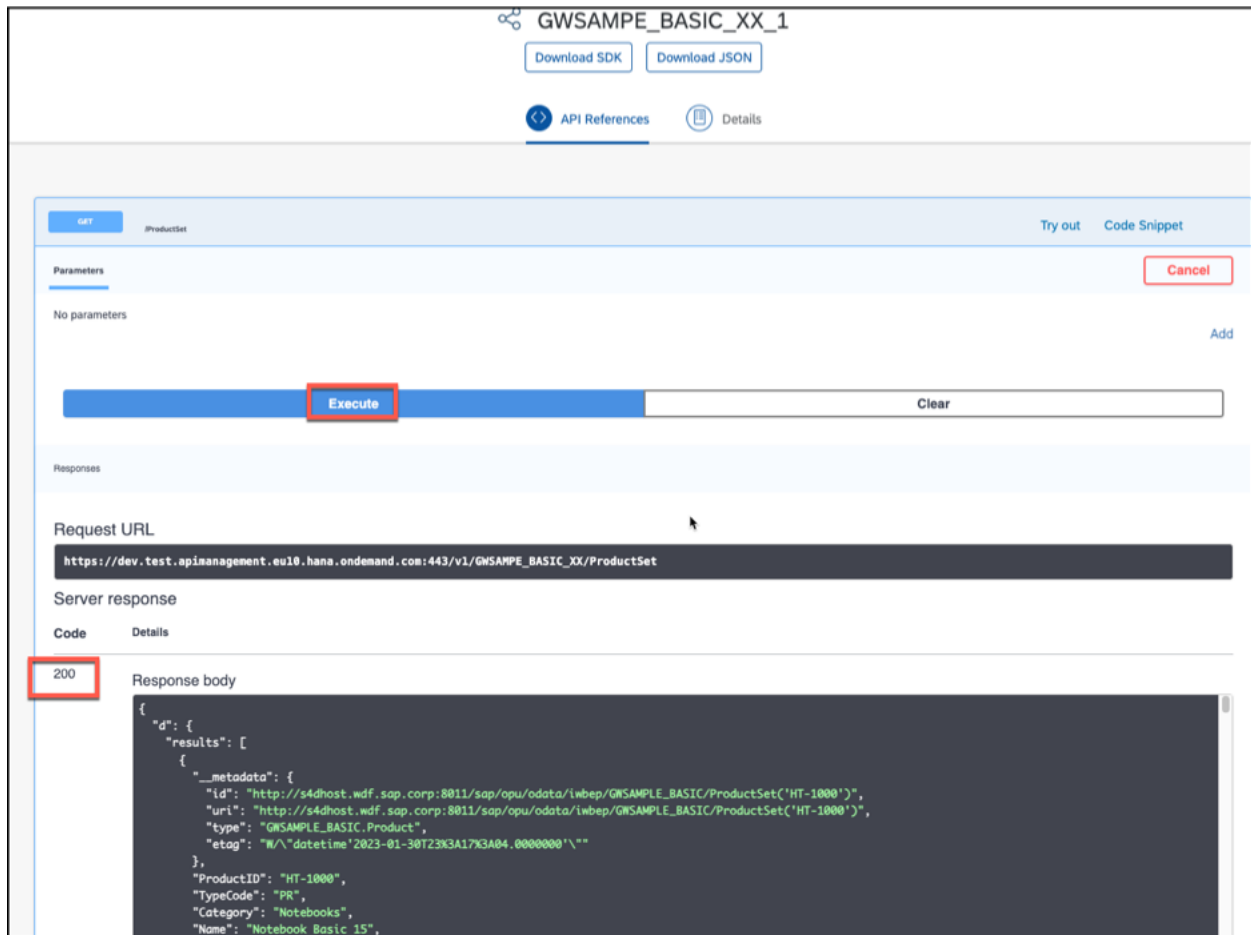
- In this example, no description was entered when creating the product.
- Click on the tile.



- Click on the tile
- There is only one resource */ProductSet* that is displayed.



- Click on the *Try it out* and then on the *Execute* button.

