2022-2023

Département Mathématiques et Informatique GLSID 3 – S5

Web services SOAP, WSDL, UDDI avec JAXWS

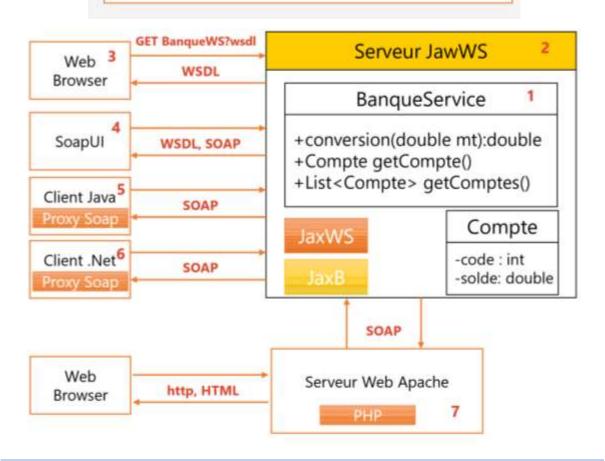
Rapport de devoir 1

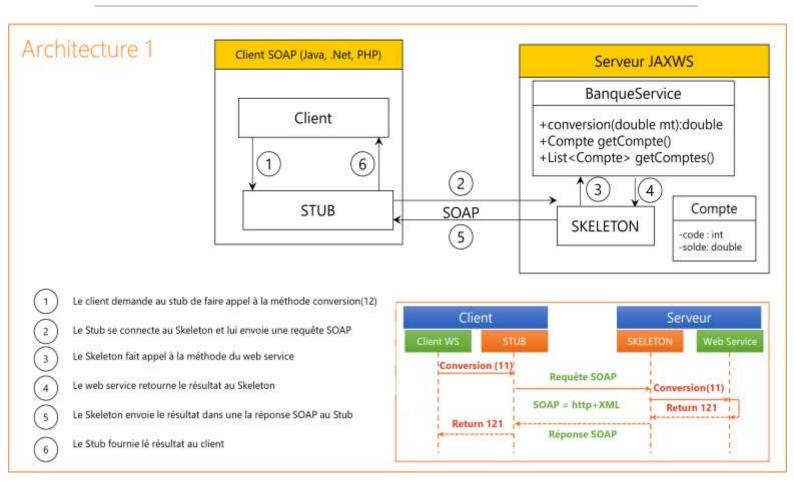


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Application

- Créer un Web service qui permet de :
 - · Convertir un montant de l'auro en DH
 - Consulter un Compte
 - Consulter une Liste de comptes
- 2. Déployer le Web service avec un simple Serveur JaxWS
- 3. Consulter et analyser le WSDL avec un Browser HTTP
- Tester les opérations du web service avec un outil comme SoapUI ou Oxygen
- Créer un Client SOAP Java
- 6. Créer un Client SOAP Dot Net
- Créer un Client SOAP PHP
- 8. Déployer le Web Service dans un Projet Spring Boot





La classe Compte:

```
package ws;
import java.util.Date;

public class Compte {
    private int code;
    private double solde;
    private Date dateCreation;

public Compte() {}
    public Compte(int code, double solde, Date dateCreation) {
        this.code = code;
        this.solde = solde;
        this.dateCreation = dateCreation;
    }

    public Date getDateCreation() {
        return dateCreation;
    }

    public double getSolde() {
        return solde;
    }

    public int getCode() {
        return code;
    }

    public void setCode(int code) {
```

```
this.code = code;
}

public void setDateCreation(Date dateCreation) {
    this.dateCreation = dateCreation;
}

public void setSolde(double solde) {
    this.solde = solde;
}
```

La classe BanqueService qui contient les méthodes :

La classe ServerJWS

```
import jakarta.xml.ws.Endpoint;
import ws.BanqueSErvice;

public class ServerJWS {
    public static void main(String[] args) {
        Endpoint.publish("http://0.0.0.0:9191/", new BanqueSErvice());
        System.out.println("Web service déployé sur
http://0.0.0.0:9191/");
    }
}
```

Sur le browser:

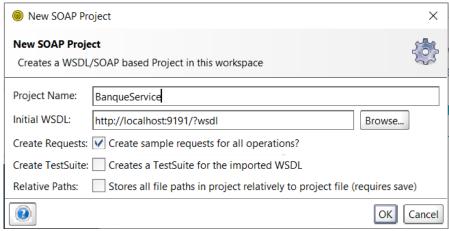


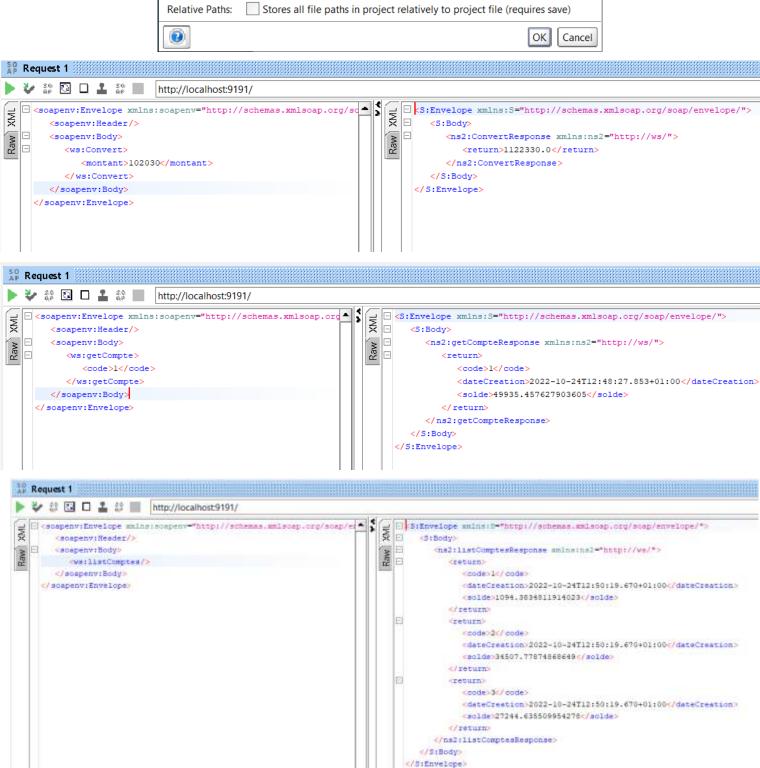


This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<definitions xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd"
 xmlns:wsp1_2="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:wsam="http://www.w3.org/2007/05/addressin
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://schemas.xmlsoap.org/wsd1/" targetNamespace="http
 ▼<types>
   ▼<xsd:schema>
       <xsd:import namespace="http://ws/" schemaLocation="http://localhost:9191/?xsd=1"/>
     </xsd:schema>
   </types>
  ▼<message name="Convert">
     <part name="parameters" element="tns:Convert"/>
   </message>
  ▼<message name="ConvertResponse">
     <part name="parameters" element="tns:ConvertResponse"/>
   </message>
  ▼<message name="getCompte">
     <part name="parameters" element="tns:getCompte"/>
   </message>
  ▼<message name="getCompteResponse">
     <part name="parameters" element="tns:getCompteResponse"/>
   </message>
 ▼<message name="listComptes">
     <part name="parameters" element="tns:listComptes"/>
   </message>
 ▼<message name="listComptesResponse">
     <part name="parameters" element="tns:listComptesResponse"/>
   </message>
  ▼<portType name="BanqueSErvice">
   ▼<operation name="Convert">
       <input wsam:Action="http://ws/BanqueSErvice/ConvertRequest" message="tns:Convert"/>
       <output wsam:Action="http://ws/BanqueSErvice/ConvertResponse" message="tns:ConvertResponse"/>
     </operation>
   ▼<operation name="getCompte">
       <input wsam:Action="http://ws/BanqueSErvice/getCompteRequest" message="tns:getCompte"/>
       <output wsam:Action="http://ws/BanqueSErvice/getCompteResponse" message="tns:getCompteResponse"/>
     </operation>
```

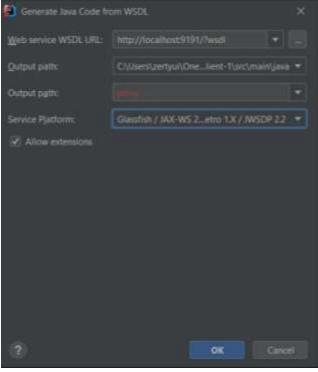
Test sur SOAP UI

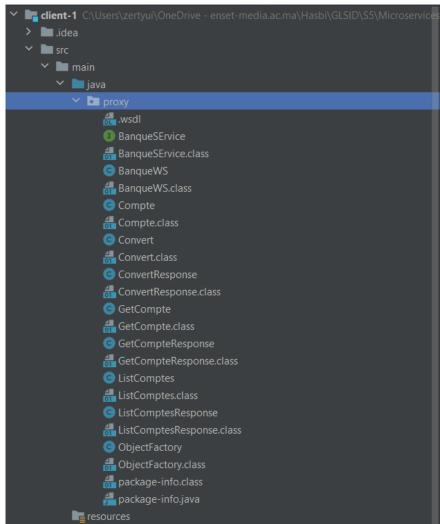




Client:

Génération de proxy





```
import proxy.BanqueSErvice;
import proxy.Compte;

public class Client {
    public static void main(String[] args) {
        BanqueSErvice stub = new BanqueWS().getBanqueSErvicePort();
        System.out.println(stub.convert( 5600));
        Compte cp=stub.getCompte(3);
        System.out.println(cp.getCode());
        System.out.println(cp.getSolde());
    }
}
```

