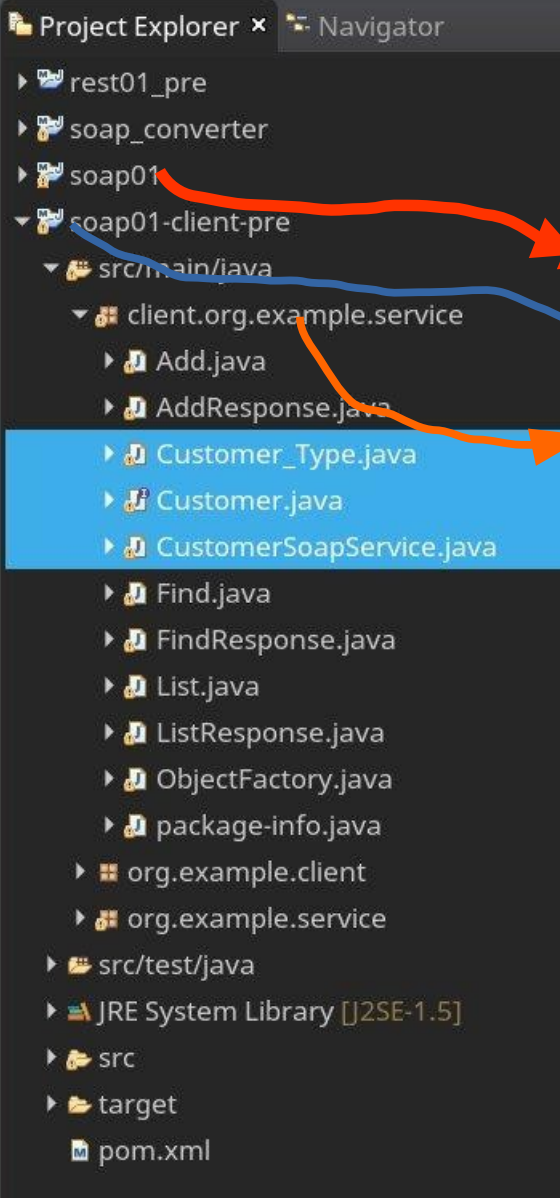


SOAP Exercise 02: Client / wsimport

soap01 service auf glassfish deployen

soap01-client in eclipse workspace erstellen

- mittels wsimport die client-artifacts erstellen (endpoint-address ?wsdl)
- client-artifacts überprüfen
- soap01-client ausprogrammieren



```
sirlordrobinson@sirlordrobinson-Lenovo-Yoga-2-Pro:~$ sudo su
[sudo] Passwort für sirlordrobinson:
root@sirlordrobinson-Lenovo-Yoga-2-Pro:/home/sirlordrobinson# cd
root@sirlordrobinson-Lenovo-Yoga-2-Pro:~# cd /opt/Home_Documents/EclipseN
eon_4.6.2_Bench/Neon_WebApp2_Bench/soap01-client-pre/src/main/java
root@sirlordrobinson-Lenovo-Yoga-2-Pro:/opt/Home_Documents/EclipseNeon_4.6.2_Bench/Neon_WebApp2_Bench/soap01-cl
ient-pre/src/main/java# wsimport -Xnocsscompile http://sirlordrobinson-lenovo-yoga-2-pro:8080/soap01/soap/customer
?wsdl
parsing WSDL...

Generating code...

root@sirlordrobinson-Lenovo-Yoga-2-Pro:/opt/Home_Documents/EclipseNeon_4.6.2_Bench/Neon_WebApp2_Bench/soap01-cl
ient-pre/src/main/java#
```

`/*http://stackoverflow.com/questions/8586206/what-is-stub-on-the-server-and-what-does-skeleton-mean*/`

`/* From client side the business objects communicates with stub objects and stub takes the responsibility form the message and invoke the webservice.
NOTE: STUB is an interface. */`

`/* In this example the Customer.java is STUB Interface that SoapClient business objects communicates through to get to the webservice. */`

- soap01-client ausprogrammieren

Eingeben: `wsimport -Xnocompile <WSDL_URI>`
Projekt im Eclipse refreshen

Neues Packet wurde hinzugefügt

▼ src/main/java
 ch.soapclient.business
 > org.example.service

Customer.java

*SoapClient.java

```
5 import org.example.service.Customer;
6 import org.example.service.CustomerSoapService;
7 import org.example.service.Customer_Type;
8
9 public class SoapClient {
10
11     //Step 1 Deklaration stub
12     private static Customer customer;
13
14     public static void main(String[] args) {
15
16         //Step 2 ServiceFactory erstellen
17         CustomerSoapService service = new CustomerSoapService();
18
19         //Step 3 stub obj aus ServiceFactory
20         customer = service.getCustomerPort();
21         List<Customer_Type> customers = customer.list();
22
23         System.out.println("Zeige alle Benutzer an");
24
25         for(Customer_Type cust:customers){
26             System.out.println("Name: " + cust.getFirstName() + "
27
28
```

Project Explorer x

Navigator

rest01_pre

soap_converter

soap01

▼ soap01-client-pre

▼ src/main/java

▼ client.org.example.service

▶ Add.java

▶ AddResponse.java

▶ Customer_Type.java

▶ Customer.java

▶ CustomerSoapService.java

▶ Find.java

▶ FindResponse.java

▶ List.java

▶ ListResponse.java

▶ ObjectFactory.java

▶ package-info.java

▶ org.example.client

▶ org.example.service