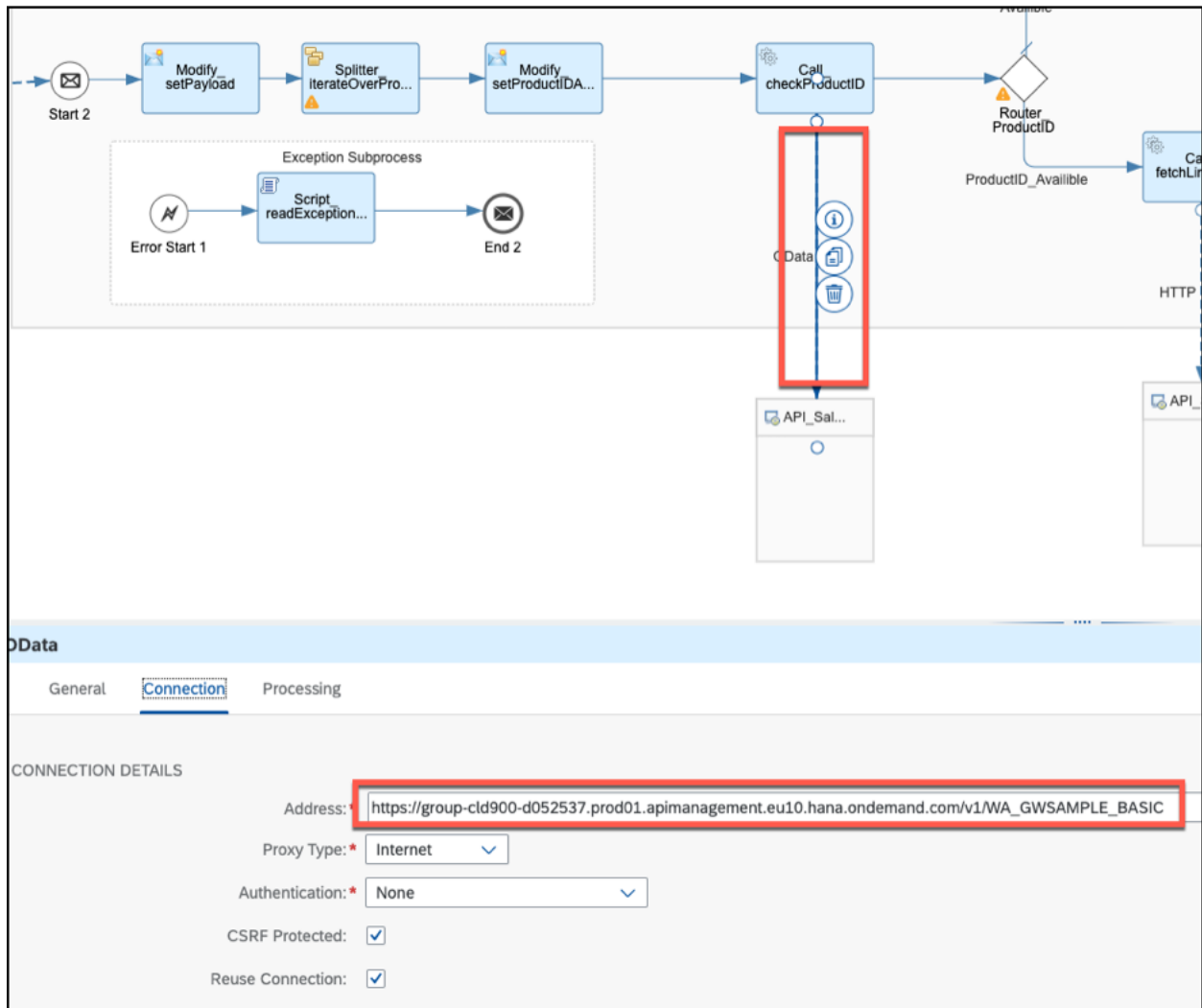


- If the call was successful, the *HTTPS traffic jams* 200 comes and the response is displayed.

Exercise19: Create a Request and Replay external Call

From here on, we only use the original replacement URL and not the API created in the API management itself.

