

## 17 (Portal) Publish an API

### 17.1 Description

This tutorial takes an API provider through the process of publishing an API already defined on the gateway to the API developer portal with application developers can discover and interact with the API.

### 17.2 Prerequisites

#### 17.2.1 Environment

The Layer 7 API Management Combined Evaluation image provides gateway and portal instances in a single OVA image. This image allows you to get started quickly. Alternatively, you are required to provide your own instances configured and paired. This tutorial was designed using a version 7.0 of the Layer 7 SecureSpan Gateway and a version 2.1.2 of the Layer 7 API Developer portal.

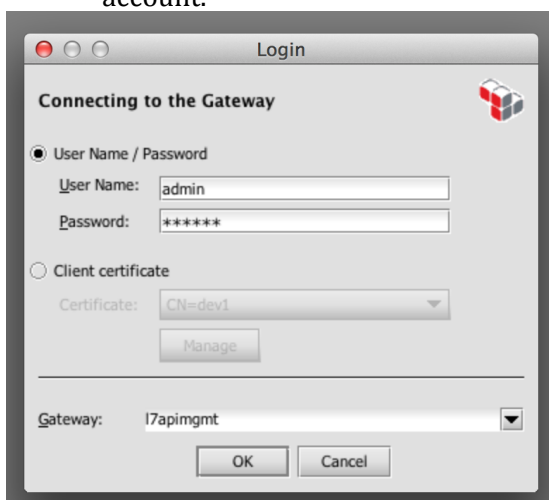
You will also need the Layer 7 Policy Manager (*this tutorial uses the Policy Manager software installation; the software installation version must match the gateway version; alternatively, users can use the Policy Manager browser-based version which always matches the gateway version that is connected to*).

