

SCA Assembly

Description of the SCA Assembly Testcases

*Mike Edwards - IBM
Hursley Lab, England*

Agenda

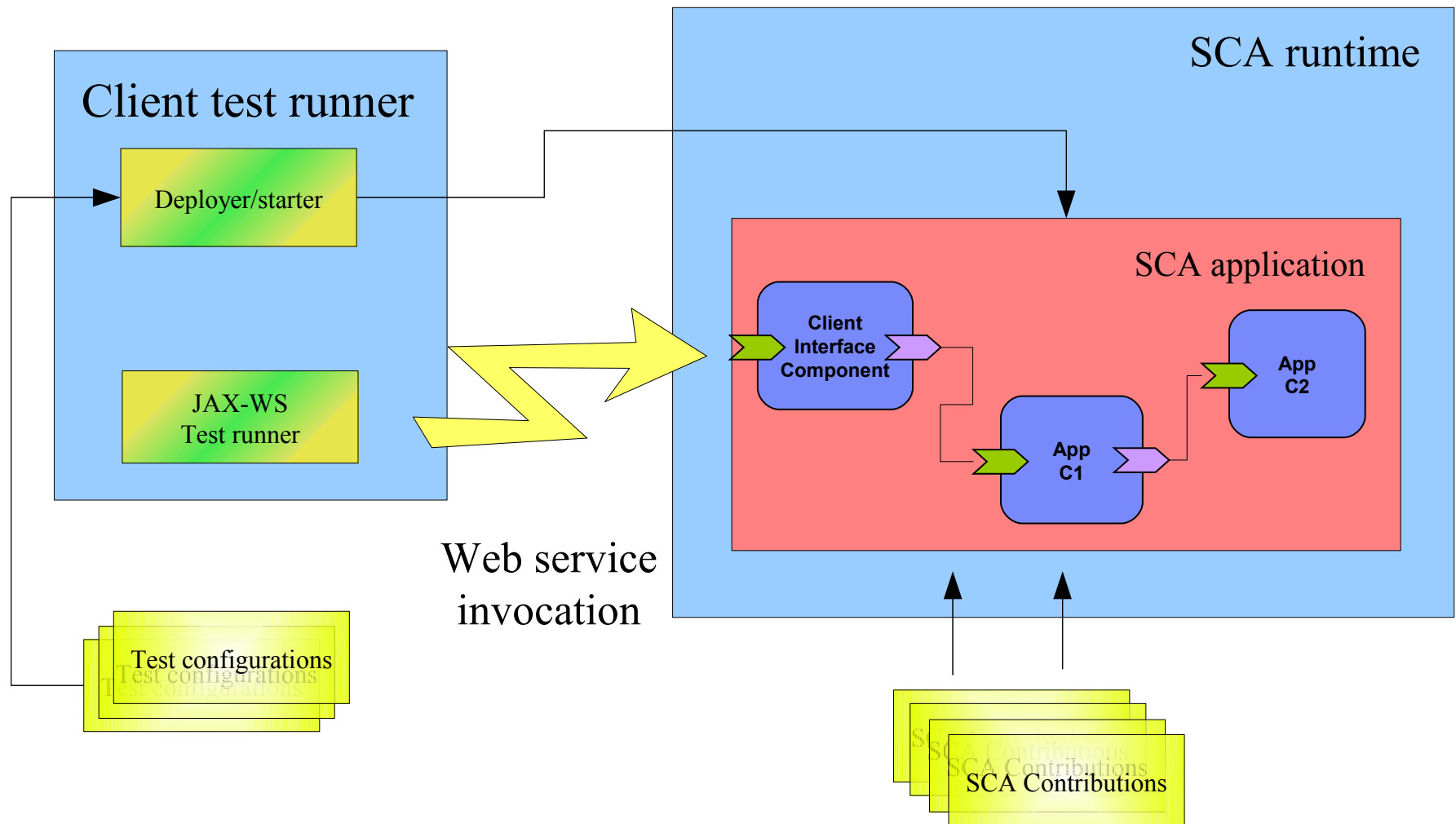
- **Structure of Assembly Testcases**
- Detail of Sample Testcase