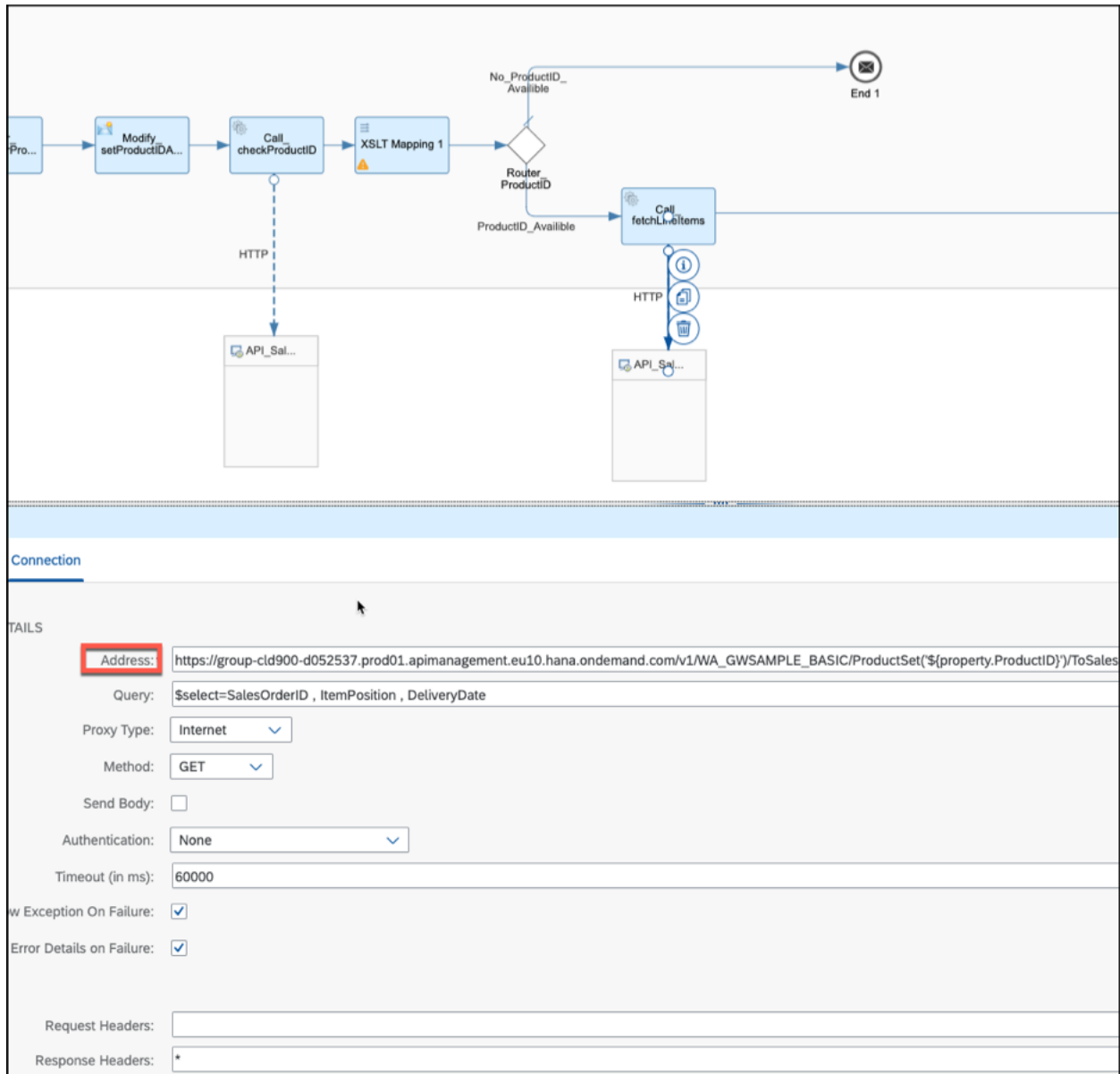
- The *Replacement url* is entered as *Address* at Tab *Connection*.
- The rest of the configuration remains the same.



- Enter the following parameters under *Address*
`https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/v1/WA_GWSAMPLE_BASIC`

Exercise21: Create a Request and Replay external Call

- The *Replacement url* is entered as *Address*.

