Executing the Test Kit

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1. Summary of Steps

Executing the Test Kit happens in 2 phases. The first phase is the Monitoring phase, during which a message log is created from a running WSRP service. The second phase is the Analysis phase, during which the log file is analyzed for conformance.

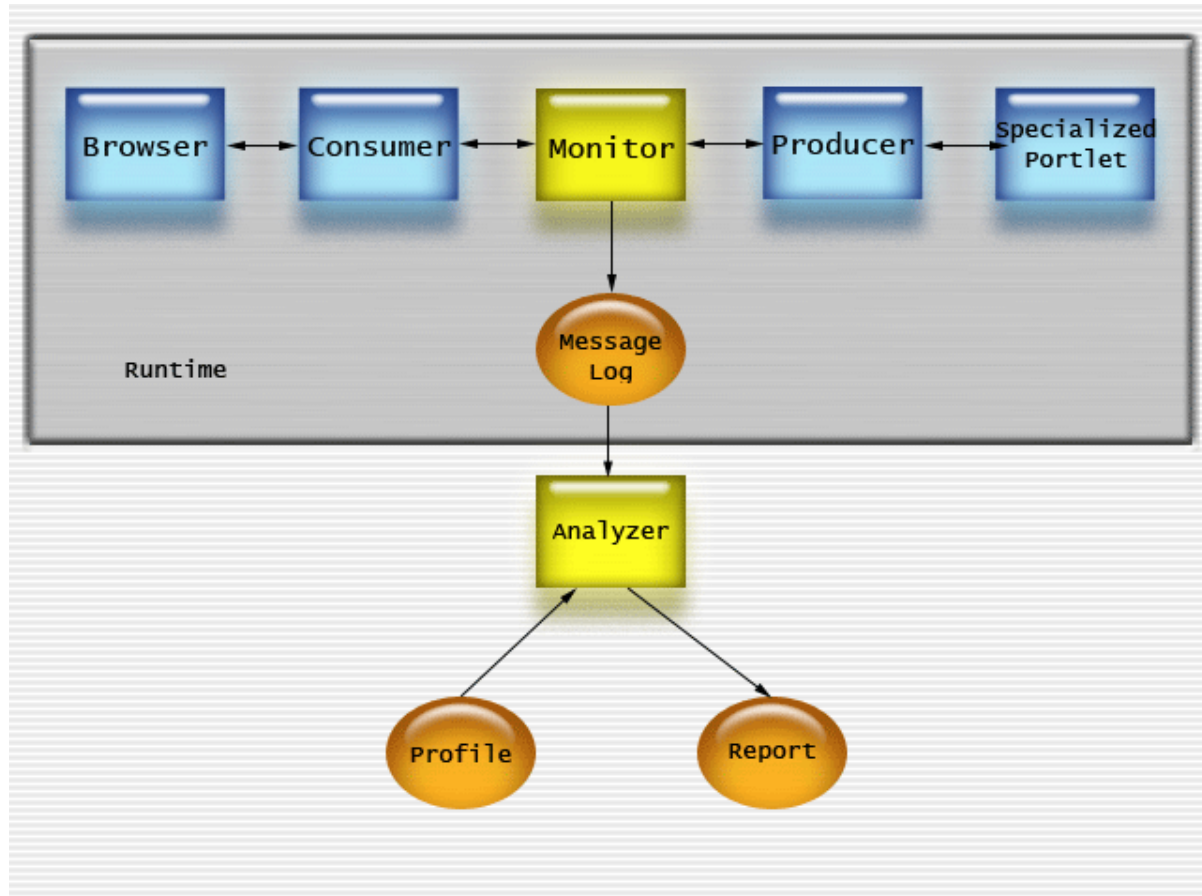Here is an architectural diagram of the components:

Diagram of Test Kit Architecture

In general, these are the steps for running the test kit:

1. Configure the Producer to listen on a particular port (e.g. 8080).
2. Configure the Consumer to write to a particular port (e.g. 8081).
3. Configure the Monitor to listen to the Consumer (e.g. on 8081) and send to the Producer (e.g. on 8080) by setting the port numbers in the config file.

4. Start your Producer (e.g. WSRP4J on Tomcat)
5. Start the Monitor (bin/Monitor.bat)
6. Start your Consumer (e.g. WSRP4J Swing Consumer)
7. Exercise the User Interface
8. Exit the Consumer
9. Stop the Monitor (type "exit")
10. Run the Analyzer (bin/Analyzer.bat)
11. View the Report (logs/AnalyzerLog.xml)

2. The Monitor Component

The Monitor is a [WS-I Testing Tools](#) component that intercepts web service traffic between parties and writes the messages to a log file.

The Functional Specification for the Monitor component can be found [here](#).

The Monitor gets parameters from a configuration file, the path to which is passed in at runtime. The config file is found in `wsrptk/config`. Here is a sample of configuration file:

```
. . .
<wsi-monConfig:logFile replace="true" location="../logs/MonitorLog.xml">
<wsi-common:addStyleSheet href="../xsl/log.xsl" type="text/xsl"/>
</wsi-monConfig:logFile>
. . .
<wsi-monConfig:manInTheMiddle>
<wsi-monConfig:redirect>
<wsi-monConfig:listenPort>8081</wsi-monConfig:listenPort>
<wsi-monConfig:schemeAndHostPort>http://localhost:8080</wsi-monConfig:schemeAndHostPort
<wsi-monConfig:maxConnections>1000</wsi-monConfig:maxConnections>
<wsi-monConfig:readTimeoutSeconds>15</wsi-monConfig:readTimeoutSeconds>
</wsi-monConfig:redirect>
</wsi-monConfig:manInTheMiddle>
. . .
```

3. The Analyzer Component

The Analyzer is a [WS-I Testing Tools](#) component that intercepts web service traffic between parties and writes the messages to a log file.

The Functional Specification for the Analyzer component can be found [here](#).

The Analyzer gets parameters from a configuration file, the path to which is passed in at runtime. The config file is found in `wsrptk/config`. Here is a sample of configuration file:

```
<wsi-analyzerConfig:configuration name="Sample WSRP Profile Analyzer
Configuration"
xmlns:wsi-analyzerConfig="http://www.ws-i.org/testing/2003/03/analyzerConfig/">
. . . .
<wsi-analyzerConfig:reportFile replace="true"
location="../logs/AnalyzerLog.xml">
<wsi-analyzerConfig:addStyleSheet href="../xsl/report.xsl"
type="text/xsl"/>
</wsi-analyzerConfig:reportFile>
<wsi-analyzerConfig:testAssertionsFile>
../profiles/WSRPProfileTestAssertions.xml
</wsi-analyzerConfig:testAssertionsFile>
<wsi-analyzerConfig:logFile correlationType="endpoint">
../logs/MonitorLog.xml
</wsi-analyzerConfig:logFile>
. . . .
</wsi-analyzerConfig:configuration>
```