Documentation

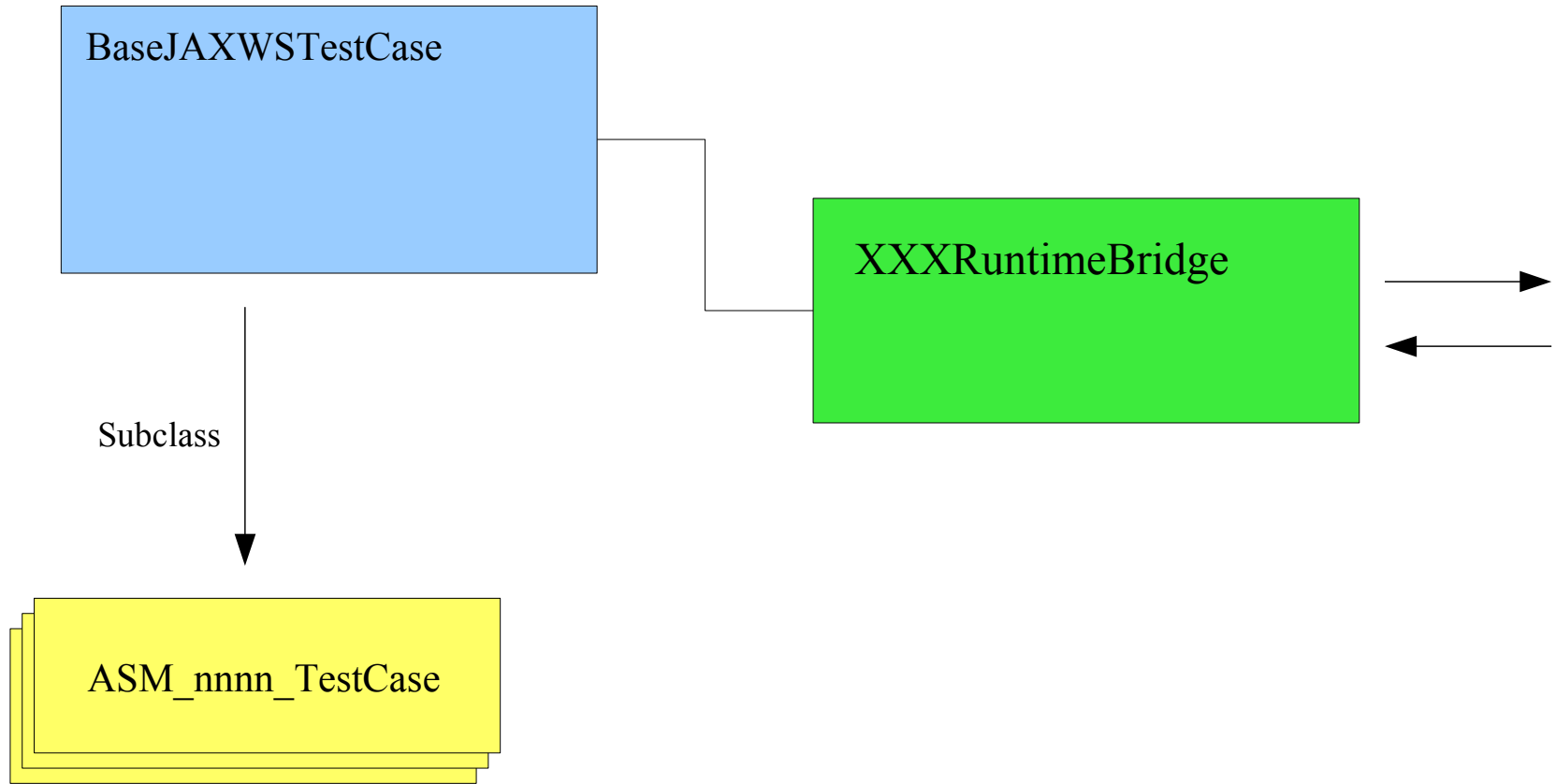
■ SCA Assembly Testcases document

- <http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/33771/sca-assembly-1.1-testcases-cd01.odt>
- <http://www.oasis-open.org/apps/org/workgroup/sca-assembly-testing/download.php/33770/sca-assembly-1.1-testcases-cd01.pdf>