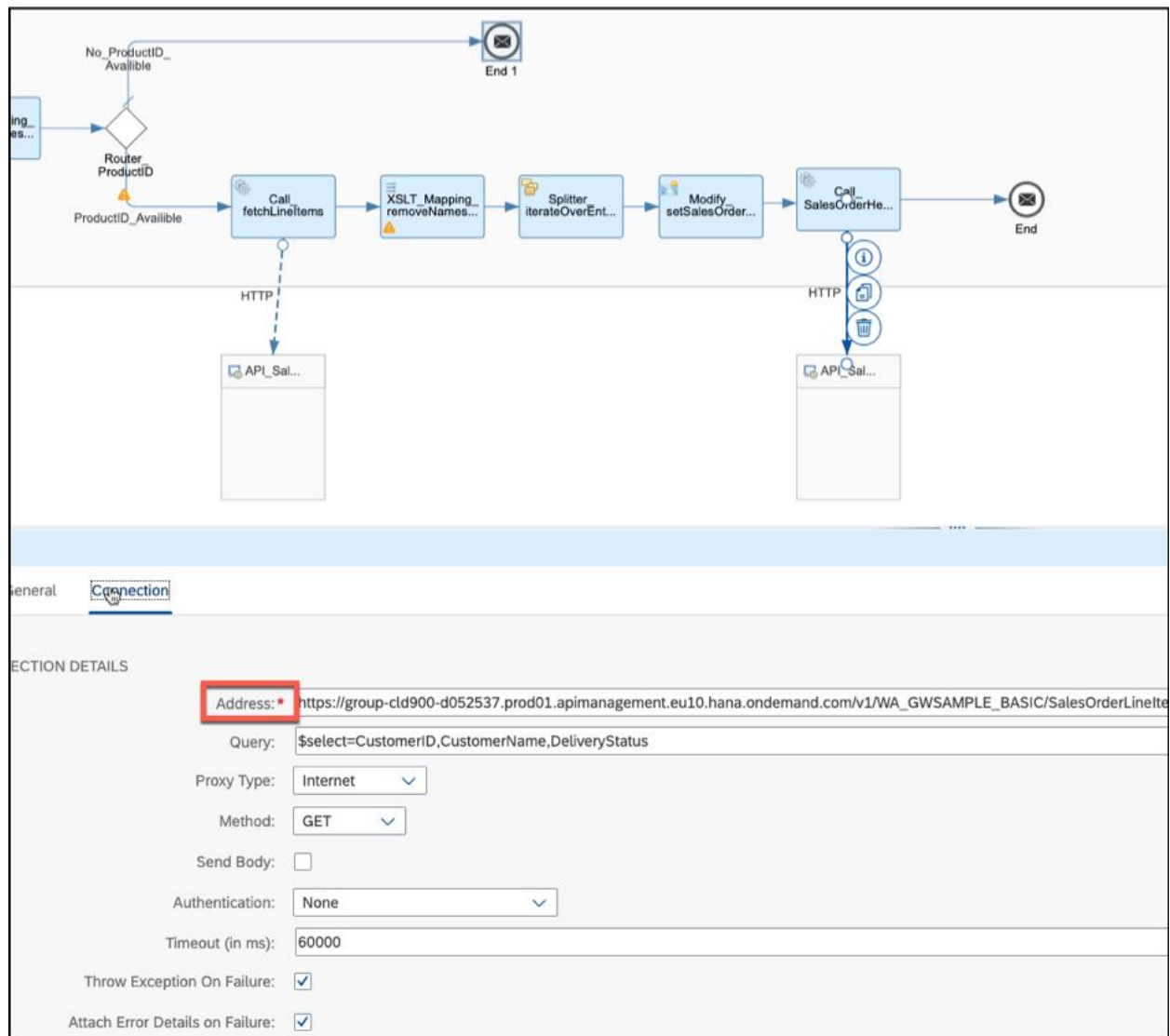


- Enter the following parameters under *Address*:
https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/v1/WA_GWSAMPLE_BASIC/ProductSet('\${property.ProductID}')/ToSalesOrderLineItems
- The other parameters are entered according to the exercise description.

Attention: After copying the URL from the documents, enter the quotation marks before \$ and after } by hand again in the address field otherwise you will get a 404 error.

Exercise25: Create a Request and Replay external Call

- The replacement url is entered as *Address*.



- Enter the following parameters under Address:

`https://group-cld900-d052537.prod01.apimanagement.eu10.hana.ondemand.com/v1/WA_GWSAMPLE_BASIC/SalesOrderLineItemSet(SalesOrderID='${property.SalesOrderID}',ItemPosition='${property.ItemPosition}')/ToHeader`

Attention: After copying the URL from the documents, enter the quotation marks before \$ and after } by hand again in the address field otherwise you will get a 404 error.

- Query: \$select=CustomerID,CustomerName,DeliveryStatus
- The other parameters according to the exercise description.