

Lab 5

webservice_proxy

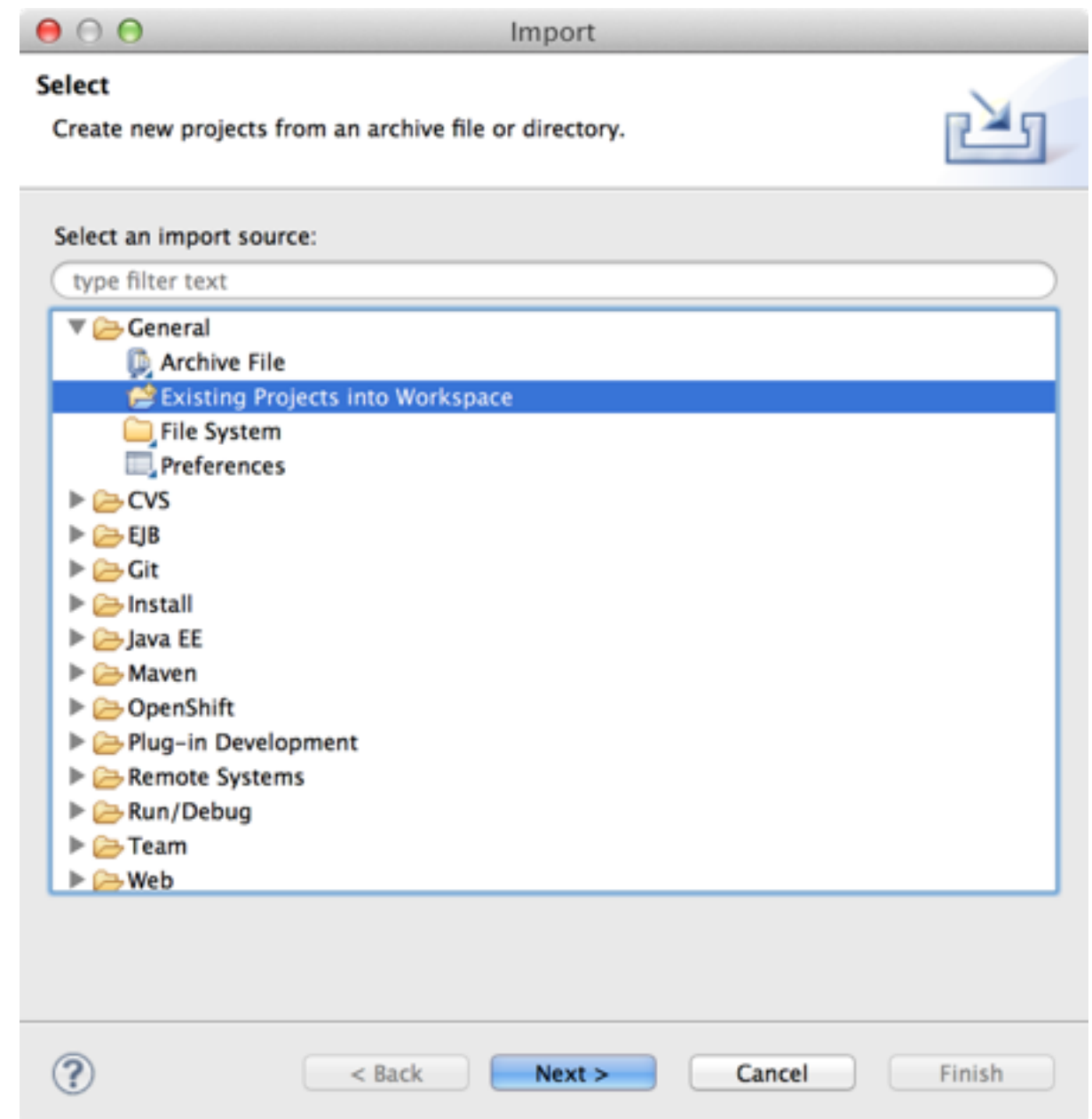
Lab Goals

- Introduction to webservice_proxy in SOA 5
- Introduction to webservice_proxy in SOA 6
- Step-by-step migration using Windup rules
- Deploy and test application in SOA 6