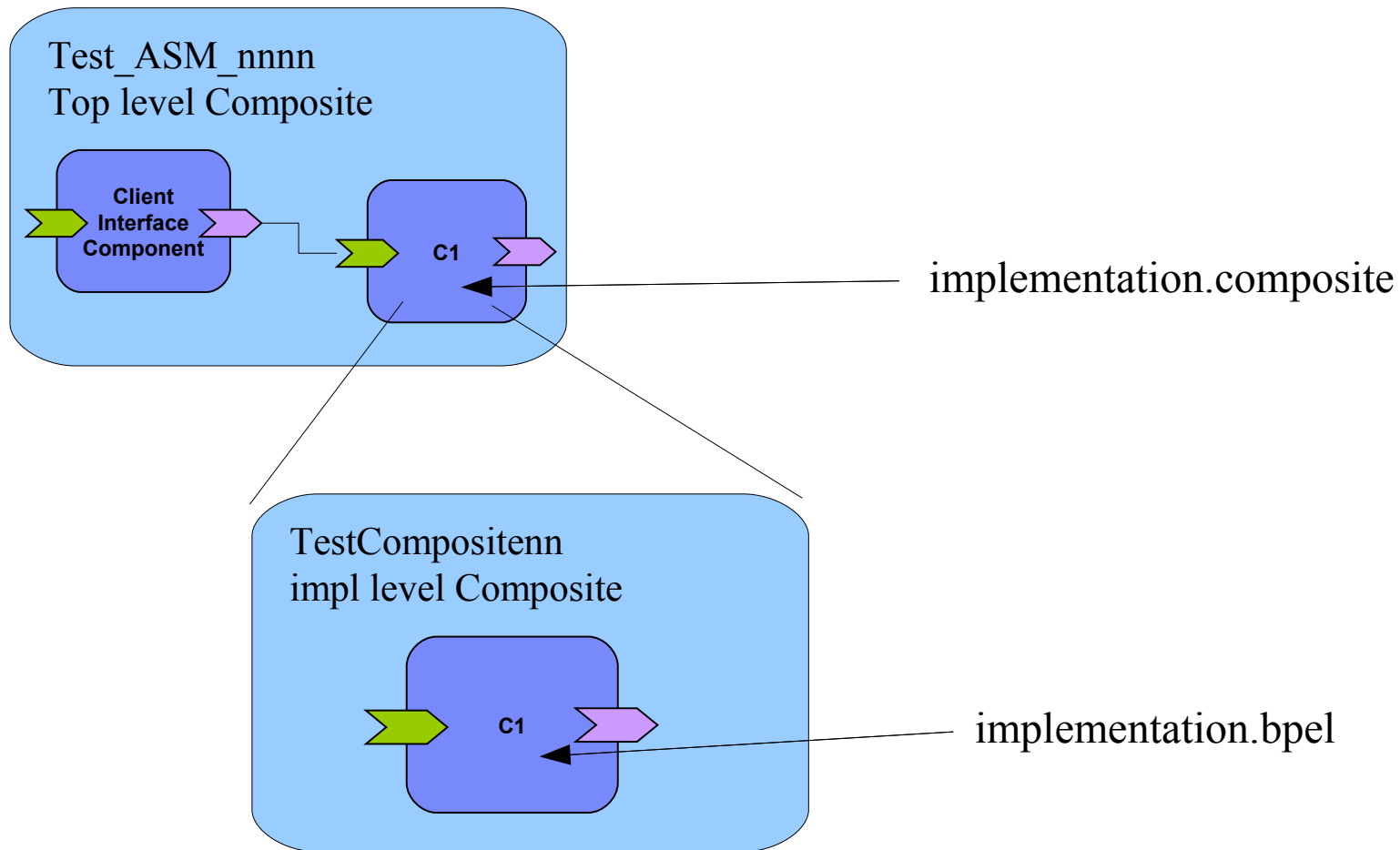
Basic Test Organization



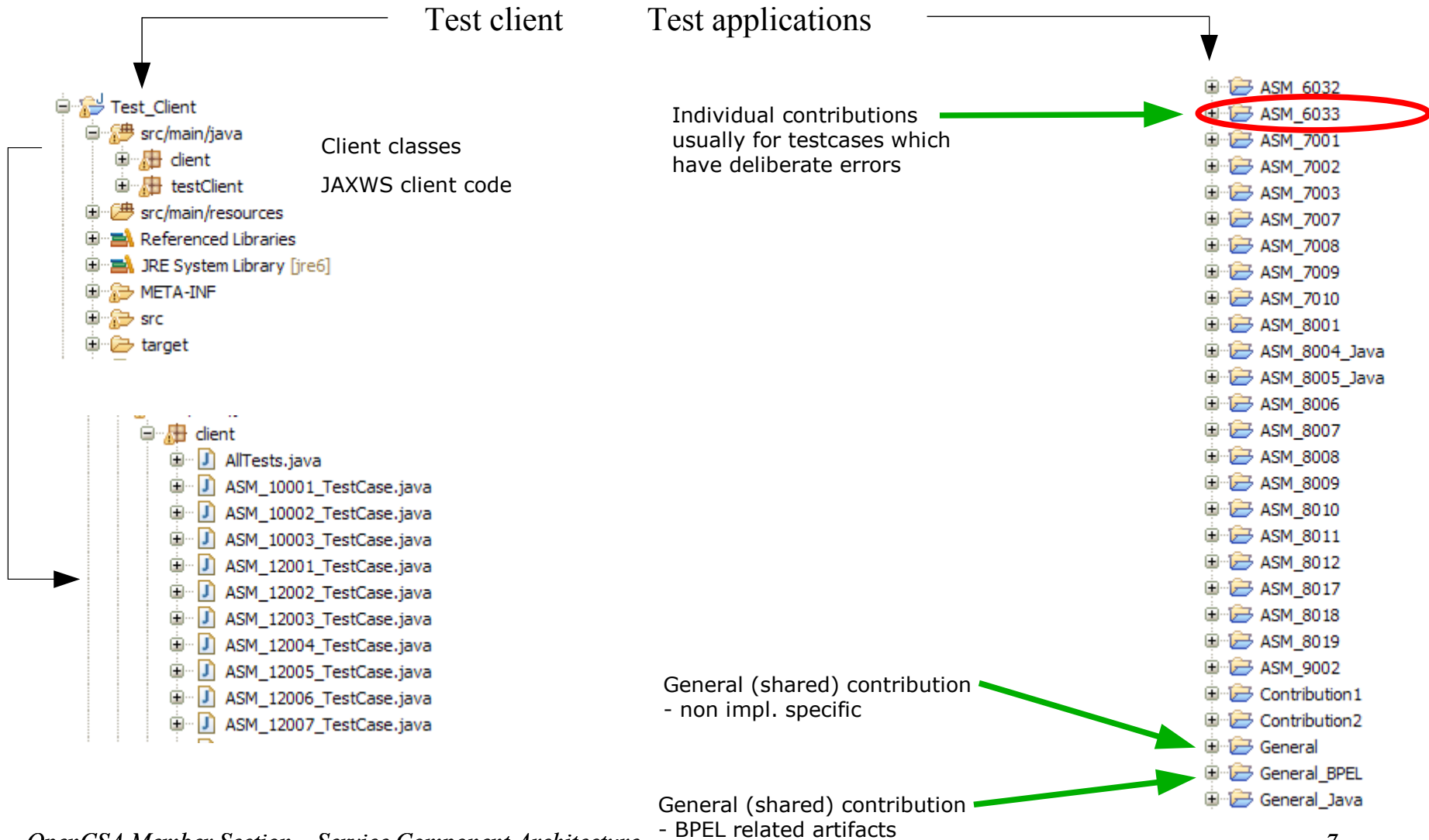
Client code



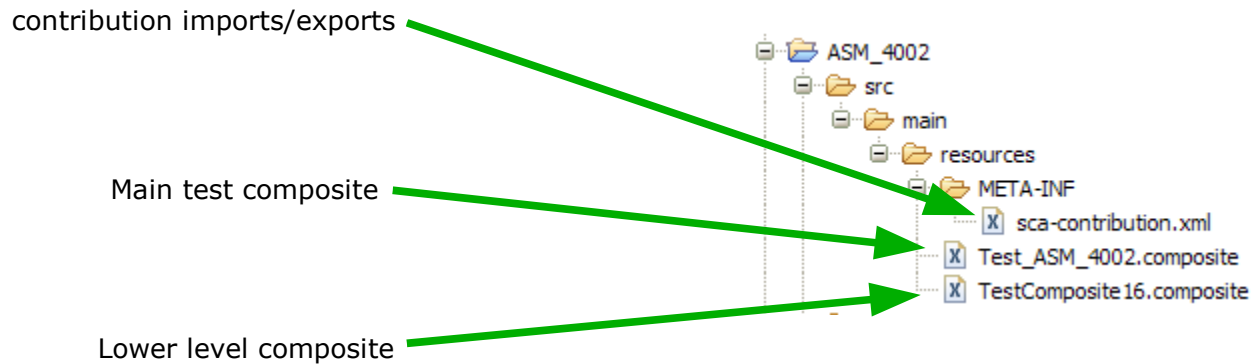
SCA Application structure



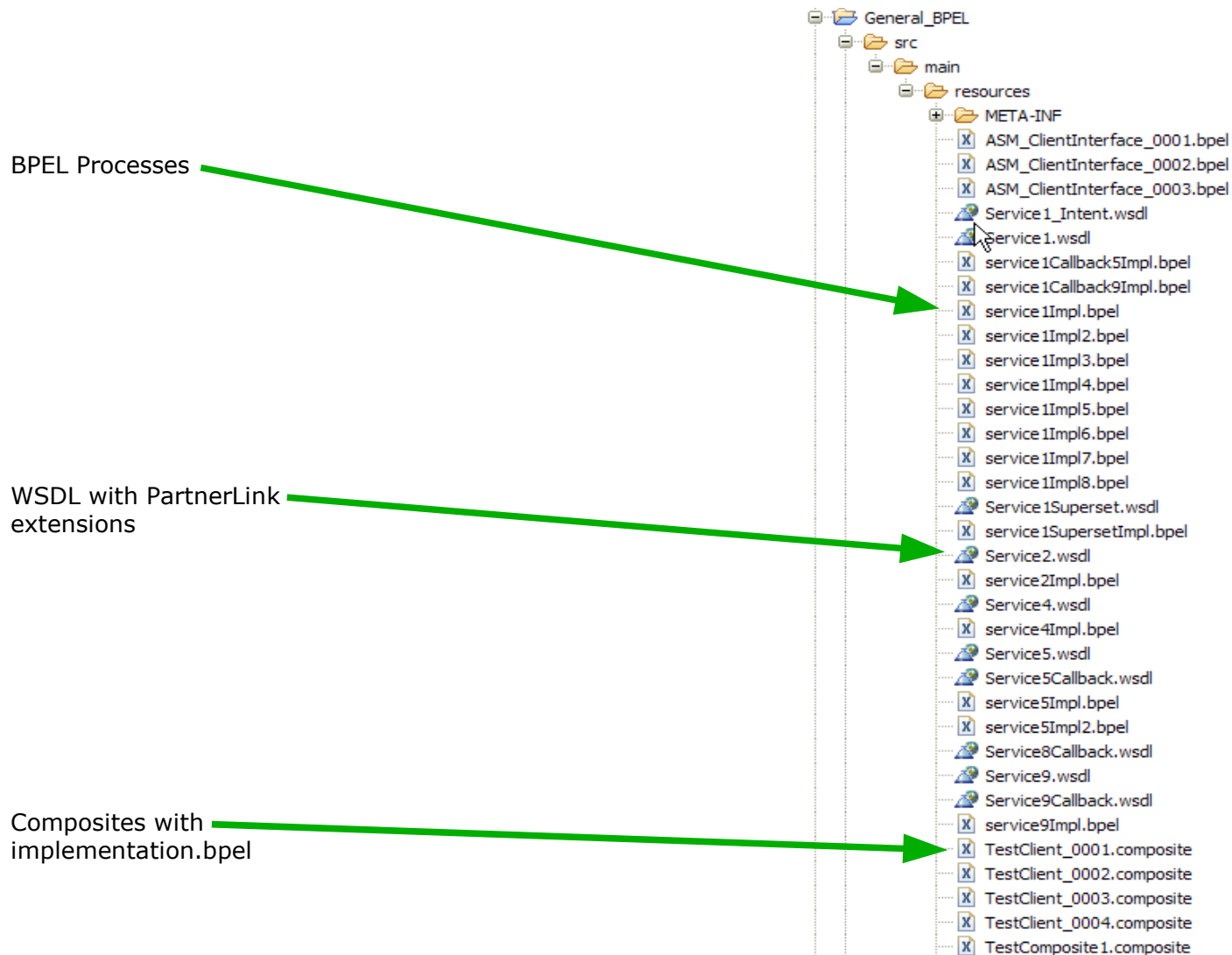
Code layout



Contribution content



BPEL Contribution content



Agenda

