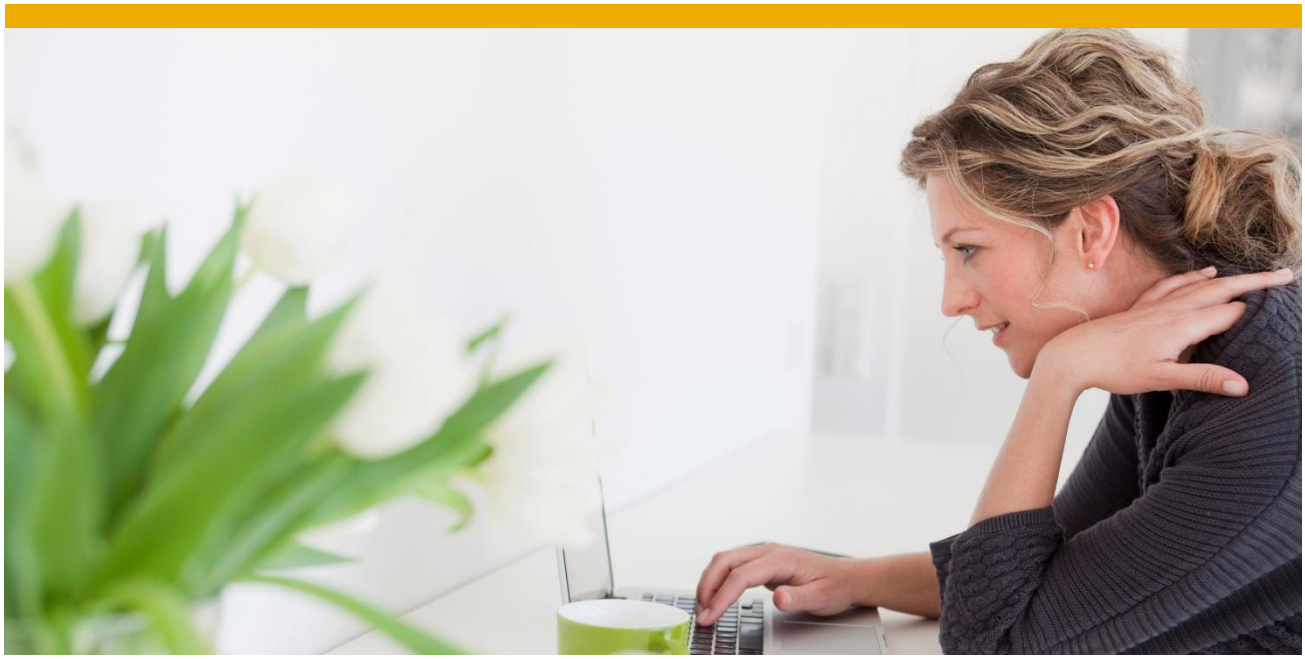

Exercise: SAP API Management
Unit 4.3 – API Proxy – API Resources

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Table of Contents

SCENARIO

In this scenario we will talk about API Resources.

- What is an API Resource?
- What is a resource documentation?
- How to add a resource to a proxy?

Prerequisites
You should have a running API Portal landscape for your user.

