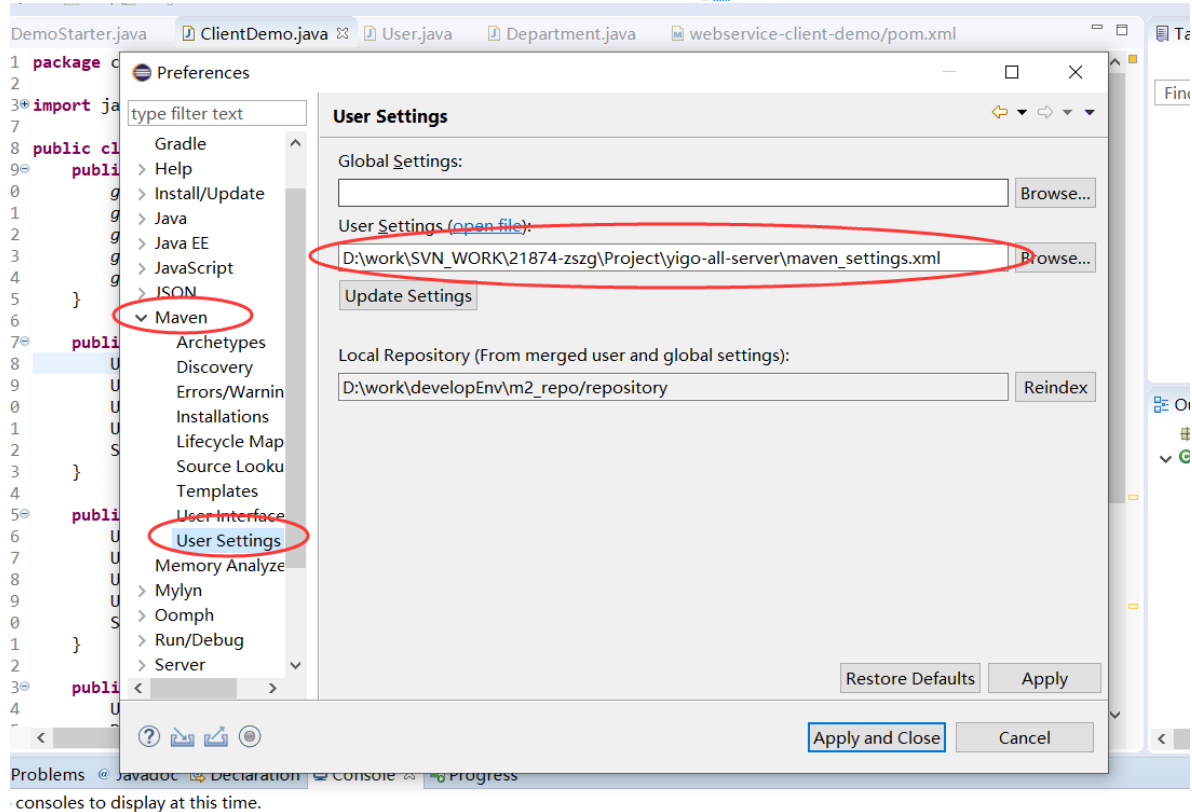