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

Example TestCase (1)

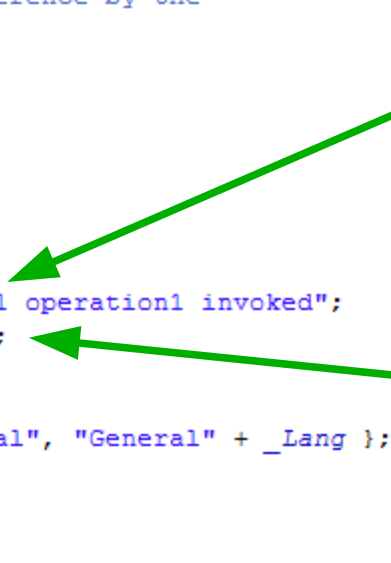
```
* Copyright(C) OASIS(R) 2005,2009. All Rights Reserved.
package client;

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://docs.oasis-open.org/ns/opencsa/scatests/200903"  
  xmlns:test="http://docs.oasis-open.org/ns/opencsa/scatests/200903"  
  name="TEST_ASM_6004">  
  
  <component name="TestClient">  
    <implementation.composite name="test:TestClient_0002"/>  
    <service name="TestInvocation">  
      <interface.wsdl interface="http://test.sca.oasisopen.org/#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>
```

