

2 Test Tutorial SOAP Service

2.1 Description

This tutorial guides you through testing the SOAP service deployed in **Tutorial 1 - Deploy Tutorial Services**.

2.2 Prerequisites

2.2.1 Environment

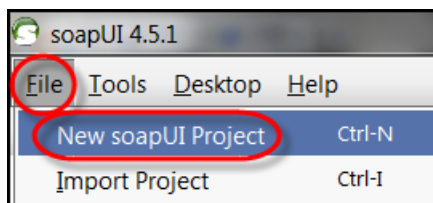
1. Layer 7 SecureSpan Gateway (*this tutorial was designed using a version 7.0 gateway; it may or may not work with earlier versions; it should work with later versions*)
2. soapUI (*this tutorial was designed using the free soapUI version 4.5.1; it may or may not work with other versions of soapUI; other clients can be used for this and other tutorials, but specific steps will not be provided for those other clients*)

2.2.2 Tutorials

1. Layer 7 Tutorials - Getting Started
2. Tutorial 1 - Deploy Tutorial Services

2.3 Tutorial Steps

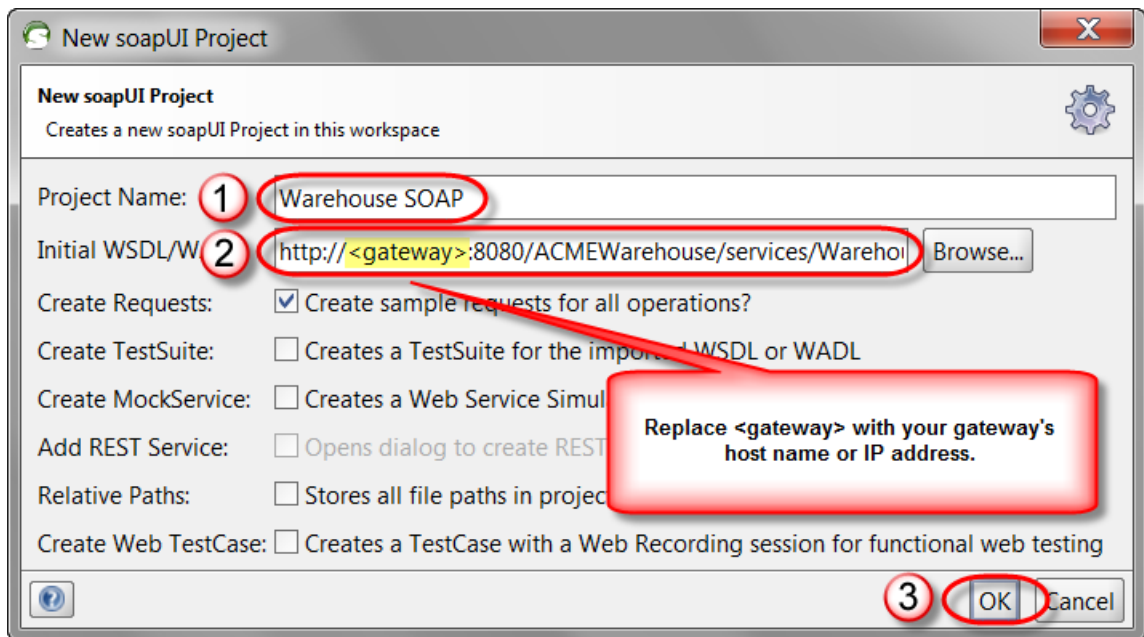
1. Start soapUI.
2. Select the **File/New soapUI Project** menu item.



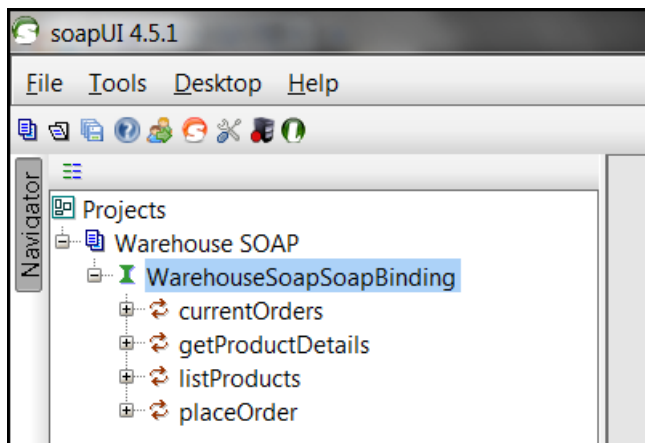
3. In the New soapUI Project dialog, in the Project Name field type **Warehouse SOAP**, in the Initial WSDL/WADL field type:

http://<gateway>:8080/ACMEWarehouse/services/WarehouseSoap?wsdl

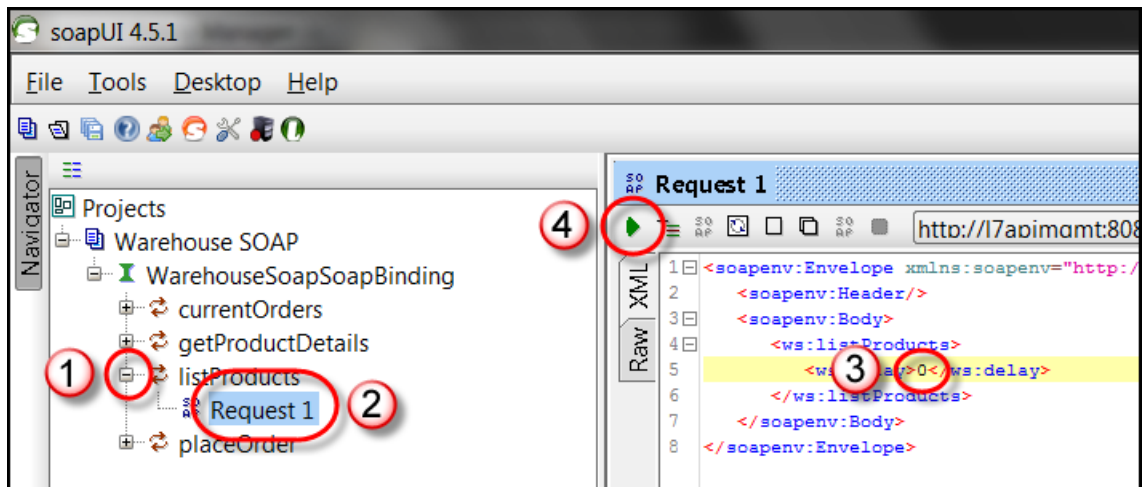
Replace <gateway> with the host name or IP address of your gateway, and click the **OK** button.



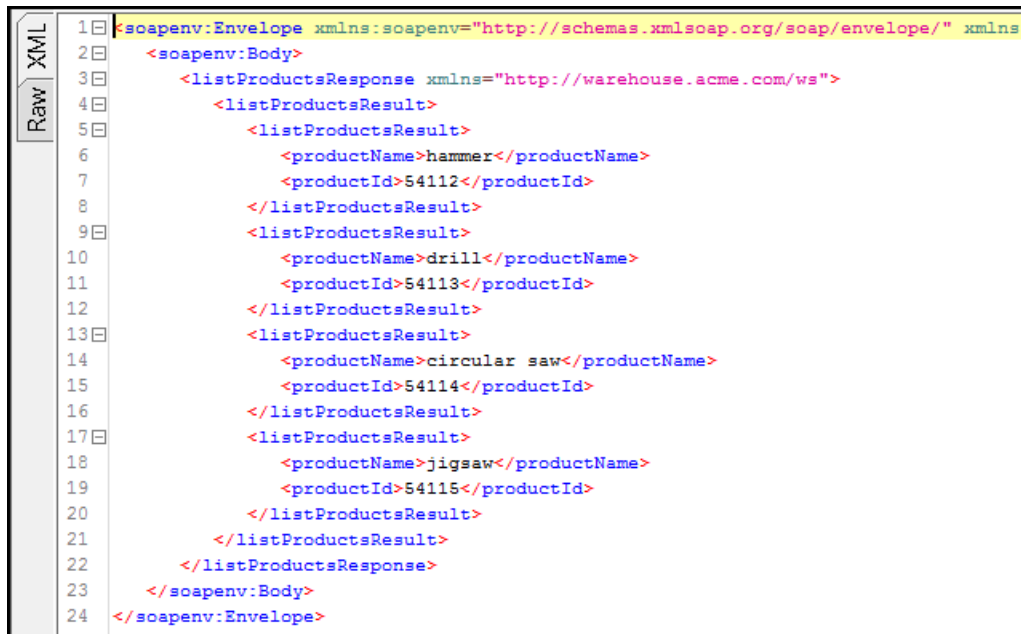
4. In the soapUI Navigator window, you should now have a Warehouse SOAP project like this:



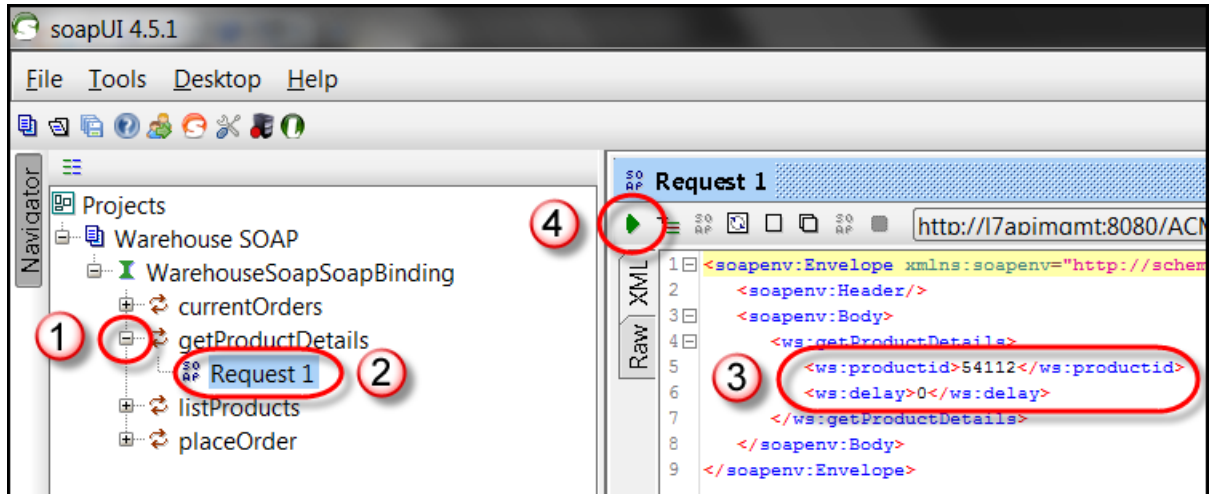
5. In the soapUI Navigator window, expand the **listProducts** operation, and double-click on **Request 1**. Then, edit the request message to change the **<ws:delay/>** element value to an integer (e.g. **0**), and click on the **green arrow** to submit the request to the gateway.



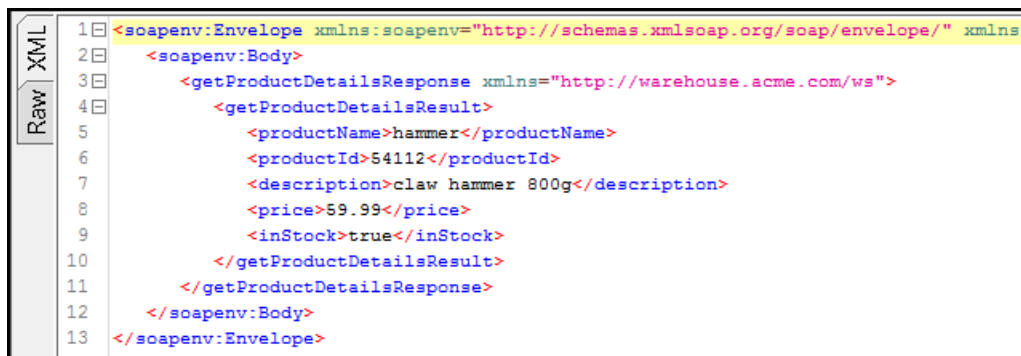
6. You should see the following response:



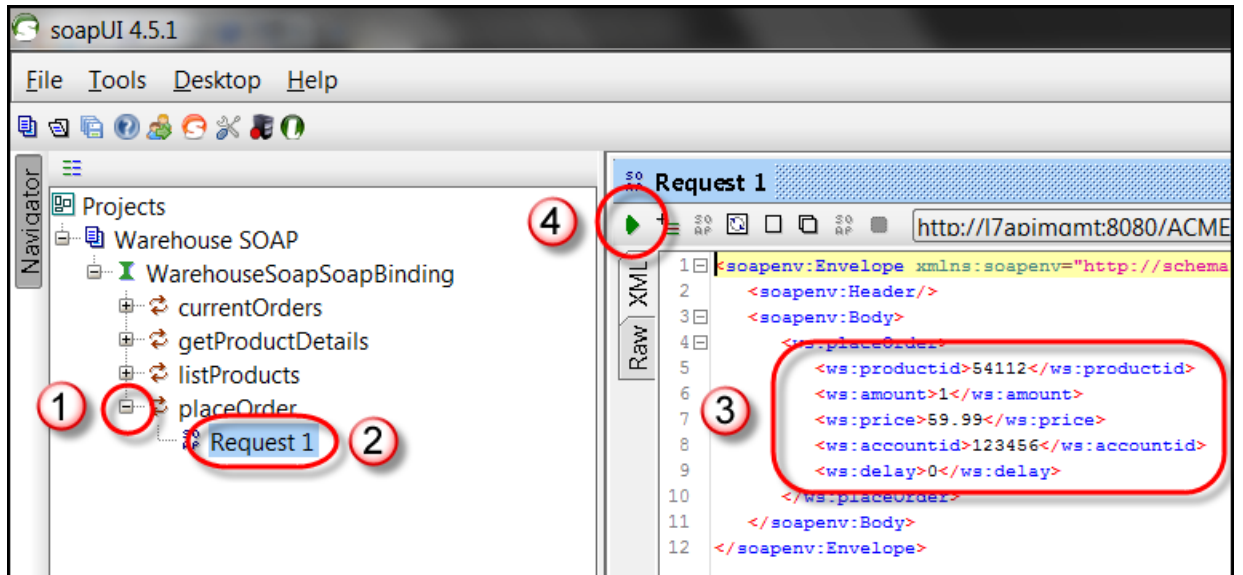
7. In the soapUI Navigator window, expand the **getProductDetails** operation, and double-click on **Request 1**. Then, edit the request message to change the **<ws:productid/>** element value to **54112** and the **<ws:delay/>** element value to an integer (e.g. **0**), and click on the **green arrow** to submit the request to the gateway.



8. You should see the following response:



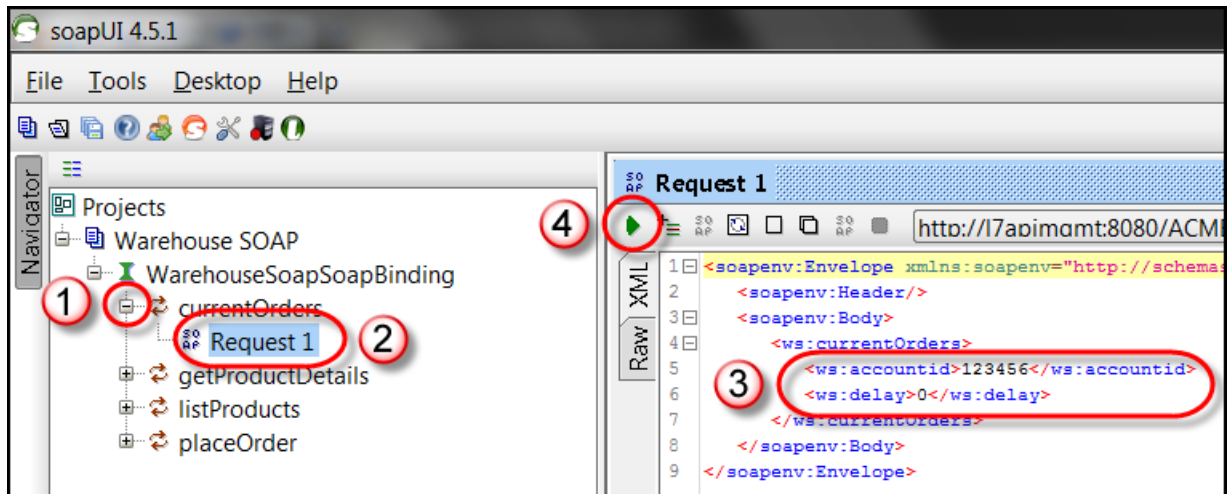
9. In the soapUI Navigator window, expand the **placeOrder** operation, and double-click on **Request 1**. Then, edit the request message to change the **<ws:productid/>** element value to **54112**, the **<ws:amount/>** element value to **1**, the **<ws:price/>** element value to **59.99**, the **<ws:accountid/>** element value to **123456**, and the **<ws:delay/>** element value to an integer (e.g. **0**), and click on the **green arrow** to submit the request to the gateway.



10. You should see the following response:

```
1 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:ws="http://warehouse.acme.com/ws">
2   <soapenv:Body>
3     <placeOrderResponse>
4       <placeOrderResult>1365543384755</placeOrderResult>
5     </placeOrderResponse>
6   </soapenv:Body>
7 </soapenv:Envelope>
```

11. In the soapUI Navigator window, expand the **currentOrders** operation, and double-click on **Request 1**. Then, edit the request message to change the **<ws:accountid/>** element value to **123456**, and the **<ws:delay/>** element value to an integer (e.g. **0**), and click on the **green arrow** to submit the request to the gateway.



