RMI

This this topic covers configuring SOAtest to use RMI.

SOAtest allows users to perform Remote Method Invocation as long as the following conditions apply:

- The machine that is to invoke the RMI has all required interfaces as well as the necessary class files.
- All required Jar files or class files are included in SOAtest's classpath:
    a. Choose **Parasoft> Preferences**.
    b. Open the **Parasoft> System Properties** page.
    c. Click the **Add JARS** button and choose and select the necessary JAR files to be added, or click the **Add Class Folder** button and choose and select the folder where the class files are located.
- The remote method returns a string (unless it is a one-way message).
    - If you are using RMI transport within a tool, the returned string is expected to be a SOAP message. There are no restrictions on the returned string for Messaging Client.
    - To specify a one-way message, make sure the check box for **Get Response** is unchecked within the RMI properties.
- The remote interface consists of a method that takes one, and only one, string parameter (which will be the SOAP request).

Configuring SOAtest to Use RMI

To configure SOAtest to use RMI, complete the following:

1. Complete the WSDL test creation wizard as normal (see Creating Tests From a WSDL for details).
2. Double-click the node for the test that will be using RMI.
3. In the right GUI panel, select the **Transport** tab and select **RMI** from the **Transport** drop-down menu.
4. Configure the following options:
    - **Host:** Specifies the machine name or IP that hosts the RMI service.
    - **Port:** Specifies the port number for the RMI service.
    - **Binding:** Specifies the RMI service binding. Binding in this case is the RMI registry where an application has registered its remote object to. For example, a lookup registry may resemble the following:
      `//goldfish:1717/Soatest`
      Where
      host = goldfish
      port = 1717
      binding/registry = Soatest
    - **Remote Interface:** Specifies the client-side remote interface (the remote interface should be included in the classpath).
    - **Method Name:** Specifies the method within the remote interface that invokes the RMI. Enter the name only (e.g. invokeSOAP). It is assumed that the method takes a String SOAP request and returns a String SOAP response.