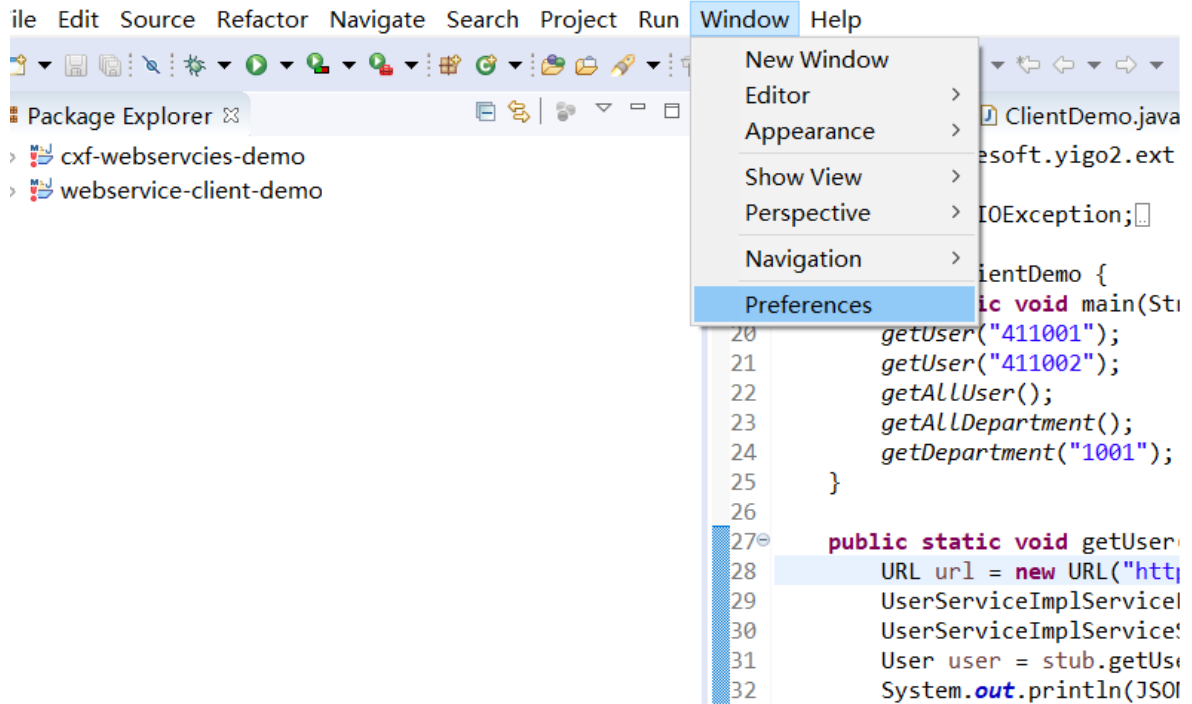


