

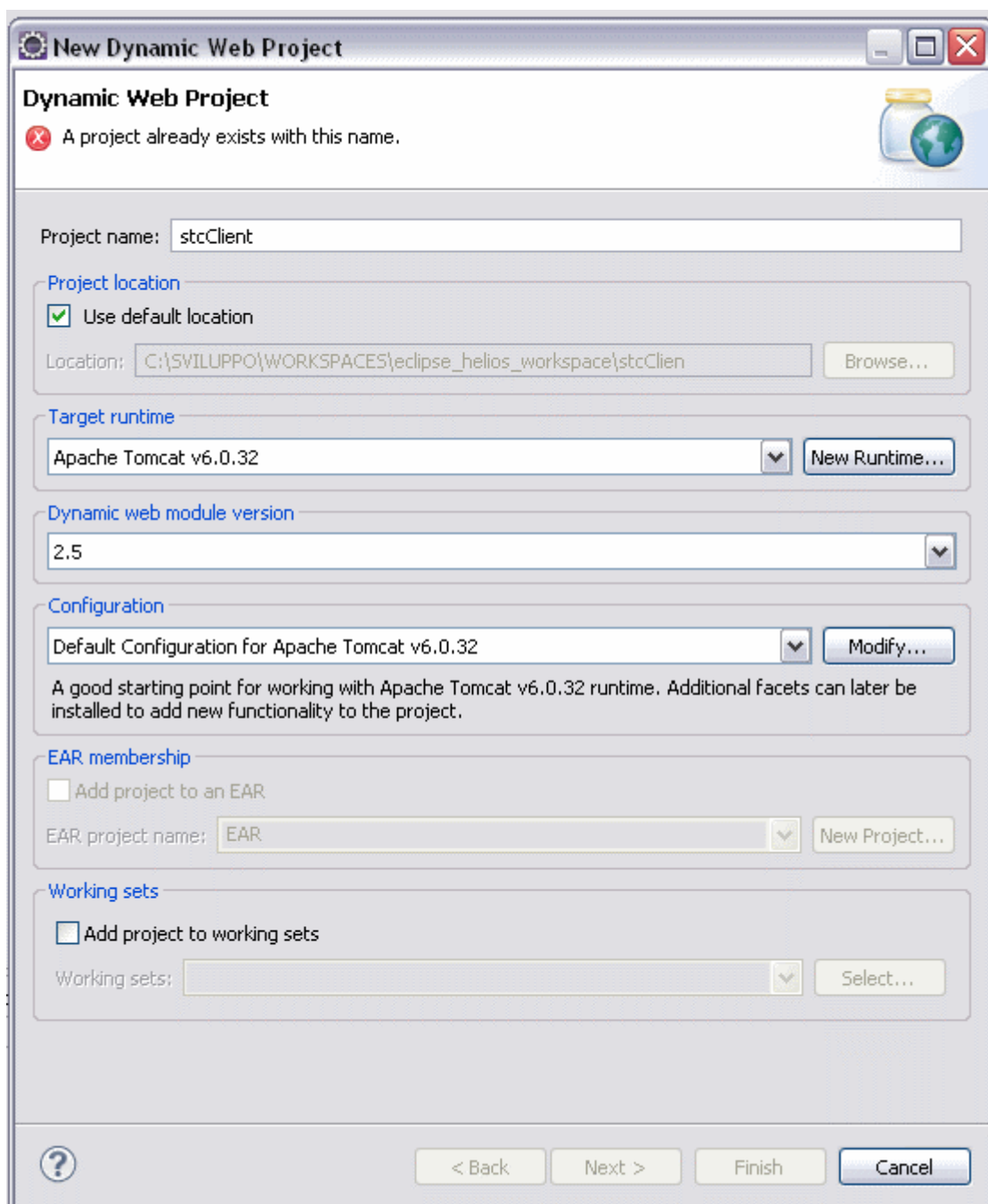
# Creazione di un nodo NLA in tecnologia JAVA

Software e framework utilizzati:

- IDE: Eclipse Helios
- JDK: 1.6
- AXIS2 1.6
- Tomcat: 6.0.32

Iter:

1. Creazione in Eclipse di un Dynamic Web Project (es. stcClient)



## 2. Creazione del Web Service NLA a partire dal wsdl esposto su STC

**Web Service**

**Web Services**

Select a service implementation or definition and move the sliders to set the level of service and client generation.