Importing SOA 5 Web Service Proxy

TODO

1. File -> Import ... from the JBDS menu.
2. Select General -> Existing Projects into Workspace
3. Click Next



Importing SOA 5 Web Service Proxy

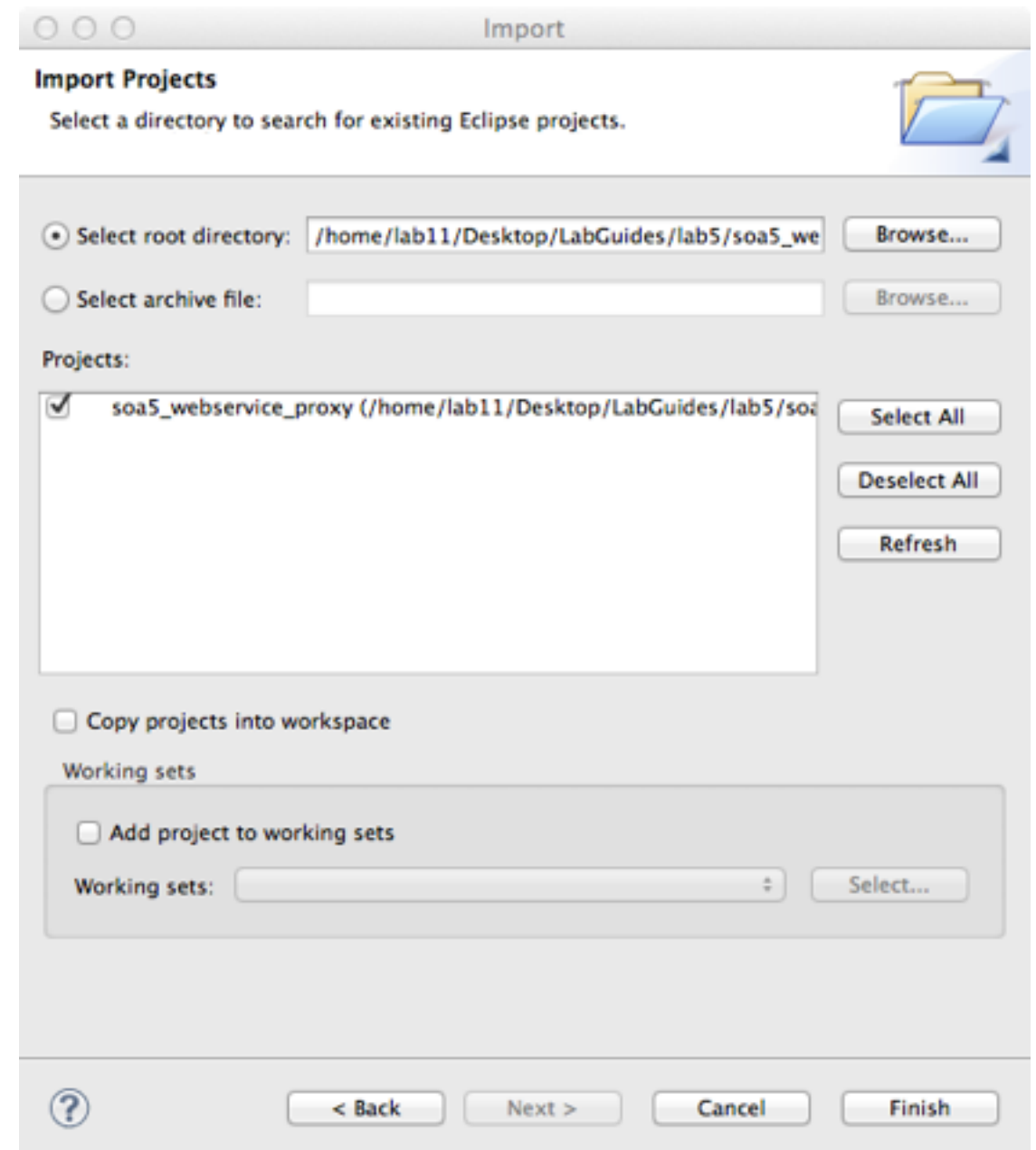
TODO

1. Click Browse ... and navigate to:

`/home/lab11/Desktop/LabGuides/lab5/soa5_webservice_proxy`

2. Make sure the soa5_webservice_proxy project is checked

3. Click Finish



Files To Note

TODO


1. `jboss-esb.xml` contains the project's service definitions and configuration. Open the file by double-clicking on it in the Project Explorer.
2. `HelloWorldWS.java` contains the web service which will be proxied. Open the file by double-clicking on it in the Project Explorer.



jboss-esb.xml



HelloWorldWS.java

