

19 Publish Loopback Service

19.1 Description

This tutorial shows you how to publish a simple loopback service to a gateway. In other words, a service that will loopback (or echo back) any request sent to it. This sort of service is a useful starting point for doing many things on a gateway, including testing gateway functionality, stubbing out backend services while developing corresponding gateway services, and using the gateway to provide services directly.

19.2 Prerequisites

19.2.1 Environment

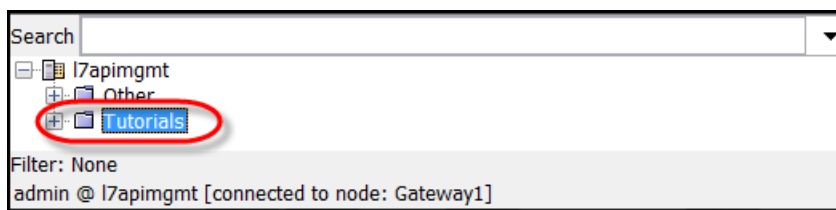
1. Layer 7 SecureSpan Gateway (*this tutorial was designed using a version 7.0 gateway; it may or may not work with earlier versions; it should work with later versions*)
2. Layer 7 Policy Manager (*this tutorial uses the Policy Manager software installation; the software installation version must match the gateway version; alternatively, users can use the Policy Manager browser-based version which always matches the gateway version that is connected to*)
3. soapUI (*this tutorial was designed using the free soapUI version 4.5.1; it may or may not work with other versions of soapUI; other clients can be used for this and other tutorials, but specific steps will not be provided for those other clients*)

19.2.2 Tutorials

1. Layer 7 Tutorials - Getting Started
2. Tutorial 1 - Deploy Tutorial Services
3. Tutorial 2 - Test Tutorial SOAP Service

19.3 Tutorial Steps

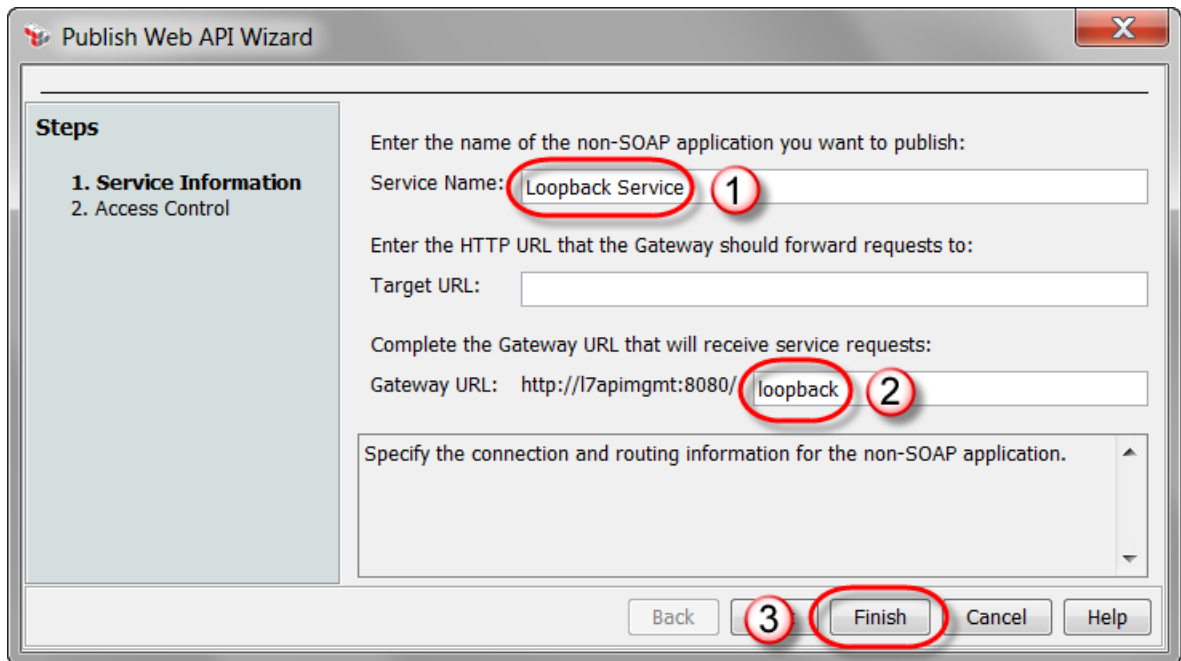
1. Connect to your gateway using Policy Manager (see tutorial **Layer 7 Tutorials - Getting Started**).
2. In the service and policy tree, right click on the new **Tutorials** folder.



