

How to check that a WSDL is WS-I Basic Profile 1.1 compliant

Step 1: Set properly a Java environment (1.4 at least).

Step 2: Download and install the WS-I Testing tool.

Interoperability Testing Tools 1.1	Test Tools	Final	13 June 2005
C#: zip (1.14M)			<input type="button" value="Submit comments"/>
Java: zip (3.66M)			
The WS-I Testing Tools are designed to help developers determine whether their Web services are conformant with WS-I profile guidelines. This updated version is designed to test the Basic Profile 1.1 and SSBP 1.0. While Profile compliance is self-validated, WS-I recommends the use of these testing tools before making claims of compliance.			

WS-I home page is: <http://www.ws-i.org/>

Link to the testing tool: http://www.ws-i.org/Testing/Tools/2005/06/WSI_Test_Java_Final_1.1.zip

Set a WSI_HOME environment variable to the path where you have unzipped the archive.

Add to the PATH environment variable the path “WSI_HOME”/java/bin

Example of a wsiprofile.cmd under Windows:

```
@echo off

SET JAVA_HOME=c:\j2sdk1.4.2
SET PATH=%JAVA_HOME%\bin;%PATH%

SET WSI_HOME=c:\wsi-test-tools
SET PATH=%PATH%;%WSI_HOME%\java\bin

cmd /k cls
```

Step 3: Configure an analyzer config file:

the testing tool is provided with two main programs: “Monitor” and “Analyzer”.

The program to use is “Analyzer”, the syntax is:

```
C:\wsi-test-tools>analyzer
Analyzer Error: Usage: Analyzer -config <configFilename>.
```


Step 4: Run the Analyzer:

```
C:\wsi-test-tools\java\samples>analyzer -config MyAnalyzerConfig.xml
Conformance Analyzer Tool, Version: 1.0.0, Release Date: 2005-07-04
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rtain of its Members. All Rights Reserved.
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documentation.

verbose ..... false
Assertion Results:
  type ..... all
  messageEntry ..... true
  assertionDescription ..... false
  failureMessage ..... true
  failureDetail ..... true
Report File:
  replace ..... true
  location ..... report.xml
Style Sheet:
  href ..... c:/wsi-test-tools/common/xsl/report.xsl
  type ..... text/xsl
testAssertionsFile ..... c:/wsi-test-
tools/common/profiles/BasicProfile_1.1_TAD.xml
Message Log File:
  location ..... c:/wsi-test-tools/java/samples/log.xml
  correlationType ..... endpoint
WSDL Reference:
  WSDL Element:
    type ..... binding
    namespace ..... <the namespace of the binding>
    name ..... <the name of the binding element>
    wsdlURI ..... <the name of the WSDL file>
    description ..... This file contains a sample of the configuration
                        file for the Basic Profile Analyzer.

Please wait while the specified artifacts are analyzed...
Conformance report has been created.
```

After that, a “report.xml” file has been generated

Step 5: Analyze the report for failures:

open the result.xml with your favorite browser, and check all the document especially the column “Failed” of the Assertion Result Summary:

Artifact: description						
Assertion Result Summary:						
Assertion ID	Passed	Failed	Prerequisite Failed	Warning	Not Applicable	Missing Input
BP2010	1	0	0	0	0	
BP2011	0	0	1	0	0	
BP2012	1	0	0	0	0	
BP2013	0	0	0	0	1	
BP2014	0	0	0	0	13	
BP2017	1	0	0	0	0	
BP2018	1	0	0	0	0	
BP2019	1	0	0	0	0	
BP2020	0	0	0	0	1	
BP2021	0	0	0	0	1	
BP2022	0	0	0	0	1	
BP2032	1	0	0	0	0	
BP2034	1	0	0	0	0	
BP2098	0	0	0	0	0	X
BP2101	0	0	0	0	1	
BP2102	0	1	0	0	0	
BP2103	1	0	0	0	0	
BP2104	0	0	0	0	1	

Step 6: Fix what’s wrong (usually a hard work).