API RESOURCE

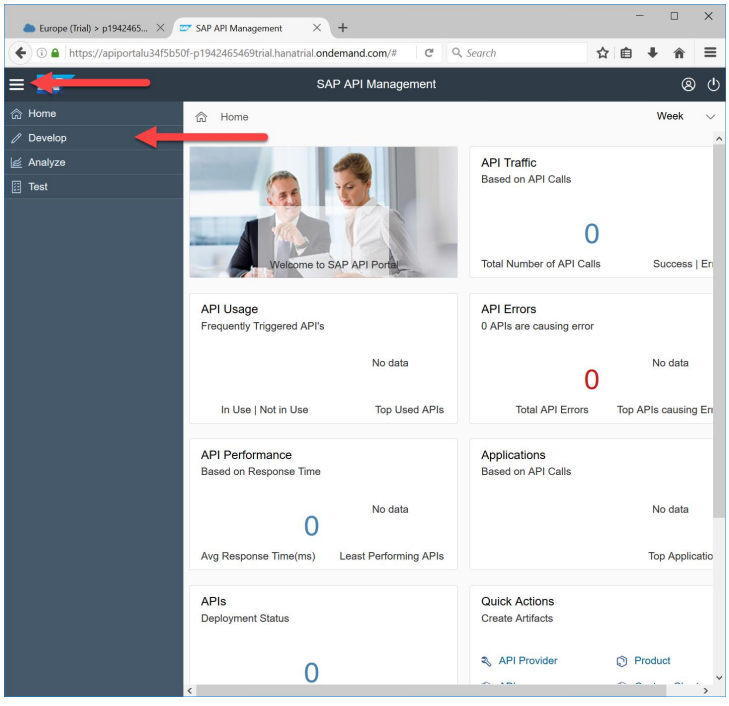
An Introduction

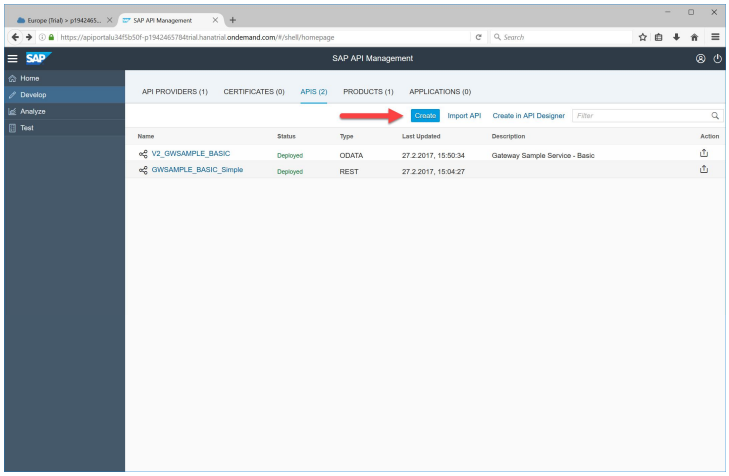
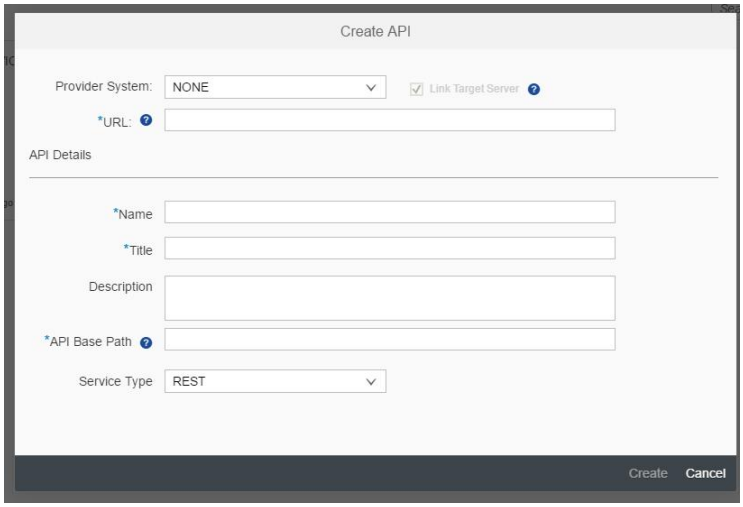
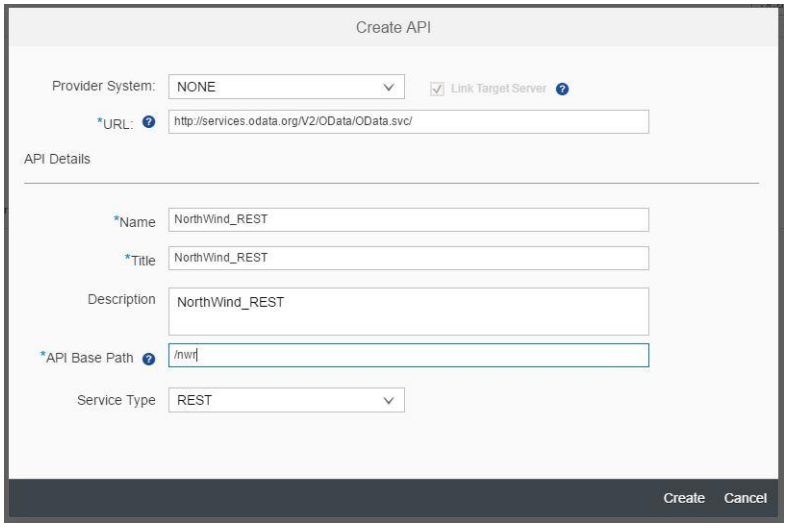
API Resources are the individual business entities that an API Proxy contains. Each API Resource is a URI path fragment that identifies the business entity. For example, if your backend service provides entities for purchase order and sales order, you can define two API resources: /PurchaseOrder and /SalesOrder.