webservice教程

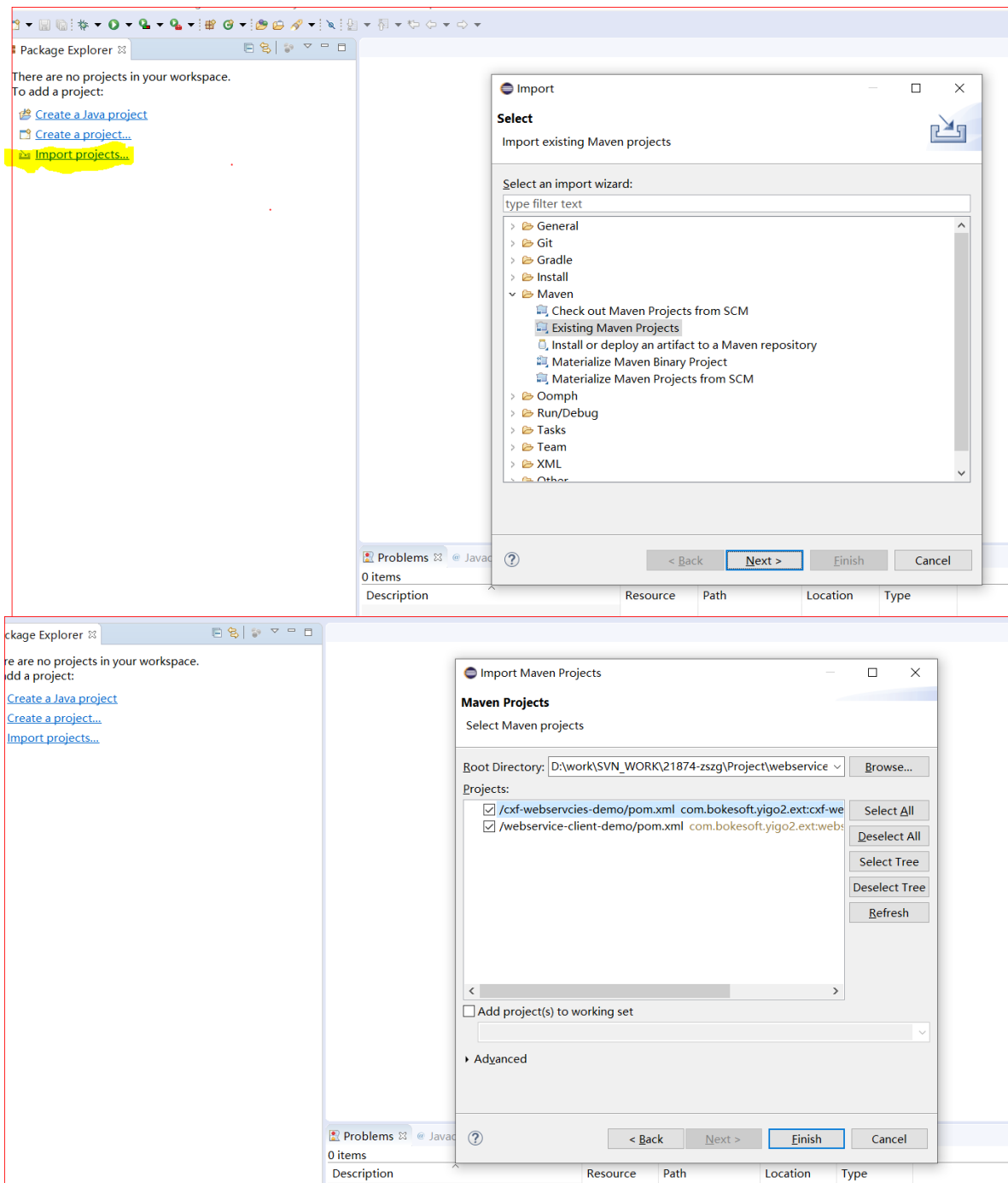
1.安装使用webservice-server

1.1 eclipse的maven环境准备

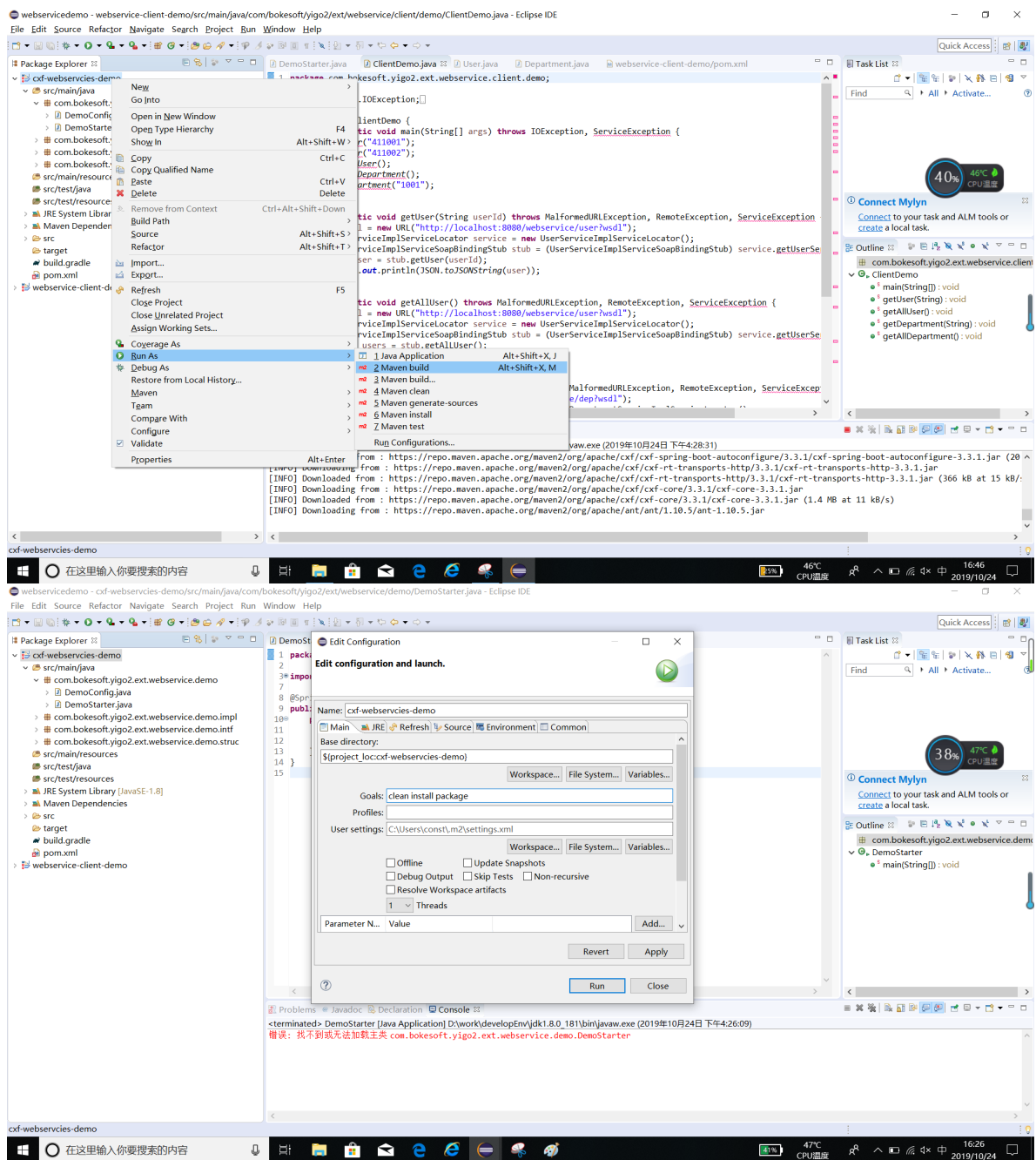
webservicedemo - Eclipse IDE



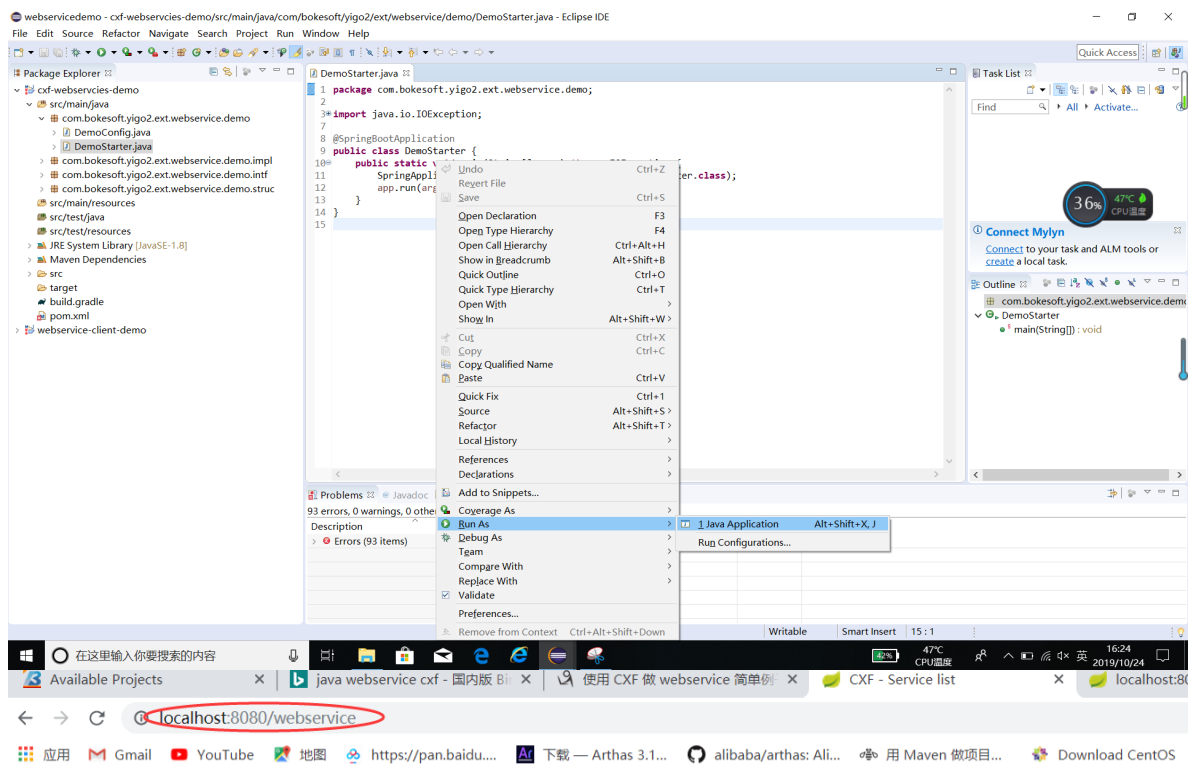
1.2 eclipse导入webservice-server的maven工程



1.3 maven项目的准备工作



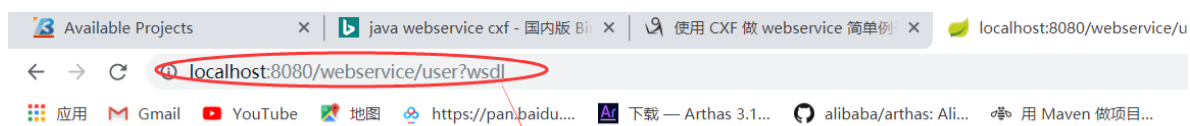
1.4 启动webservice-server,并查看webservice接口服务效果



Available SOAP services:

DepartmentService <ul style="list-style-type: none"> getDepartment getAllDepartment 	Endpoint address: http://localhost:8080/webService/dep WSDL : (http://localhost:8080/DepartmentServiceImplService) Target namespace: http://localhost:8080/
UserService <ul style="list-style-type: none"> getAllUser getName dealUserRequest getUser 	Endpoint address: http://localhost:8080/webService/user WSDL : (http://localhost:8080/UserServiceImplService) Target namespace: http://localhost:8080/

