

# **SCA Assembly**

## **Description of the SCA Assembly Testcases**

*Mike Edwards - IBM  
Hursley Lab, England*

# Agenda

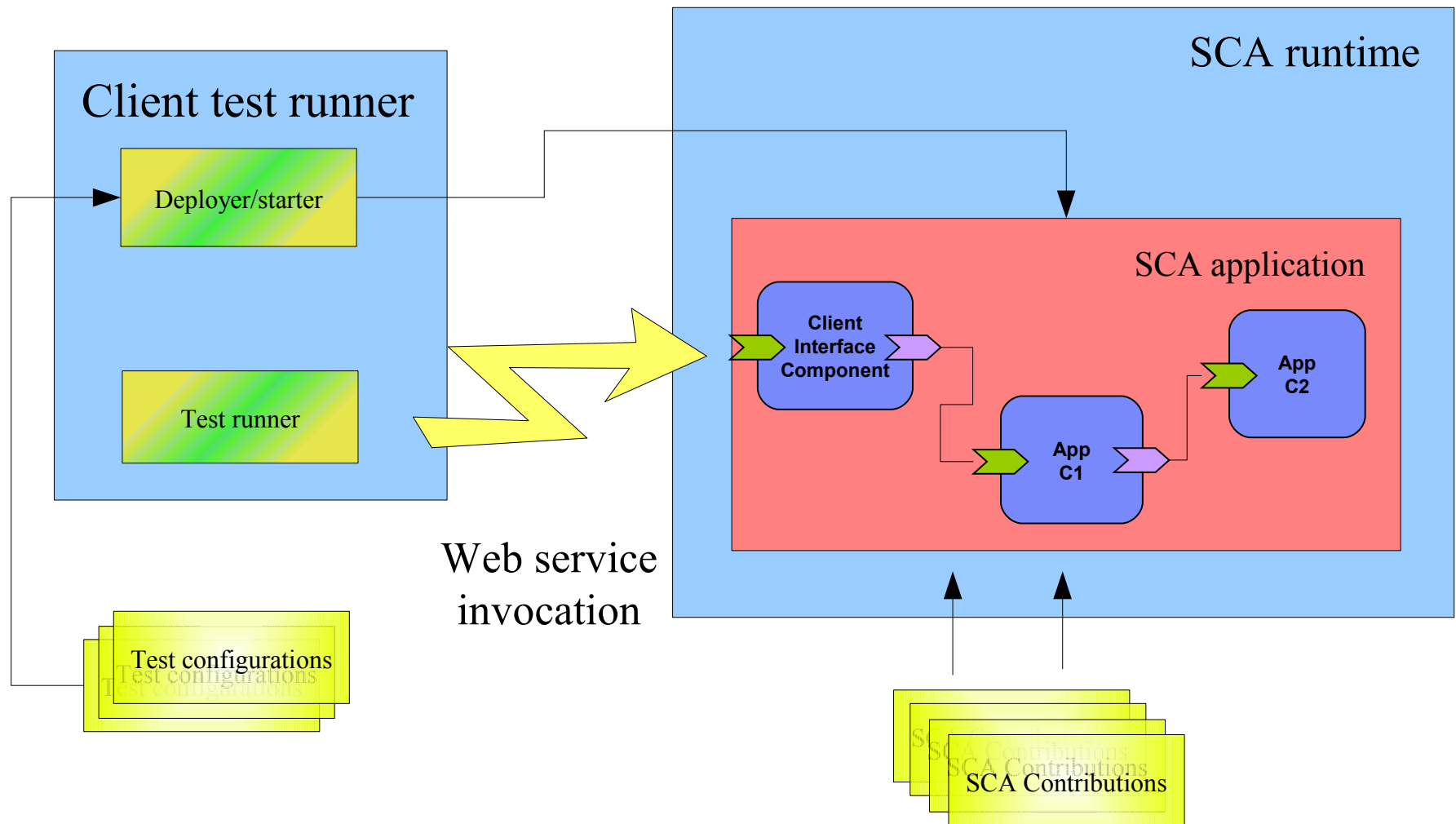
- **Structure of Assembly Testcases**
- Detail of Sample Testcase