A screenshot of a Java IDE window titled 'HelloWorldWS.java'. The code is written in Java and defines a web service class. It includes a package declaration, an import statement, a Javadoc comment, and a public class with a single method.

```

+ * JBoss, Home of Professional Open Source
package org.jboss.soa.esb.samples.quickstart.webservice_proxy_basic;

+ import javax.jws.WebMethod;

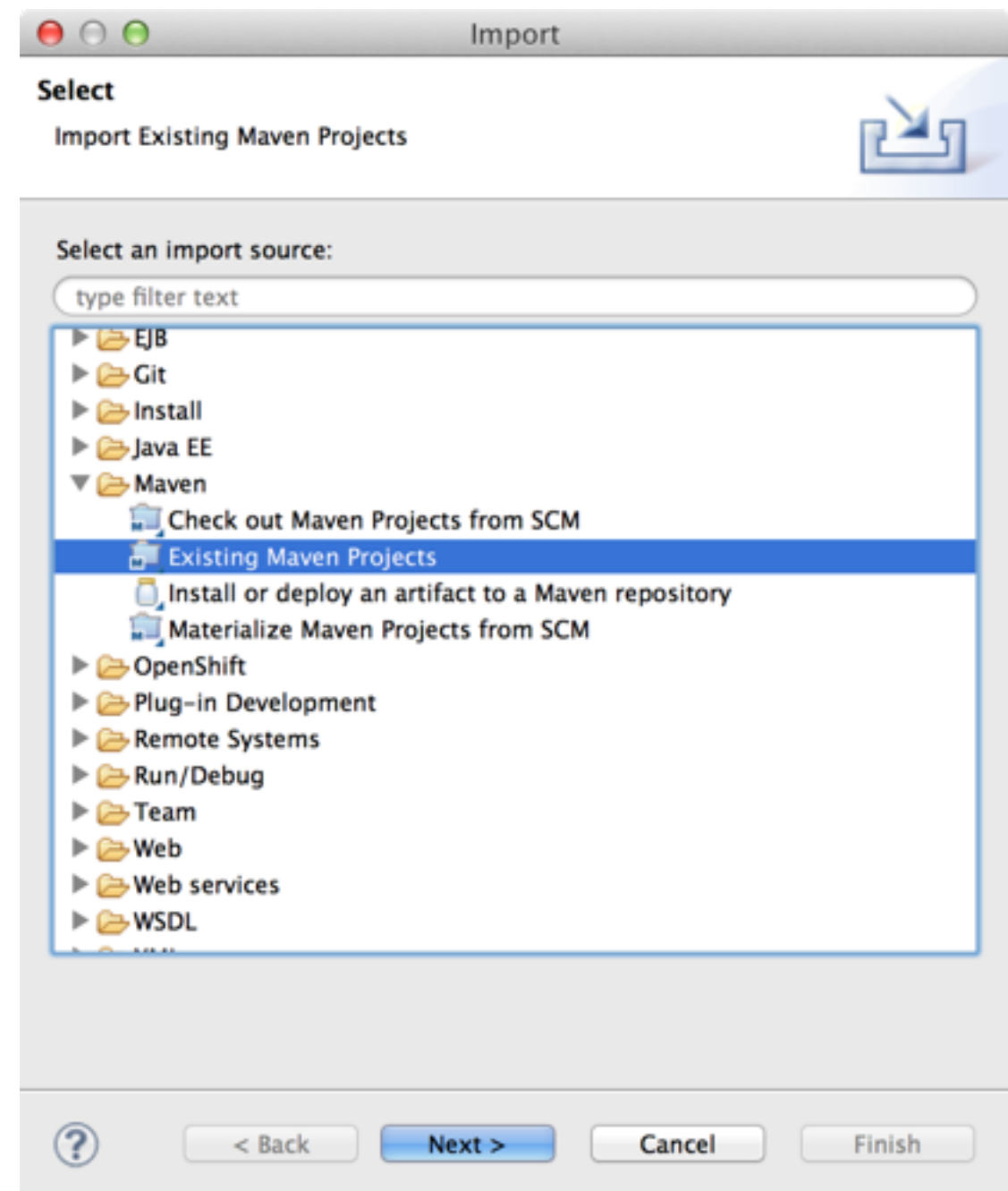
- /**
 * Simple rpc-style webservice that returns a hello greeting (using the passed-in name) and the current date.
 *
 * @author dward at jboss.org
 */
@WebService(name = "HelloWorld", targetNamespace = "http://webservice_proxy_basic/helloworld")
public class HelloWorldWS
{
    - @WebMethod
    public String sayHello(@WebParam(name = "toWhom") String toWhom)
    {
        return "Hello '" + toWhom + "' on " + new java.util.Date();
    }
}