这两个是webService接口地址,



This XML file does not appear to have any style information associated with it. The document tree is shown b

```

<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:tns="http://schemas.xmlsoap.org/soap/http" xmlns:ns1="http://intf.demo.webService.ext.yigo2.bokesoft.com/" name="UserService" targetNamespace="http://intf.demo.webService.ext.yigo2.bokesoft.com/">
  <wsdl:import location="http://localhost:8080/webService/user?wsdl=UserService.wsdl" namespace="http://intf.demo.webService.ext.yigo2.bokesoft.com/">
    <wsdl:binding name="UserServiceSoapBinding" type="tns:UserService">
      <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
      <wsdl:operation name="getAllUser">
        <soap:operation soapAction="" style="document"/>
        <wsdl:input name="getAllUser">
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="getAllUserResponse">
          <soap:body use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="getName">
        <soap:operation soapAction="" style="document"/>
        <wsdl:input name="getName">
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="getNameResponse">
          <soap:body use="literal"/>
        </wsdl:output>
      </wsdl:operation>
      <wsdl:operation name="dealUserRequest">
        <soap:operation soapAction="" style="document"/>
        <wsdl:input name="dealUserRequest">
          <soap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="dealUserRequestResponse">
          <soap:body use="literal"/>
        </wsdl:output>
      </wsdl:operation>
    </wsdl:binding>
  </wsdl:import>
</wsdl:definitions>