12. You should see the following response:

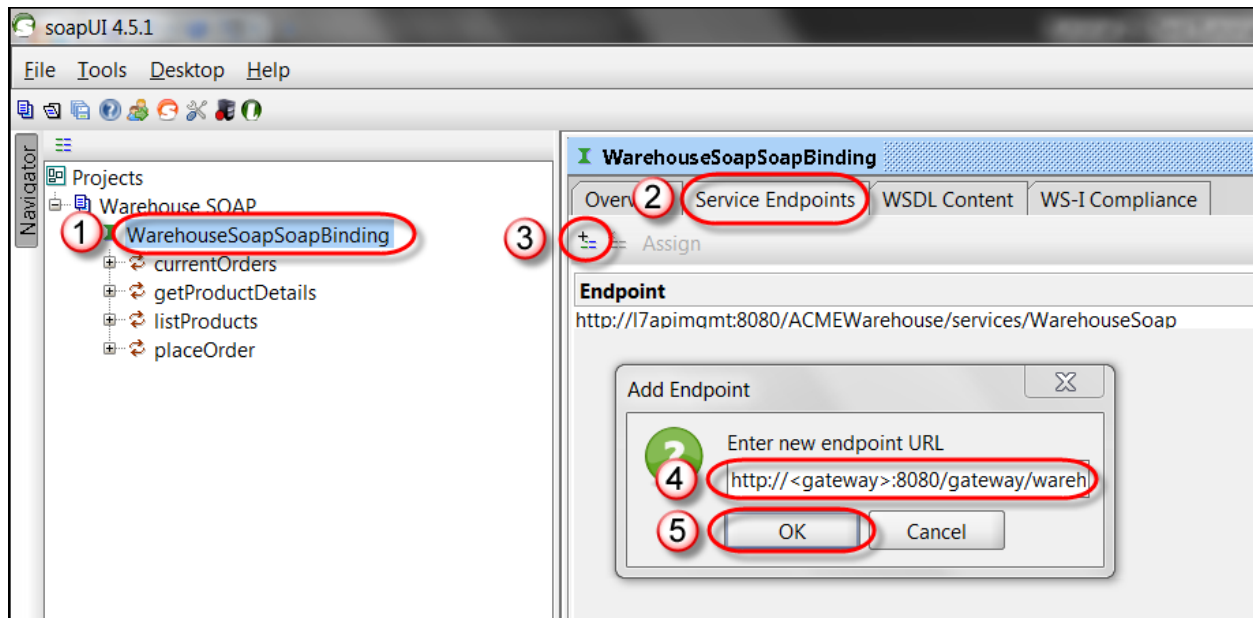


13. You are done with this tutorial.

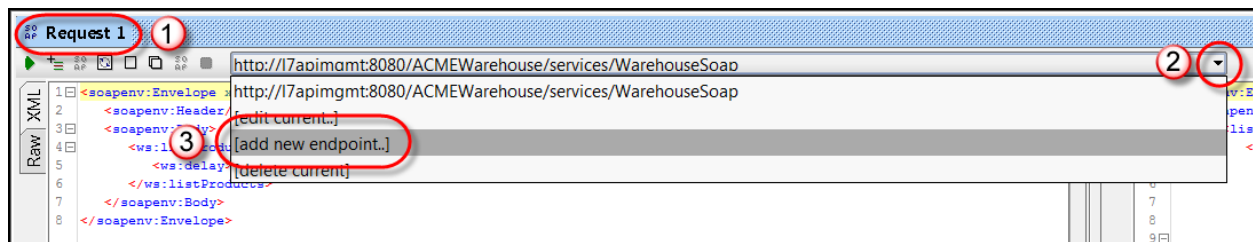
2.4 Additional Context

Other tutorials will reuse this soapUI project. For those other tutorials, you will need to define new endpoints for this soapUI project.

You can do that by either double-clicking on the **WarehouseSoapSoapBinding** service within the soapUI project, selecting the **Service Endpoints** tab, and clicking the button on the toolbar to add a new service endpoint. Then, in the Add Endpoint dialog, entering the endpoint URL in the provided field, and clicking on the **OK** button.



Or, you can add a new service endpoint from within any request dialog by clicking the dropdown arrow next to the current endpoint, and selecting the **[add new endpoint.]** option.



Then, in the Add new endpoint dialog, enter the new endpoint in the provided field and click that **OK** button.