```

Importing SOA 6 Web Service Proxy

TODO

1. File -> Import ... from the JBDS menu.
2. Select Maven -> Existing Maven Projects
3. Click Next



Importing SOA 6 Web Service Proxy

TODO

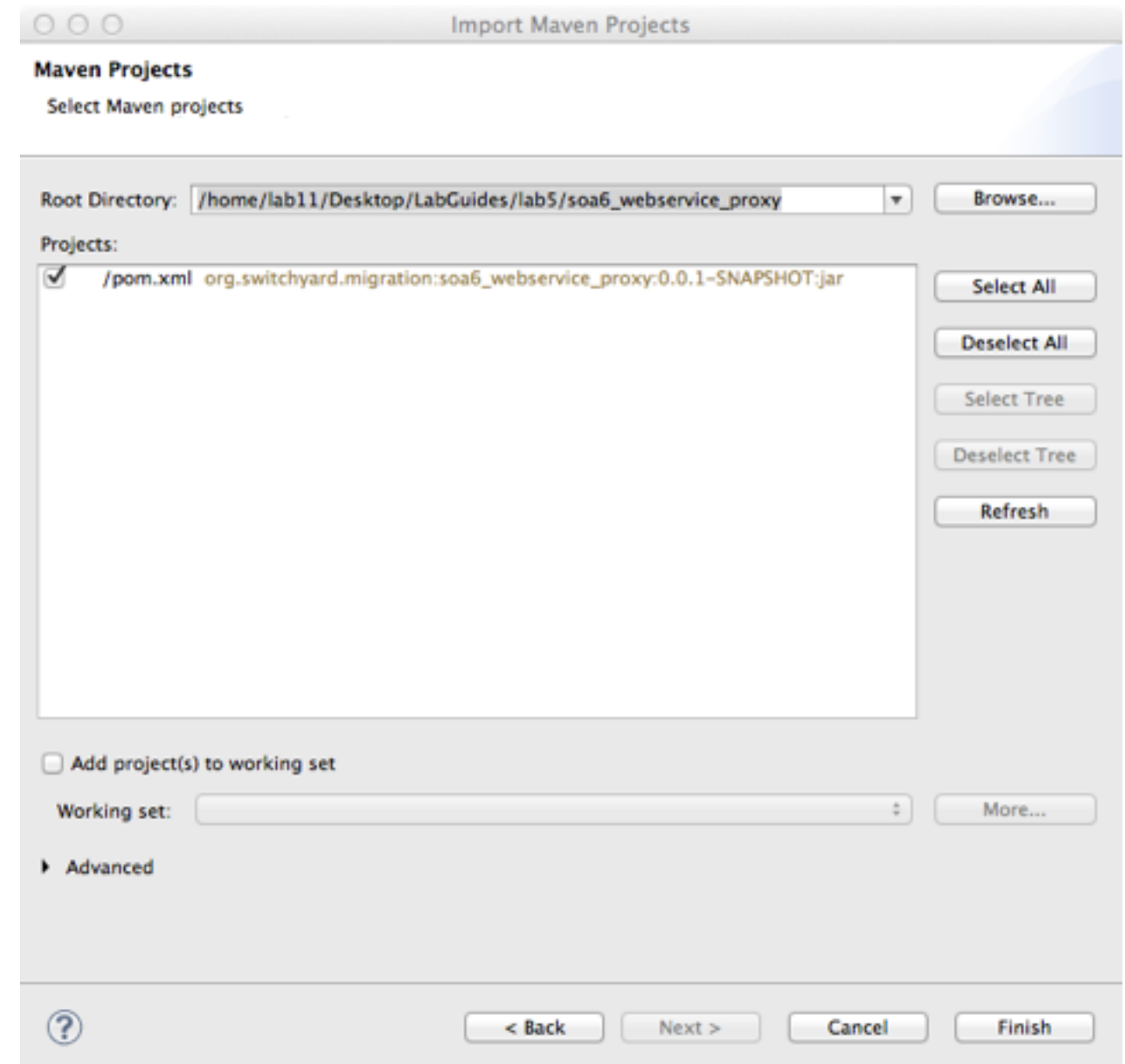
1. Click Browse ... and navigate to:

`/home/lab11/Desktop/LabGuides/lab1/soa6_webservice_proxy`

2. Make sure the pom.xml is checked for:

`org.switchyard.migration:soa6_webservice_proxy`

3. Click Finish



Get Your Windup On!



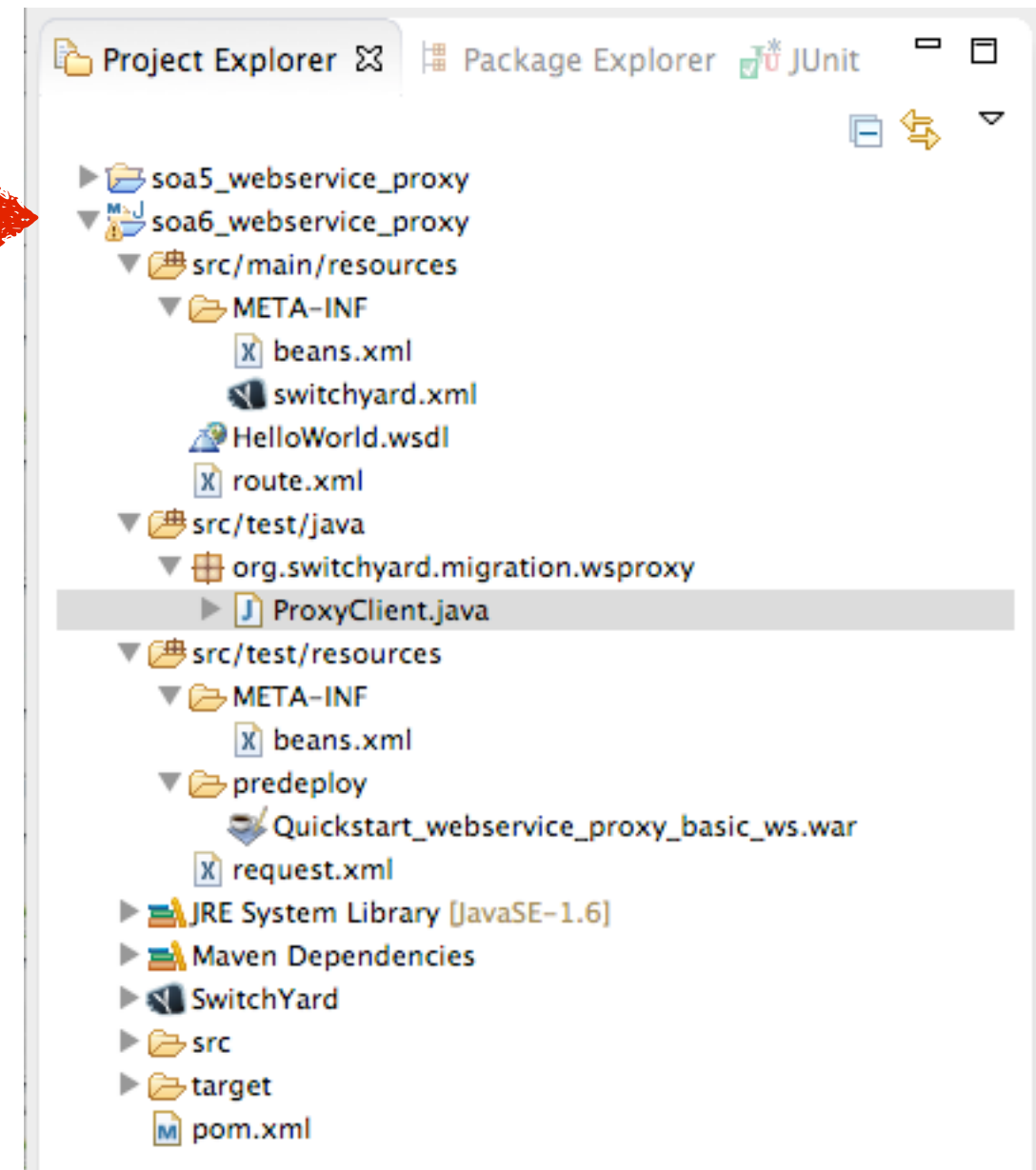
FYI