Web service type: Top down Java bean Web Service

Service definition: http://devel9:8080/stc/services/nla.wsdl Browse...

**Develop service**

Configuration:

- [Server runtime: Tomcat v6.0 Server](#)
- [Web service runtime: Apache Axis2](#)
- [Service project: stcClient](#)

**Client type:** Java Proxy

**No client**

Configuration: No client generation.

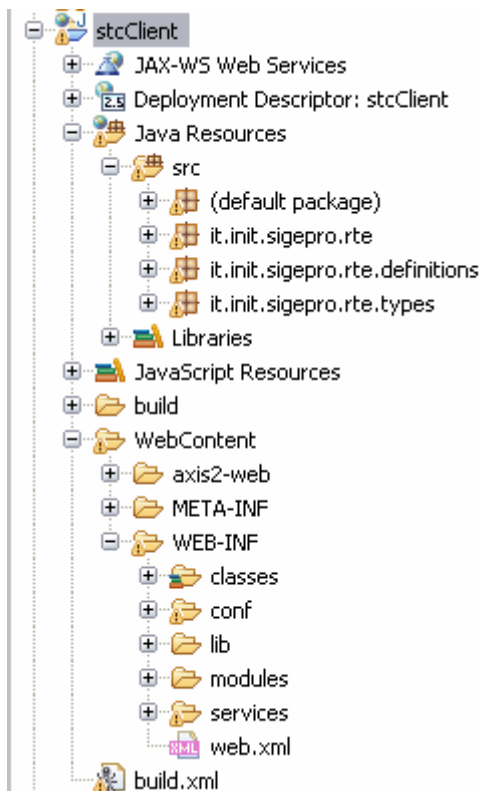
☐ Publish the Web service

☐ Monitor the Web service

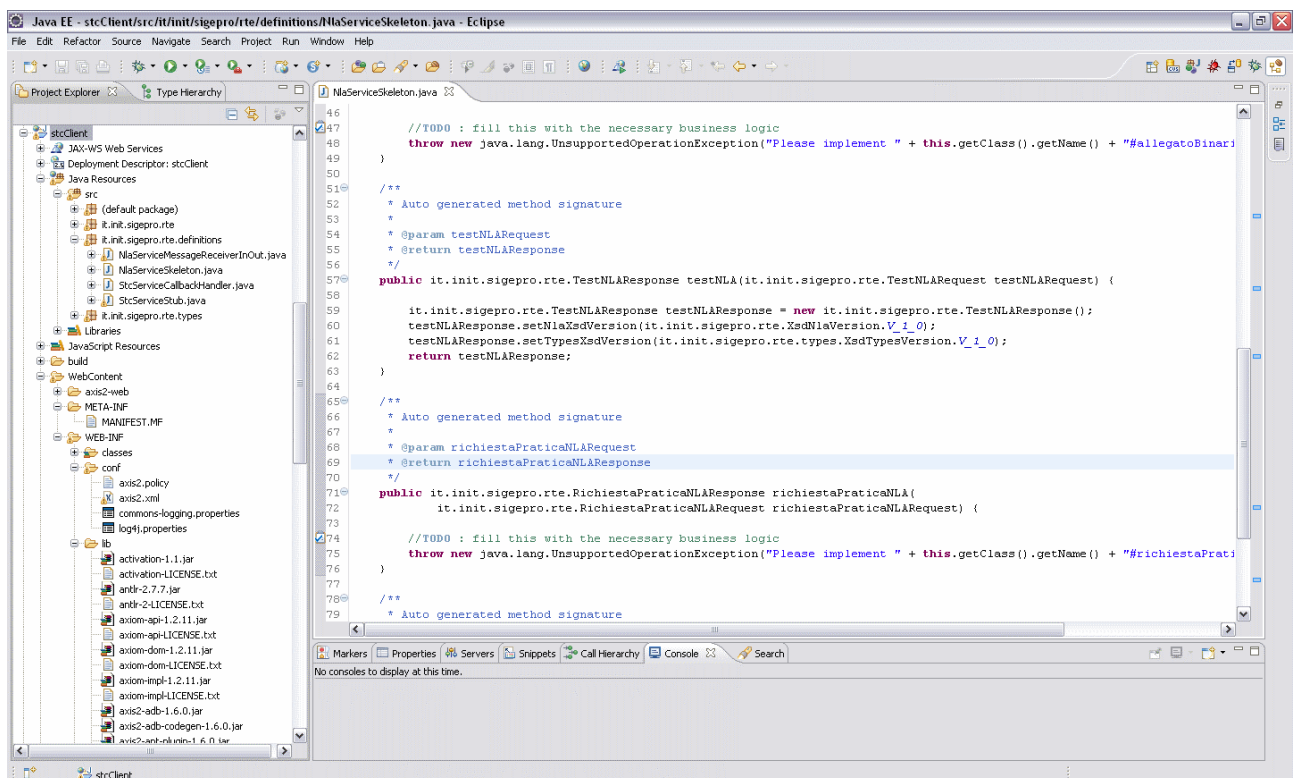
☒ Overwrite files without warning

? < Back Next > Finish Cancel

Dettaglio del progetto creato:



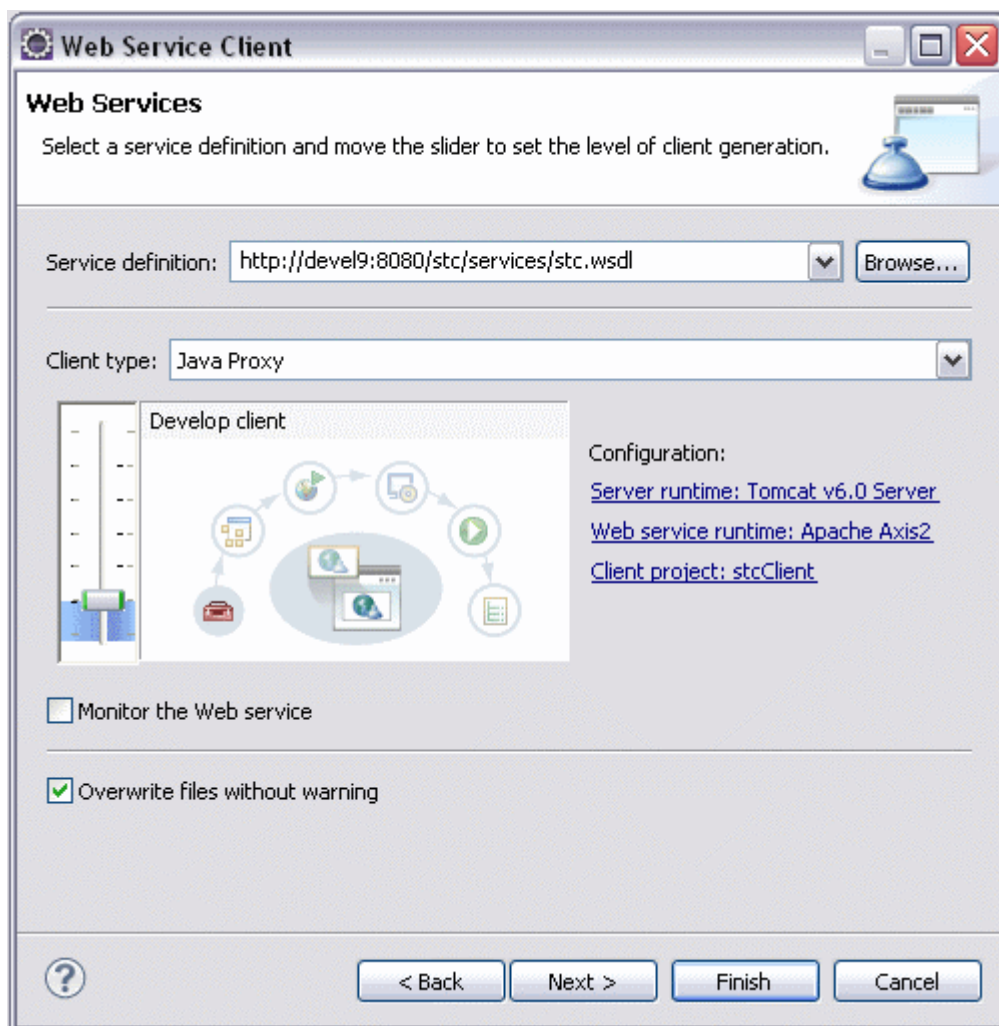
### 3. Implementazione dei metodi del WS creato (es. testNLA)