# Documentation

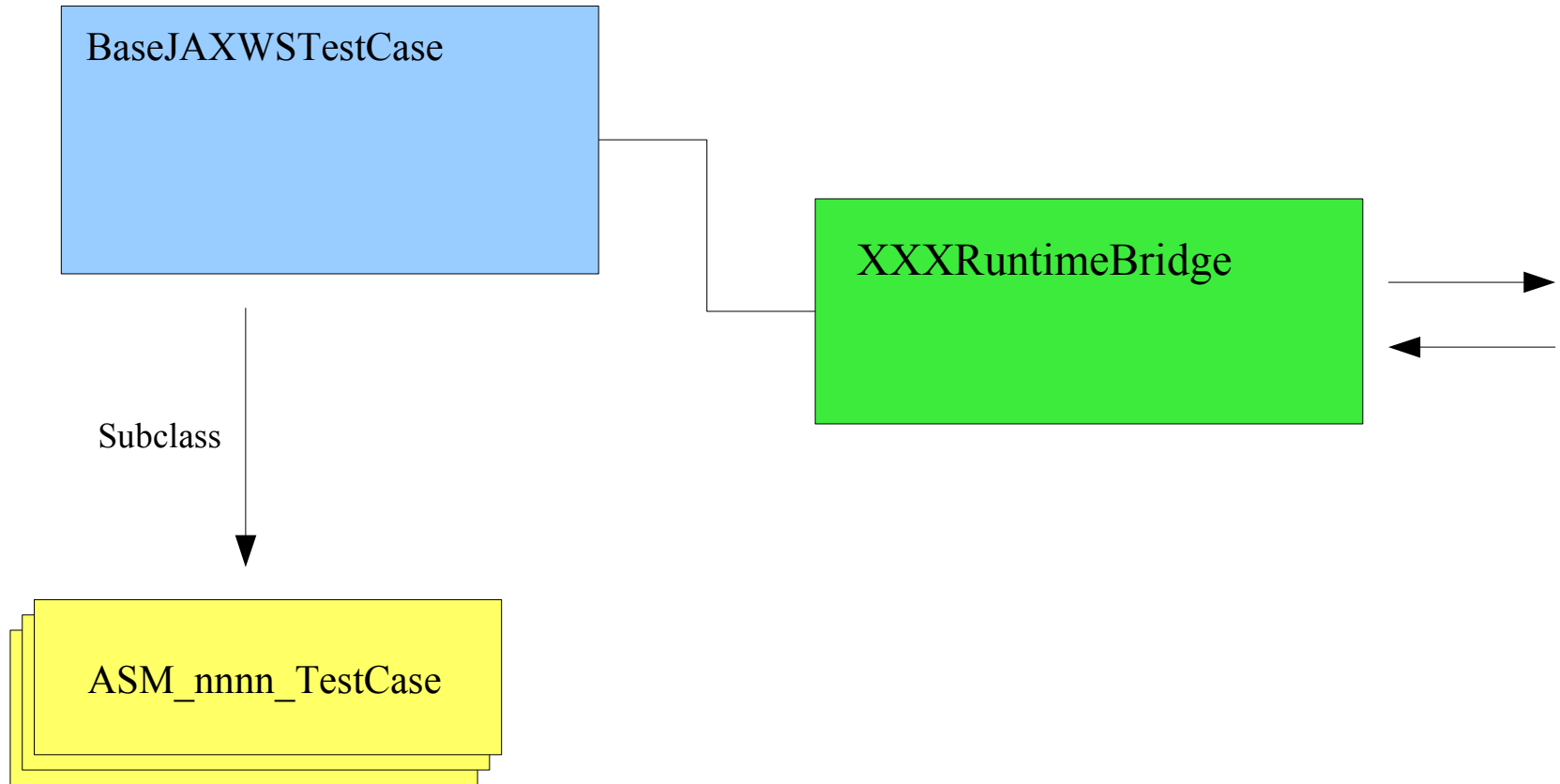
## ■ SCA Assembly Testcases document

- [http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/32578/SCA\\_Assembly\\_TestCases\\_22.odt](http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/32578/SCA_Assembly_TestCases_22.odt)
- [http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/32579/SCA\\_Assembly\\_TestCases\\_22.pdf](http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/32579/SCA_Assembly_TestCases_22.pdf)

# Basic Test Organization



# Client code



# Code layout

Test client

Test applications

src/test/java  
client  
testClient

Client classes  
JAXWS client code

src/test/java  
client  
AllTests.java 81 13/05/09 1  
ASM\_10001\_TestCase.java  
ASM\_10002\_TestCase.java  
ASM\_10003\_TestCase.java  
ASM\_12001\_TestCase.java  
ASM\_12002\_TestCase.java  
ASM\_12003\_TestCase.java  
ASM\_12004\_TestCase.java  
ASM\_12005\_TestCase.java  
ASM\_12006\_TestCase.java  
ASM\_12007\_TestCase.java  
ASM\_12008\_TestCase.java  
ASM\_12009\_TestCase.java  
ASM\_12010\_TestCase.java  
ASM\_12011\_TestCase.java