```

接口地址

```
▼<wsdl:operation name="getUser">
  <soap:operation soapAction="" style="document"/>
  ▼<wsdl:input name="getUser">
    <soap:body use="literal"/>
  </wsdl:input>
  ▼<wsdl:output name="getUserResponse">
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
```

2.安装使用webservice-client

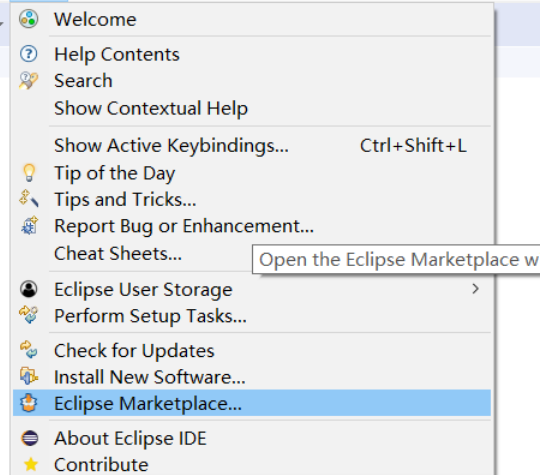
2.1 eclipse的maven环境准备

参照 1.1 (略)

2.2 准备javeee环境,使用webservice-client代码工具

Package Explorer

- > cxf-webservices-demo
- > webservice-client-demo



Eclipse Marketplace

Select solutions to install. Press Install Now to proceed with installation.
Press the "more info" link to learn more about a solution.

Search Recent Popular Favorites Installed Research@Eclipse

Find: java ee All Markets All Categories Go

code generator code generation code velocity template ...

★ 98 Installs: 23.1K (674 last month) **Install**

Maven (Java EE) Integration for Eclipse WTP (Luna/Mars) 1.2.0

Maven (Java EE) Integration for Eclipse WTP (a.k.a m2e-wtp) aims at providing a tight integration between Maven Integration for Eclipse (a.k.a m2e) and the... [more info](#)

by Eclipse.org, EPL
[maven](#) [m2e](#) [wtp](#) [java ee](#) [EJB](#) ...

★ 108 Installs: 53.4K (1,178 last month) **Install**

Eclipse Java EE Developer Tools 3.14

Enables Enterprise Java Bean, Java Enterprise Application, Fragments, and Connector, Java Web Application, JavaServer Faces (JSF), Java Server Pages (JSP), Java... [more info](#)

by The Eclipse Foundation, EPL
[xml](#) [html](#) [CSS](#) [js](#) [jsp](#) ...