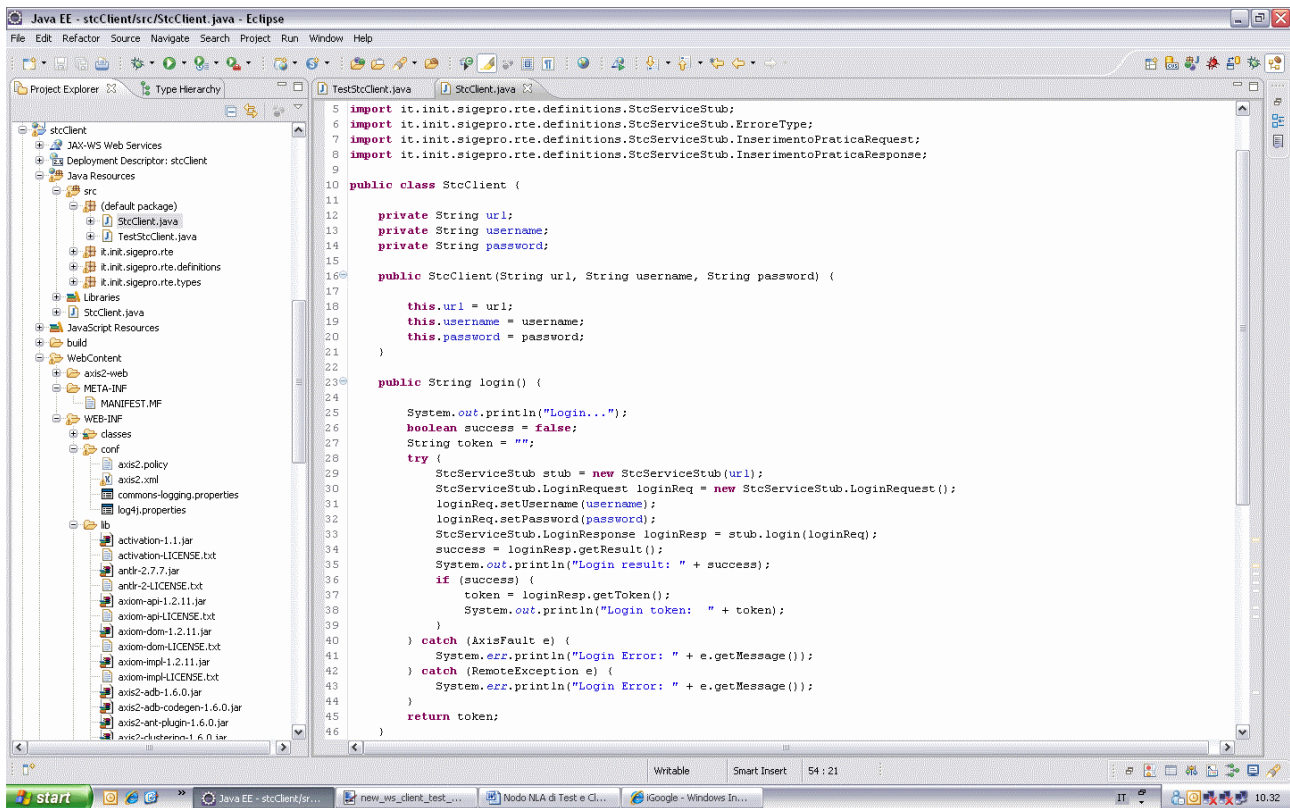
Dettaglio del metodo:

```
public it.init.sigepro.rte.TestNLAResponse testNLA(it.init.sigepro.rte.TestNLAResponse testNLAResponse) {  
  
    it.init.sigepro.rte.TestNLAResponse testNLAResponse = new it.init.sigepro.rte.TestNLAResponse();  
    testNLAResponse.setNlaXsdVersion(it.init.sigepro.rte.XsdNlaVersion.V_1_0);  
    testNLAResponse.setTypesXsdVersion(it.init.sigepro.rte.types.XsdTypesVersion.V_1_0);  
    return testNLAResponse;  
}
```