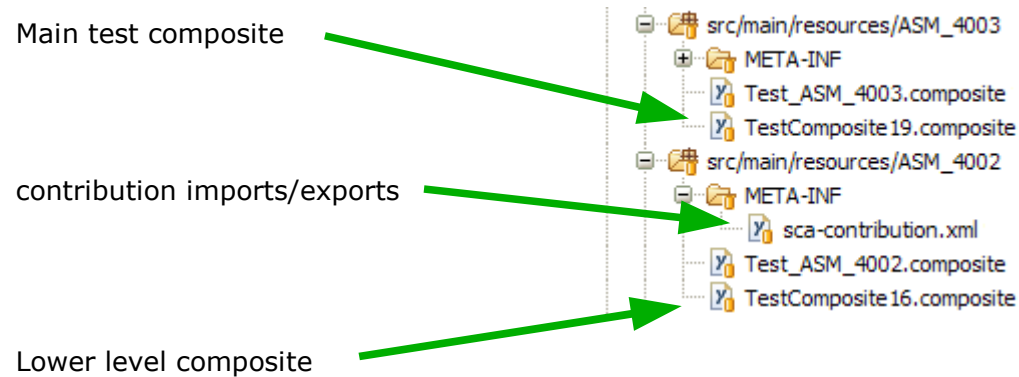
Individual contributions

General (shared) contribution  
- Java related artifacts

General (shared) contribution  
- non impl. specific

src/main/resources/ASM\_5005  
src/main/resources/ASM\_5004  
src/main/resources/ASM\_8028  
src/main/resources/ASM\_4007  
src/main/resources/ASM\_4004  
src/main/resources/ASM\_4003  
src/main/resources/ASM\_4002  
src/main/resources/General\_Java  
src/main/resources/ASM\_12001  
src/main/resources/ASM\_13008  
src/main/resources/ASM\_13007  
src/main/resources/ASM\_13006  
src/main/resources/ASM\_13005  
src/main/resources/ASM\_13004  
src/main/resources/ASM\_13003  
src/main/resources/ASM\_13002  
src/main/resources/ASM\_13001  
src/main/resources/ASM\_12013  
src/main/resources/ASM\_12012  
src/main/resources/Contribution2  
src/main/resources/ASM\_12010  
src/main/resources/ASM\_12009  
src/main/resources/ASM\_12008  
src/main/resources/ASM\_12007  
src/main/resources/ASM\_12002  
src/main/resources/ASM\_8003  
src/main/resources/General  
src/main/resources/ASM\_8001

# Contribution content



# Agenda

- Structure of Assembly Testcases
- **Detail of Sample Testcase**



# Example TestCase (1)

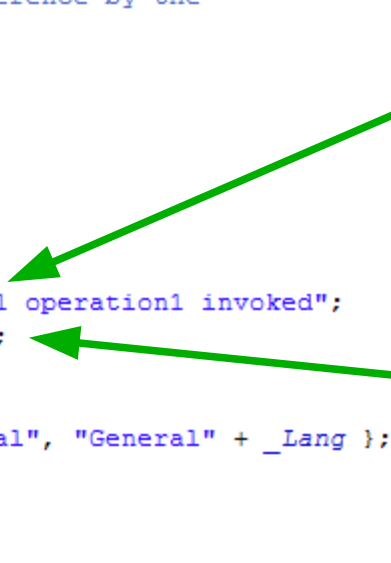
```
* Copyright (C) OASIS (R) 2005,2009. All Rights Reserved.
package client;

import test.ASM_0002_Client;

/**
 * Client for ASM_6004_TestCase, which tests that the <interface/> declared
 * on a <service/> subelement of a <composite/> is a compatible subset of the
 * <interface/> declared on the <component/> <service/> reference by the
 * @promote attribute
 */
public class ASM_6004_TestCase extends BaseJAXWSTestCase {

    protected TestConfiguration getTestConfiguration() {
        TestConfiguration config = new TestConfiguration();
        config.testName      = "ASM_6004";
        config.input         = "request";
        config.output        = "ASM_6004 request service1 operation1 invoked";
        config.composite     = "Test_ASM_6004.composite";
        config.testServiceName = "TestClient";
        config.testClass     = ASM_0002_Client.class;
        config.contributionNames = new String[] { "General", "General" + _Lang };
        config.serviceInterface = TestInvocation.class;
        return config;
    }

} // end class Test_ASM_6004
```



# Example TestCase (2)

```
<!--  
Tests that the <interface/> declared on a <service/> subelement of a  
<composite/> is a compatible subset of the <interface/> declared on  
the <component/> <service/> reference by the @promote attribute  
-->  
<composite xmlns="http://docs.oasis-open.org/ns/opencsa/sca/200903"  
  targetNamespace="http://oasis/tests"  
  xmlns:test="http://oasis/tests"  
  name="TEST_ASM_6004">  
  
  <component name="TestClient">  
    <implementation.composite name="test:TestClient_0002"/>  
    <service name="TestInvocation">  
      <interface.wsdl interface="http://test/#wsdl.porttype(TestInvocation)"/>  
      <binding.ws/>  
    </service>  
    <reference name="reference1" target="TestComponent1/Service1" />  
    <property name="testName">ASM_6004</property>  
  </component>  
  
  <!-- Component which uses a composite which has a <service/> subelement which  
    has an <interface/> declared which is a compatible subset of the interface  
    of the promoted component service -->  
  <component name="TestComponent1">  
    <implementation.composite name="test:TestComposite18"/>  
    <property name="serviceName">service1</property>  
  </component>  
  
</composite>
```