OK, you know the drill at this point. Check out the windup report and check out the SOA 5 and SOA 6 apps to see the changes.

Deploy Application

TODO

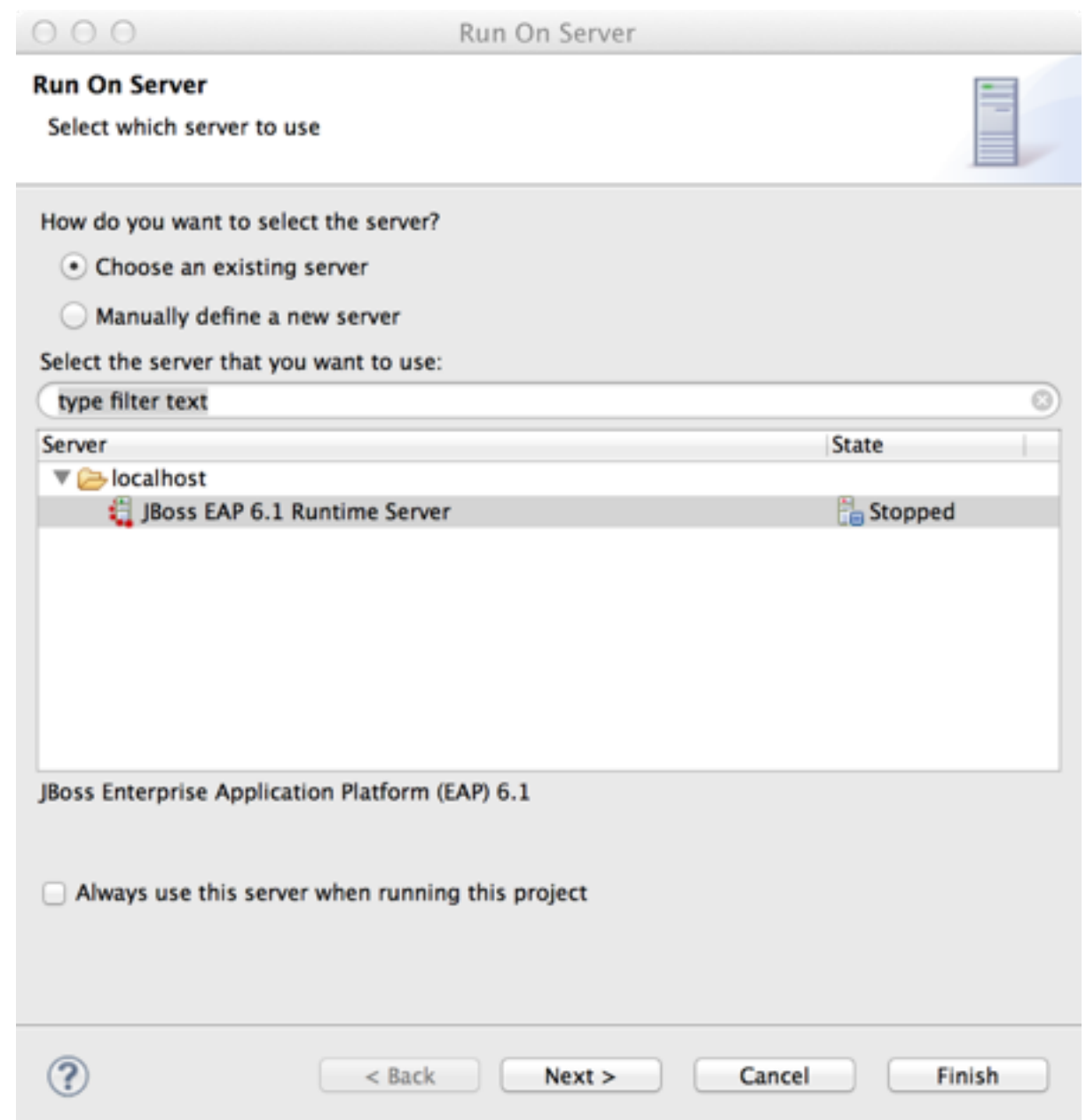
1. Right-click on the soa6_webservice_proxy project and select Run As ... Run on Server



