

OpenNTF Project: SOAP Catcher

DESCRIPTION

This project allows you on Windows to intercept the SOAP request/response from a Domino Web Service.

This can be helpful in diagnosing your Web Service with live data, rather than through a SOAP debugging application.

USAGE

1. Copy the SoapCatcher.nsf to your Domino server and sign the application with a signature that is allowed to run unrestricted agents on the server.
2. Open the application in your Notes client. This will bring up the configuration screen.
3. Click "Set Endpoint" and type in the URL that points to your Web Service Provider that your Web Service consumer would normally call.
4. In your Web Service consumer library code change the endpoint to point to the database agent WSC.

For example: <http://DominoServer/SoapCatcher.nsf/WSC?OpenAgent>

The configuration screen will attempt to guess the URL that you need to enter.

5. Run your agent that calls the Web Service. This should generate a file in the IBM_TECHNICAL_SUPPORT folder in your data folder of the server. The file will be called.

`soap_server_yyyy_mm_dd@hhmmss.log`

server = Server name.

yyyy_mm_dd = Date.

Hhmmss = Time.

6. In the file will be the SOAP request and response.

KNOWN SOAP ERRORS

SOAP response	Answer
Agent failed: msxml3.dll: The system cannot locate the resource specified.	The EndPoint set in your configuration does not have a valid URL to the server you are trying to connect to.
(HTML Page) Lotus Notes Exception - File does not exist	The EndPoint URL does not correctly point to a provider on the Domino server.

WALK THROUGH OF HELLOWORLD

There is a sample Hello world Web Service which will demonstrate the application.

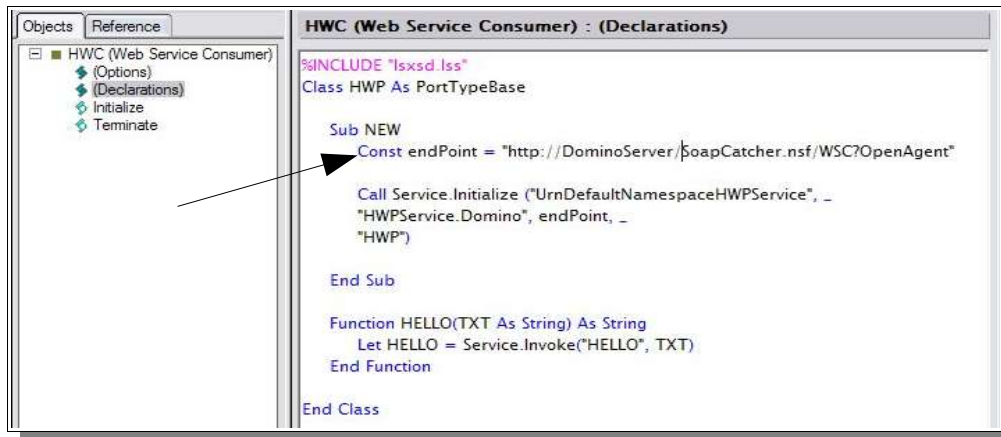
The sample code areas are:

Agent: "Test Hello World"
Consumer Library: HWC



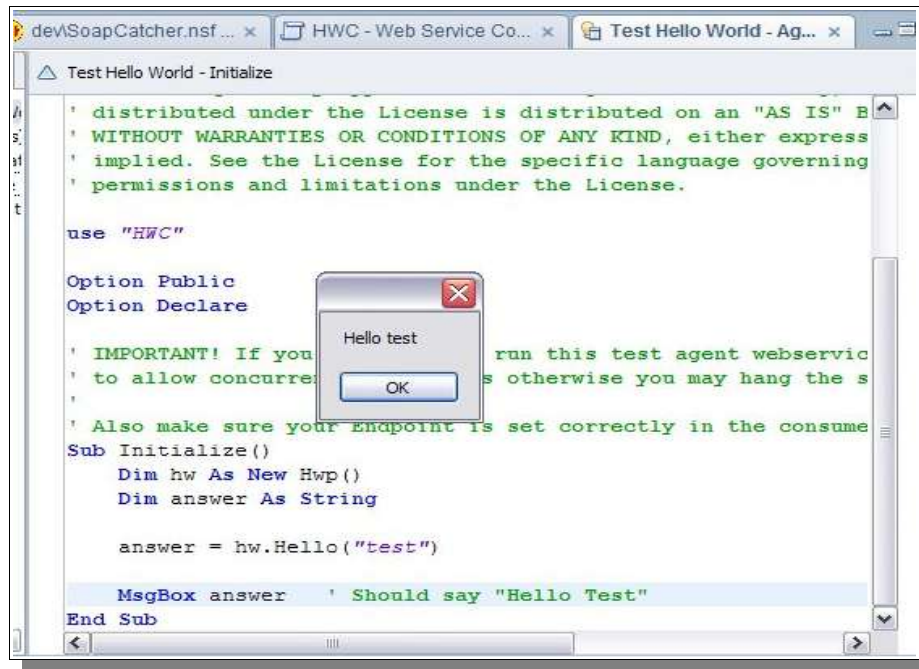
Important! Before you begin with the sample, make sure your Domino web server is set to allow concurrent web services or web agents (in your server document). If this is not set then sample will cause the server to hang. This is because the sample is in the same database as the application that is called.

1. This sample assumes that you have correctly set up the steps 1 to 3 in the usage instructions.
2. Edit the "HWC" consumer and in the declarations set the endpoint to HW agent as detailed in the configuration screen.



(continued)

3. Save and close the consumer library.
4. Run the agent "Test Hello World" it should display a message box saying it ran correctly. Anything other than "Hello Test" as a pop up, then see common errors for how to resolve the issue.



5. On your Domino server open the IBM_TECHNICAL_SUPPORT folder that is in the data folder of the server. You will find the SOAP log file for that agent.