#### 17.2.2 Tutorials

1. 1 General Information
2. 6 Publish REST Service

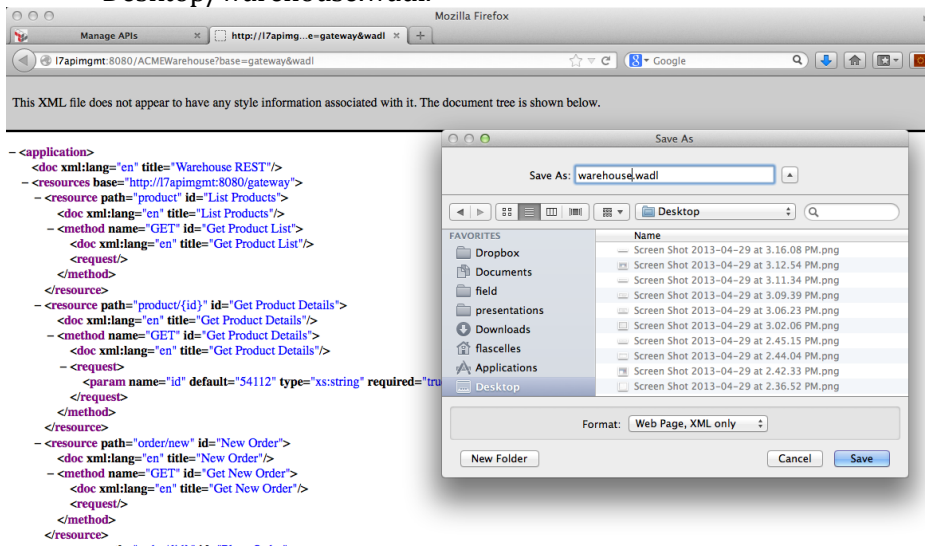
### 17.3 Tutorial Steps

1. Connect the Layer 7 Policy Manager to the Layer 7 Gateway using the administrator account.

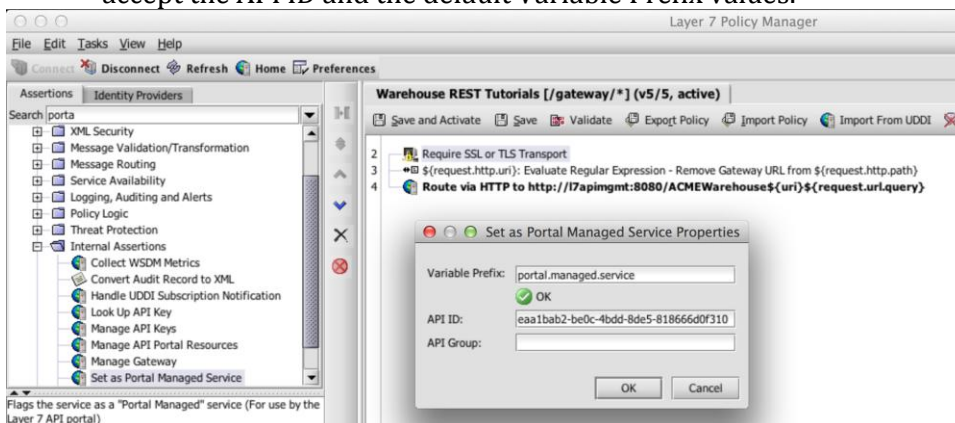


2. Open the policy for the Warehouse REST service listening at /gateway/\*. Remove existing access control assertions added from previous tutorials (but keep the URL regex and Routing assertions), save and activate the policy.

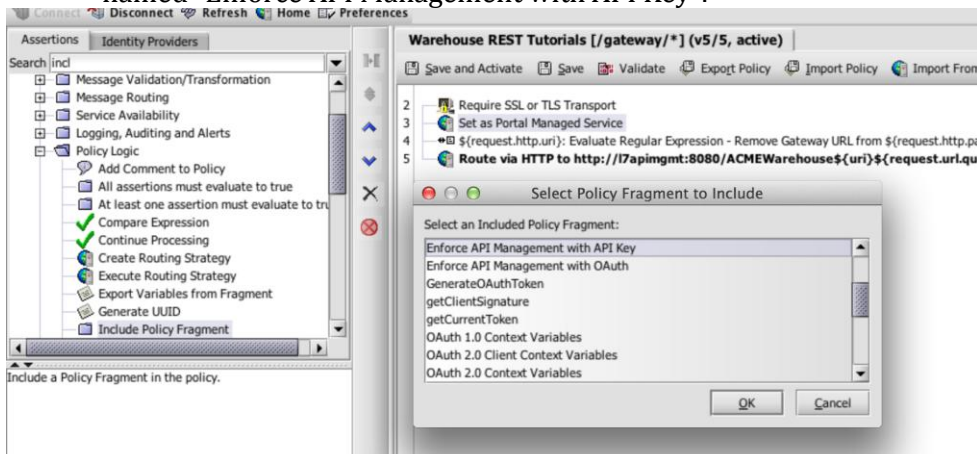
Navigate your browser to the WADL link for the Warehouse REST Tutorials:  
[https://\[your\\_gateway\\_host\]:8443/ACMEWarehouse?base=gateway&wadl](https://[your_gateway_host]:8443/ACMEWarehouse?base=gateway&wadl). Save the WADL from your browser to a file. Save Page As, XML file Desktop/warehouse.wadl.



3. Back in Policy Manager, and drag the assertion “Set as Portal Managed”. Click OK to accept the API ID and the default Variable Prefix values.

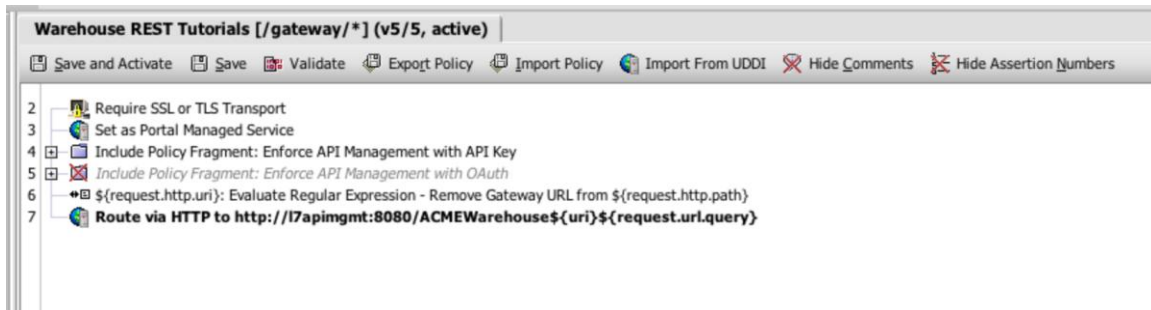


4. Drag the “Include Policy Fragment” assertion after that and select the fragment named “Enforce API Management with API Key”.