Select Server

TODO

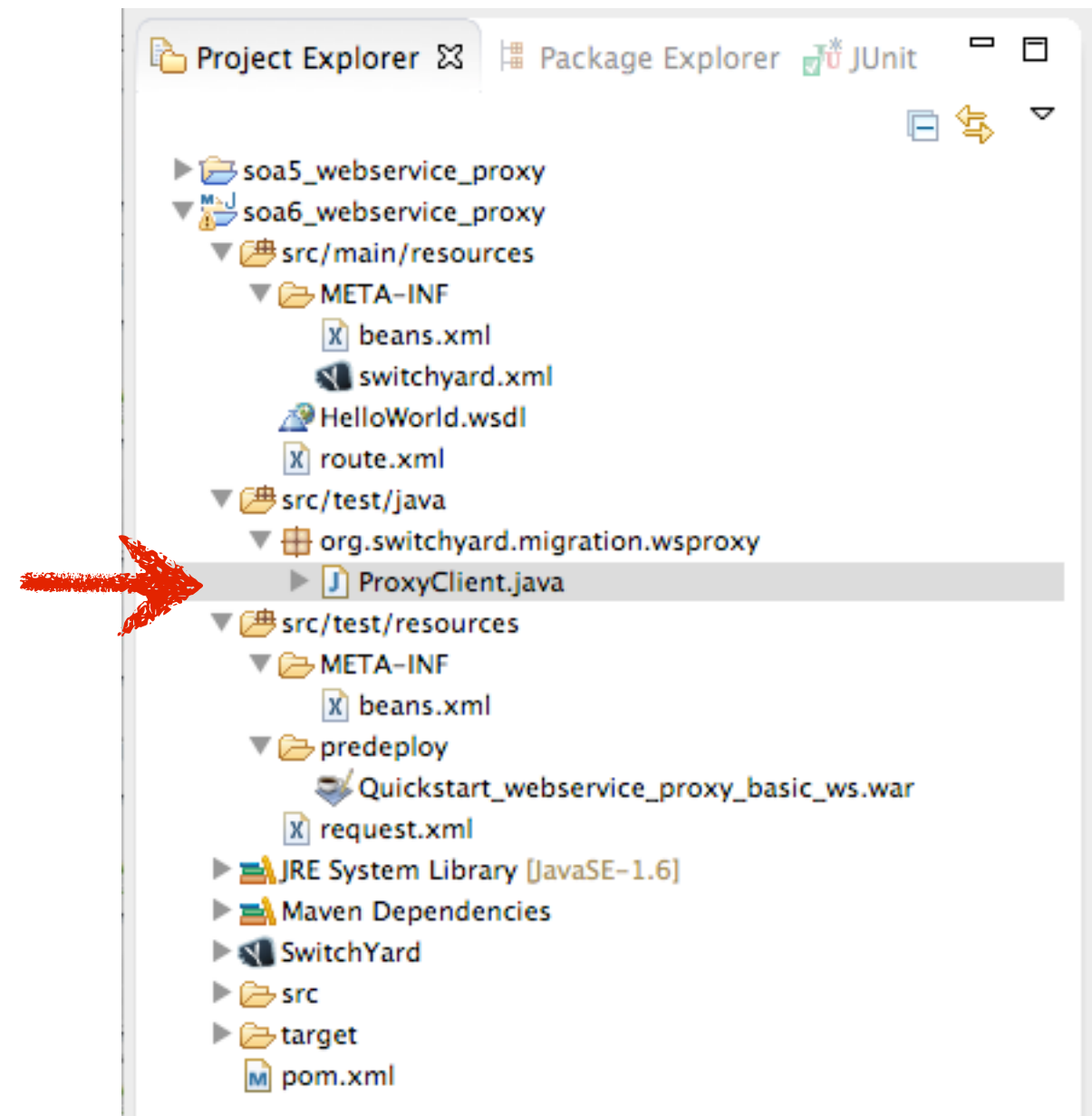
1. Select the JBoss EAP 6.1 Runtime Server
2. Click Finish