★ 566 Installs: 273K (12,943 last month) **Installed**

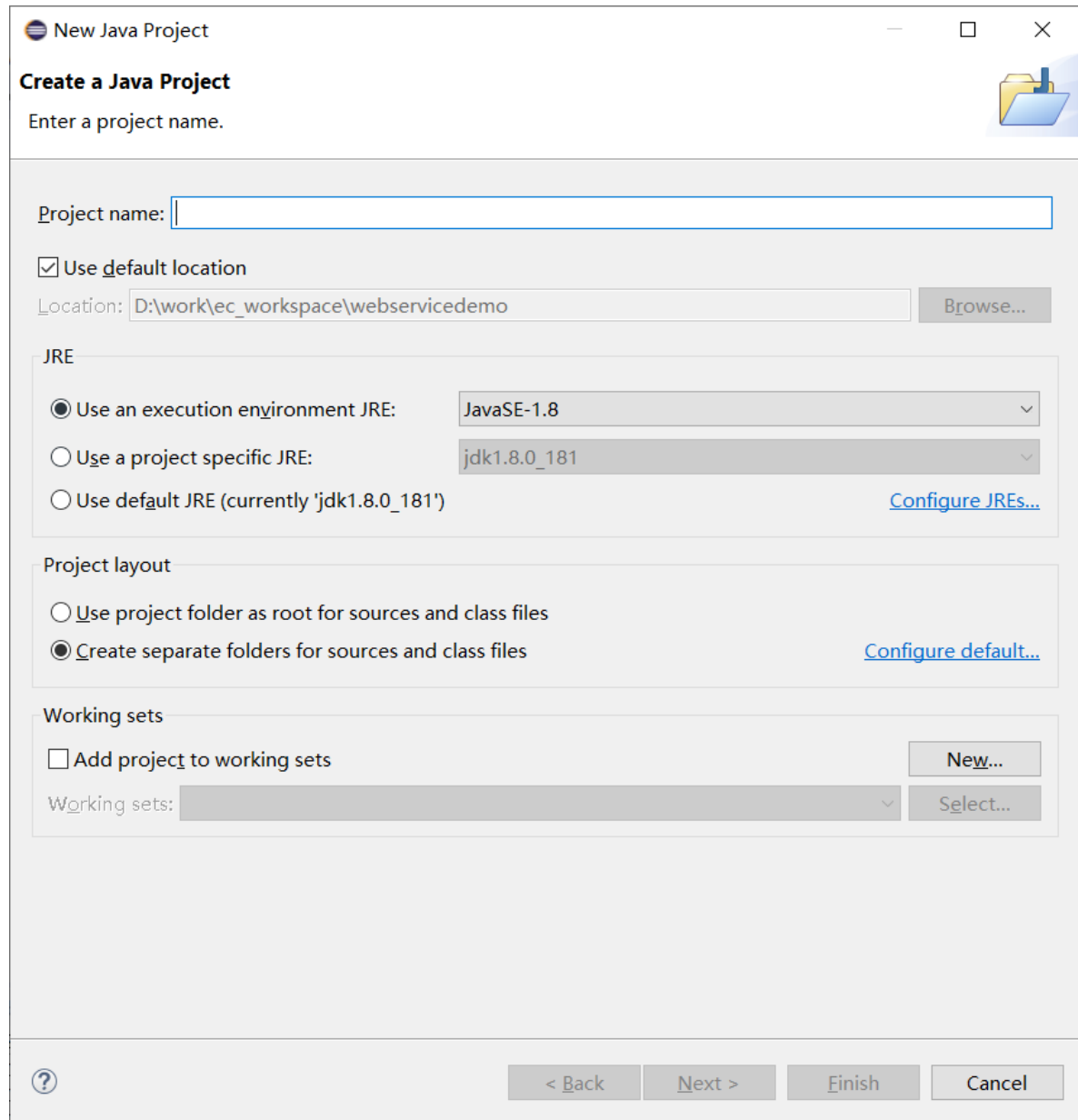
Eclipse JST Server Adapters (Apache Tomcat, JOnAS, J2EE) Luna

Marketplaces

< Back Install Now > Finish Cancel

2.3 创建webservice-client工程

2.3.1 webservice-client创建1-新建普通java项目



The screenshot shows the 'New Java Project' dialog box in the Eclipse IDE. The title bar reads 'New Java Project'. Below the title bar, there is a section 'Create a Java Project' with a folder icon. The main area contains several sections: 'Project name:' with a text input field; 'Use default location' checked, with a 'Location:' field showing 'D:\work\ec_workspace\webservicesdemo' and a 'Browse...' button; 'JRE' section with three radio buttons: 'Use an execution environment JRE:' (selected) with a dropdown showing 'JavaSE-1.8', 'Use a project specific JRE:' with a dropdown showing 'jdk1.8.0_181', and 'Use default JRE (currently 'jdk1.8.0_181')' with a 'Configure JREs...' link; 'Project layout' section with two radio buttons: 'Use project folder as root for sources and class files' and 'Create separate folders for sources and class files' (selected) with a 'Configure default...' link; 'Working sets' section with a checkbox 'Add project to working sets' and a 'New...' button, and a 'Working sets:' dropdown with a 'Select...' button. At the bottom, there is a help icon, and navigation buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

New Java Project

Create a Java Project

Enter a project name.