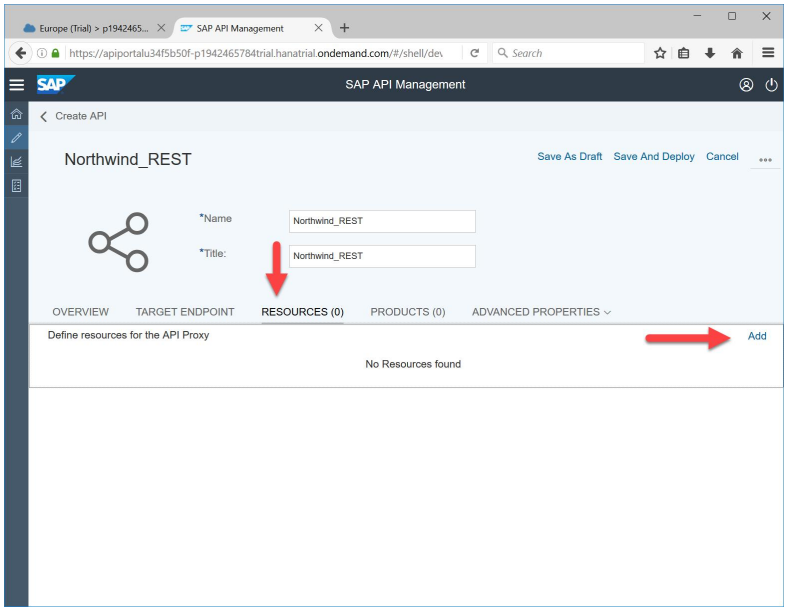
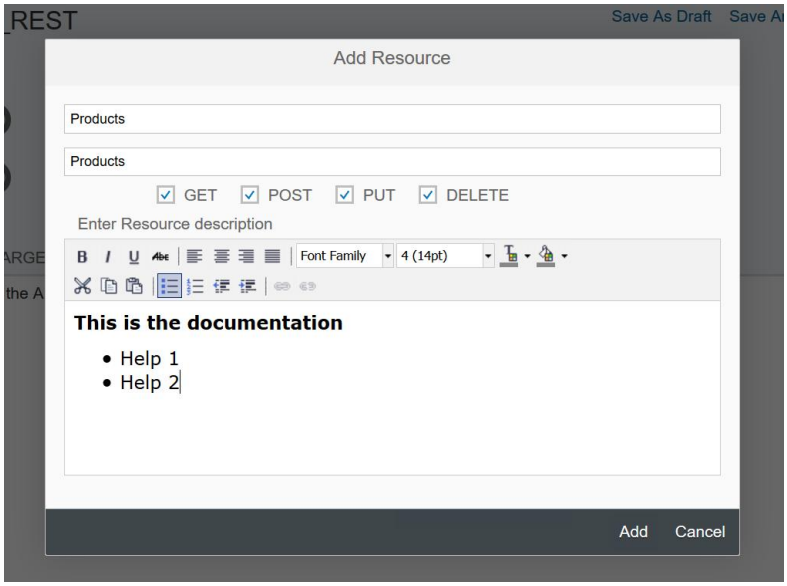
- You can specify the HTTP Operations such as GET, PUT, POST and DELETE on an API Resource. These operations determine whether an API Resource can service an HTTP Call with the verb as GET, PUT, POST or DELETE.
- If the API Proxy is created as an ODATA service, then its resources will be fetched automatically and you will not be able to edit its resources.
- If the API Proxy is created as REST or SOAP, then resources (if needed) has to be added explicitly while creating the proxy. You can always edit the resources in this case.