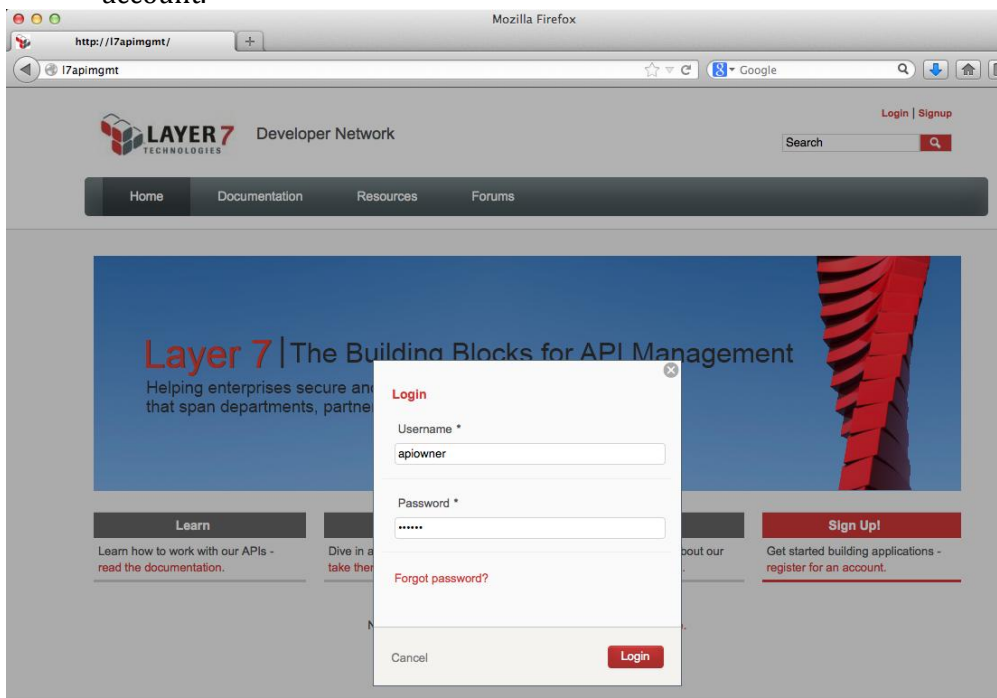


5. Do this again for Enforce API Management with OAuth.

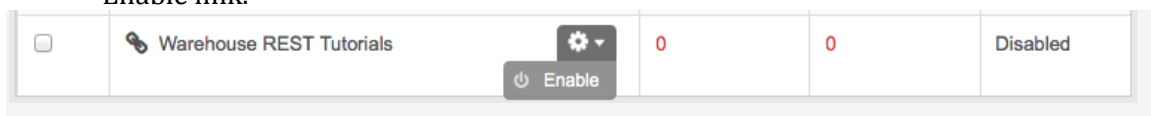
6. Disable the OAuth fragment statement. Only one of the two API Management enforcement fragment should be enabled at a time. Click Save and Activate in the toolbar.



7. Log in to the API Developer Portal as an administrator or an API Owner type account.



8. From the Portal Dashboard, click the sidebar APIS link. Look for the disabled API named "Warehouse REST Tutorials". Hover over its action menu and click the Enable link.



9. Select an EULA, upload the WADL saved in step 2, select the Sandbox Application plan. Click Save.
10. Click on Resource on top bar, API Explorer on side bar. Open list of APIs and verify that the Warehouse REST Tutorial is in the list.

## 17.4 Additional Context

None