Project name:

☒ Use default location

Location:

JRE

☒ Use an execution environment JRE:

☐ Use a project specific JRE:

☐ Use default JRE (currently 'jdk1.8.0_181') [Configure JREs...](#)

Project layout

☐ Use project folder as root for sources and class files

☒ Create separate folders for sources and class files [Configure default...](#)

Working sets

☐ Add project to working sets

Working sets:

2.3.1 webservice-client创建2-利用javaEE工具,创建webservice-client

New

Select a wizard

Access an existing XML web service

Wizards:

type filter text

> Web

Web Services

Ant Files

Unit Test UDDI

Web Service

Web Service Client

WSDL File

?

< Back

Next >

Finish

Cancel

Web Service Client

Web Services

No server has been selected. The Web service client will not be deployed, installed, or run.

Service definition:


http://localhost:8080/webService/user?wsdl

Browse...

Client type:

Java Proxy

Deploy client



Configuration:

[Server runtime:](#)

[Web service runtime: Apache Axis \(Deprecated\)](#)

[Client project: webservice-client-builddemo](#)

☐ Monitor the Web service

?

< Back

Next >

Finish

Cancel

Web Service Client

Web Service Proxy Page

Select generate proxy if you want to generate proxy for your service.


☒ Generate proxy

Output folder

☐ Define custom mapping for namespace to package

Folder for proxy to be generated for the :

选择之前新建的Java工程

 < Back Next > Finish Cancel

- > JRE System Library [JavaSE-1.8]
- ▼ src
 - ▼ com.bokesoft.yigo2.ext.webservice.client.demo
 - ▼ ClientDemo2.java
 - > ClientDemo2
 - ▼ com.bokesoft.yigo2.ext.webservice.demo.intf
 - > User.java
 - > UserService.java
 - > UserServiceProxy.java
 - ▼ localhost
 - > UserServiceImplService.java
 - > UserServiceImplServiceLocator.java
 - > UserServiceImplServiceSoapBindingStub.java
- > Referenced Libraries
- web-service-client-demo

这2组为自动生成的webservice-client的代码

2.3.3 使用代理类,XXXstub调用RPC的API

```
15
16 public class ClientDemo2 {
17     public static void main(String[] args) throws IOException, ServiceException {
18         getUser("411001");
19         getUser("411002");
20         getAllUser();
21         sendUserData();
22     }
23
24     public static void getUser(String userId throws MalformedURLException, RemoteException, ServiceException {
25         URL url = new URL("http://localhost:8080/webservice/user?wsdl");
26         UserServiceImplServiceLocator service = new UserServiceImplServiceLocator();
27         UserServiceImplServiceSoapBindingStub stub = (UserServiceImplServiceSoapBindingStub) service.getUserServiceImplPort(ur
28         User user = stub.getUser(userId);
29         System.out.println("user:"+user.getUserId()+" "+user.getAge()+"");
30     }
31
32     public static void getAllUser() throws MalformedURLException, RemoteException, ServiceException {
33         URL url = new URL("http://localhost:8080/webservice/user?wsdl");
34         UserServiceImplServiceLocator service = new UserServiceImplServiceLocator();
35         UserServiceImplServiceSoapBindingStub stub = (UserServiceImplServiceSoapBindingStub) service.getUserServiceImplPort(ur
36         User[] users = stub.getAllUser();
37         for(User user:users) {
38             System.out.println("user:"+user.getUserId()+" "+user.getAge()+"");
39         }
40     }
41
42     public static void sendUserData() throws MalformedURLException, ServiceException, RemoteException {
43         URL url = new URL("http://localhost:8080/webservice/user?wsdl");
44     }
45 }
```

Console

<terminated> ClientDemo [Java Application] D:\work\developEnv\jdk1.8.0_181\bin\javaw.exe (2019年10月25日 下午3:38:20)

警告: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled

{"age": "20", "updateTime": 1571986106548, "userId": "411001", "userName": "zhansan"}

{"age": "30", "updateTime": 1571986106548, "userId": "411002", "userName": "lisi"}