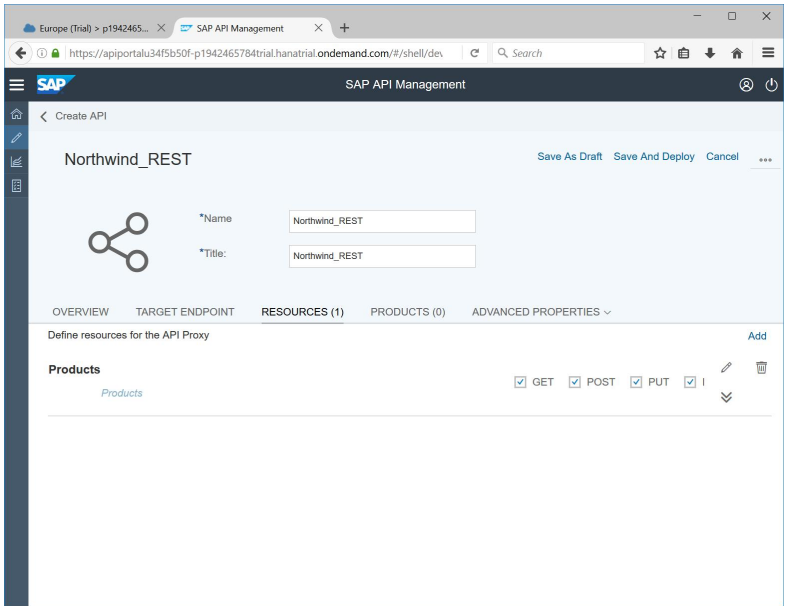
Documentation on API Resource
Documentation can be added on each API Resource. These documentation will help the user to understand each resource and use it effectively.

Adding a Resource to REST based API Proxy.

Explanation	Screenshot
1. Logon to your API Portal on the HCP Trial Landscape **2.** Click on the ***Menu*** button on the left pane. **3.** Select ***Develop*** from the Menu Items.	

Explanation	Screenshot
4. Click on the ***Create*** button	
5. A ***Create API*** Wizard will come up.	
6. Directly add the Service URL; without selecting any Provider System (***NONE*** will be selected in Provider System Drop Down list). **7.** Fill all other details URL: http://services.odata.org/V2/OData/OData.svc/ Name: Northwind_REST Title: NorthWind_REST API Base Path: /nrw and click ***Create***.	

Explanation	Screenshot
8. You will get the ***Create API*** page as shown. **9.** To add resources to this API, click the ***Add*** button on the ***Resources*** section (on right hand side).	
10. You will get the ***Add Resources*** wizard to add a resource. **11.** Enter the Resource name: Products, path: Products and select the supported HTTP Operations. **12.** You can add the API documentation along with the resource, as shown in the image. **13.** Click ***Add***.	

Explanation	Screenshot
14. Repeat steps 10-13 for any additional resource and finally click ***Save and Deploy***. **15.** The API has been created along with the resources and its documentation.	

So, using above steps, you can create a REST based API Proxy along with resources and their documentation.