Run Test Client

TODO

1. Open ProxyClient.java from the Project Explorer view.
2. Go to the Run menu in the main menu bar and select 'Run As -> Java Application'



Verify Output

TODO

1. Click here to swap between application output and server output.

A screenshot of an IDE console window. The title bar shows tabs for 'Problems', 'Properties', 'Servers', 'Console', and 'OpenShift Explorer'. The console output shows a series of log messages from a 'ProxyClient [Java Application]' running on a specific Java path. The messages are INFO level and show the receipt of response headers and body for an HTTP request.

```
<terminated> ProxyClient [Java Application] /System/Library/Java/JavaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java (Jun 11, 2013 10:59:20 AM)
10:59:21,648 INFO [http.HTTPMixIn] Received response header:[Server=Apache-Coyote/1.1]
10:59:21,648 INFO [http.HTTPMixIn] Received response header:[Content-Type=text/xml; charset=UTF-8]
10:59:21,648 INFO [http.HTTPMixIn] Received response header:[Content-Length=307]
10:59:21,648 INFO [http.HTTPMixIn] Received response header:[Date=Tue, 11 Jun 2013 14:59:21 GMT]
10:59:21,648 INFO [http.HTTPMixIn] Received response body:[<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/env
```

Verify Output

TODO

1. Click here to swap between application output and server output.

A screenshot of the Eclipse IDE console. The console is titled 'JBoss 7.1 Runtime 1 Server [JBoss Application Server Startup Configuration] /System/Library/Java/JavaVirtualMachines/1.6.0.jdk/Contents/Home/bin/java (Jun 11, 2013 10:59:21,639 INFO [route5] (http-localhost-127.0.0.1-8080-2) Proxy - Message After Routing to HelloWorld:'. The console output shows an XML message: `<hello:sayHello xmlns:hello="http://webservice_proxy_basic/helloworld">
 <toWhom>David</toWhom>
</hello:sayHello>` followed by a log entry: `10:59:21,639 INFO [route5] (http-localhost-127.0.0.1-8080-2) Proxy - Message After Routing to HelloWorld:
<ns2:sayHelloResponse xmlns:ns2="http://webservice_proxy_basic/helloworld"><return>Hello 'David' on Tue Jun 11 10:59:21 EDT 2013</`

Lab 5 Complete!