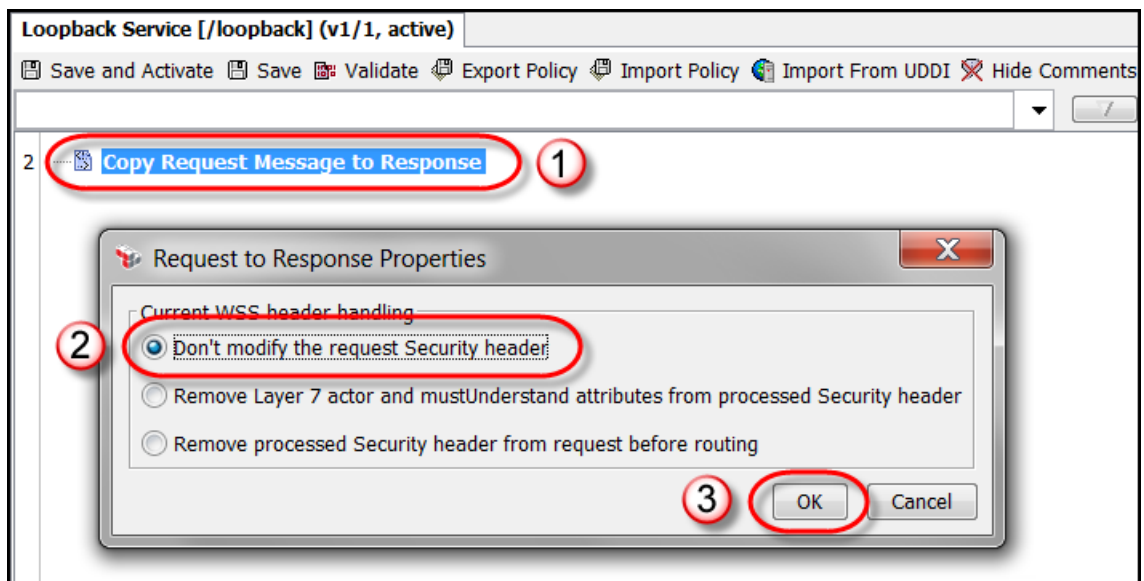
3. In the context menu, select the **Publish Web API** context menu item.

Note: You can also launch the Publish Web API wizard from the Policy Manage Home screen and the Tasks menu. However, when starting from those locations, published services are located at the root level of the service and policy tree. When starting from the context menu of a folder in the tree, published services are located in that folder.

4. In the Publish Web API Wizard dialog, in the Service Name field, enter **Loopback Service**. In the Gateway URL field, enter **loopback**. Click the **Finish** button.



5. From the policy assertion tree, drag and drop the **Policy Assertions/Message Routing/Copy Request Message to Response** assertion to the policy editor, and in the Request to Response Properties dialog, select **Don't modify the request Security header**, and click the **OK** button.

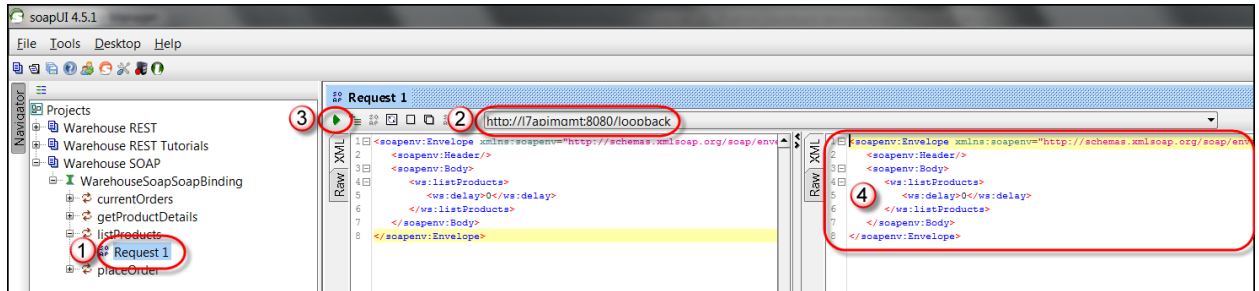


6. On the policy editor toolbar, click the **Save and Activate** button.
7. Test the new Loopback Service using the soapUI project created in **Tutorial 2 - Test Tutorial SOAP Service**. You will need to add a new endpoint to the soapUI project per the additional

context in that tutorial. The endpoint you add should be (with <gateway> replaced by the host name or IP address of your gateway):

http://<gateway>:8080/loopback

For example:



After submitting the request, you should also see the request message in soapUI's response message field.

8. Per **Layer 7 Tutorials - Getting Started/Basic Policy Concepts/Policy Authoring/Policy Revisions**, and as demonstrated at the end of **Tutorial 1 - Deploy Tutorial Services**, comment the active policy revision of the **Loopback Service** with the comment, **Tutorial 19 Complete**.
9. You are done with this tutorial.

19.4 Additional Context

None