

Architecture

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1. Introduction

The WSRPtk makes use of the Web Services Interoperability ([WS-I](#)) Testing Tools, by using a man-in-the-middle architecture to capture the web service message flow between Producer and Consumer. The Monitor tool is used to log messages between Producer and Consumer. It passes the messages unchanged between them. The messages are saved in the Message Log.

The Message Log file is then analyzed offline by the Analyzer tool to see if the messages meet the conformance requirements. The WSRPtk extends the WS-I Analyzer by implementing test assertions that evaluate the messages with respect to the WSRP V1 Specification. The Profile is an XML file that contains a description of each test assertion, and is used to tell the Analyzer which test assertions to execute. The logic for each test assertion is written in a Java class which the Analyzer loads at runtime.

The Analyzer creates an XML file containing the Report which summarizes the results of the test assertions.

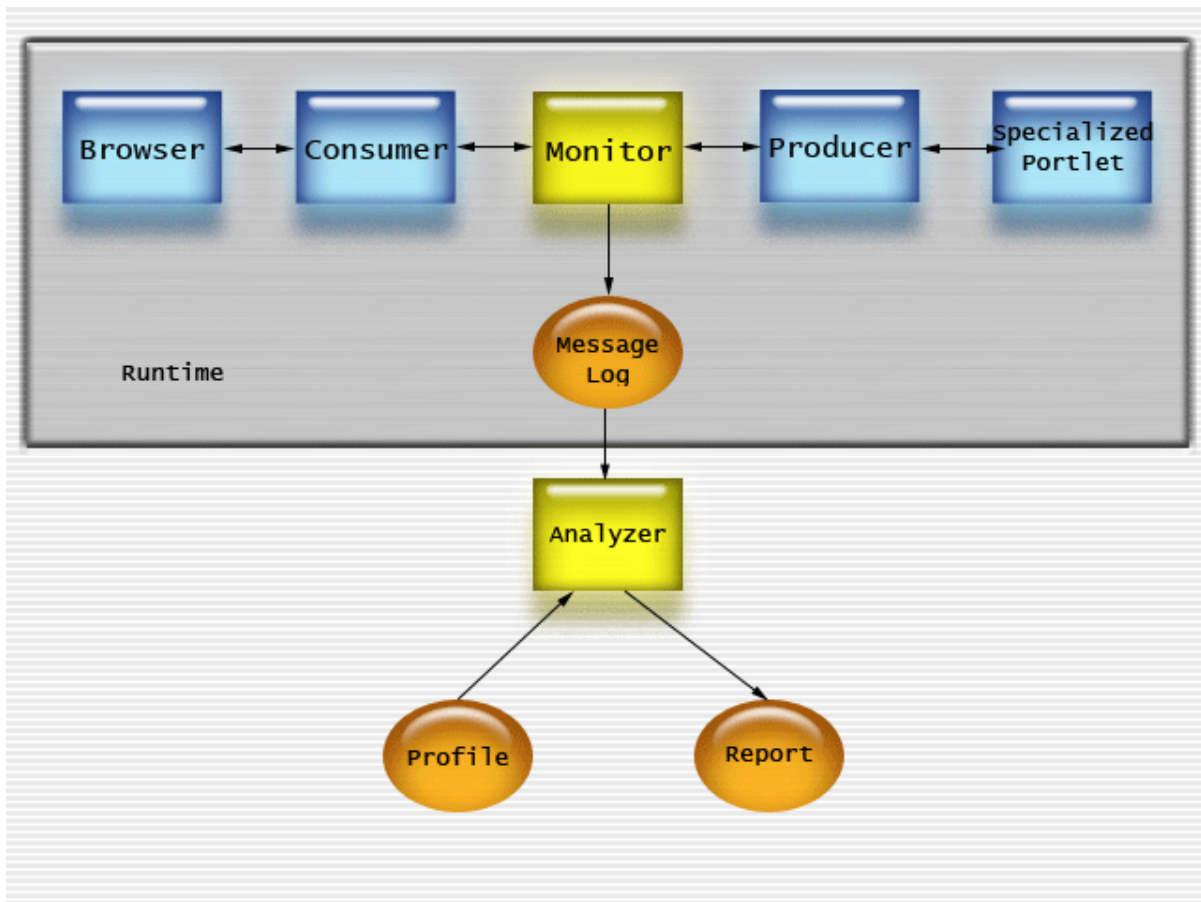


Diagram of Test Kit Architecture