#### 4. Creazione del Web Service Client a partire dal wsdl esposto su STC



## 5. Creazione di una classe di test (StcClient)



Dettaglio del metodo login:

```
public String login() {

    System.out.println("Login...");
    boolean success = false;
    String token = "";
    try {
        StcServiceStub stub = new StcServiceStub(url);
        StcServiceStub.LoginRequest loginReq = new StcServiceStub.LoginRequest();
        loginReq.setUsername(username);
        loginReq.setPassword(password);
        StcServiceStub.LoginResponse loginResp = stub.login(loginReq);
        success = loginResp.getResult();
        System.out.println("Login result: " + success);
        if (success) {
            token = loginResp.getToken();
            System.out.println("Login token: " + token);
        }
    } catch (AxisFault e) {
        System.err.println("Login Error: " + e.getMessage());
    } catch (RemoteException e) {
        System.err.println("Login Error: " + e.getMessage());
    }
    return token;
}
```

## 6. Test del metodo login

### XML della richiesta SOAP

```
Request: localhost:9090
Size: 309 (528) bytes
Header: POST /stc/services HTTP/1.1
XML
<?xml version="1.0" encoding="http://schemas.xmlsoap.org/soap/envelope/" standalone="no"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Body>
<ns2:LoginRequest xmlns:ns2="http://sigepro.init.it/rte">
<ns2:username>BACKOFFICE</ns2:username>
<ns2:password>123</ns2:password>
</ns2:LoginRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### XML della risposta SOAP

```
Response: devel9:8080
Size: 354 (584) bytes
Header: HTTP/1.1 200 OK
XML
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header/>
<SOAP-ENV:Body>
<ns2:LoginResponse xmlns:ns2="http://sigepro.init.it/rte" xmlns:ns3="http://sigepro.init.it/rte/types">
<ns2:result>true</ns2:result>
<ns2:token>qdzcfvfhhbjyxnstgqlwblymqqtqxsha</ns2:token>
</ns2:LoginResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

### Dettaglio del metodo inserisciPratica:

```
public InserimentoPraticaResponse inserisciPratica(InserimentoPraticaRequest inserimentoPraticaRequest) {
    System.out.println("InserisciPratica...");
    InserimentoPraticaResponse inserimentoPraticaResponse = null;
    try {
        StcServiceStub stub = new StcServiceStub(url);
        inserimentoPraticaResponse = stub.inserimentoPratica(inserimentoPraticaRequest);
        if (inserimentoPraticaResponse.isDettaglioPraticaSpecified()) {
            System.out.println("id pratica: " + inserimentoPraticaResponse.getDettaglioPratica().getIdPratica());
            System.out.println("numero pratica: " + inserimentoPraticaResponse.getDettaglioPratica().getNumeroPratica());
        }
        if (inserimentoPraticaResponse.isDettaglioErroreSpecified()) {
            for (ErroreType err : inserimentoPraticaResponse.getDettaglioErrore()) {
                System.err.println("Error: " + err.getNumeroErrore() + " - " + err.getDescrizione());
            }
        }
    } catch (AxisFault e) {
        System.err.println("InserisciPratica Error: " + e.getMessage());
    } catch (RemoteException e) {
        System.err.println("InserisciPratica Error: " + e.getMessage());
    }
    return inserimentoPraticaResponse;
}
```



Test del metodo inserisciPratica:

## XML della richiesta SOAP

```
Request: localhost:9090
Size: 1452 (1684) bytes
Header: POST /stc/services HTTP/1.1
XML

<?xml version="1.0" encoding="http://schemas.xmlsoap.org/soap/envelope/" standalone="no"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Body>
    <ns2:InserimentoPraticaRequest xmlns:ns2="http://sigepro.init.it/rte">
      <ns2:token>qdzcfvfhbjyrxnstgqlwblymqtqtsha</ns2:token>
      <ns2:sportelloMittente>
        <ns1:idNodo xmlns:ns1="http://sigepro.init.it/rte/types">1000</ns1:idNodo>
        <ns1:idEnte xmlns:ns1="http://sigepro.init.it/rte/types">TEST</ns1:idEnte>
        <ns1:idSportello xmlns:ns1="http://sigepro.init.it/rte/types">TEST</ns1:idSportello>
      </ns2:sportelloMittente>
      <ns2:sportelloDestinatario>
        <ns1:idNodo xmlns:ns1="http://sigepro.init.it/rte/types">400</ns1:idNodo>
        <ns1:idEnte xmlns:ns1="http://sigepro.init.it/rte/types">E256</ns1:idEnte>
        <ns1:idSportello xmlns:ns1="http://sigepro.init.it/rte/types">CE</ns1:idSportello>
      </ns2:sportelloDestinatario>
      <ns2:dettaglioPratica>
        <ns1:idPratica xmlns:ns1="http://sigepro.init.it/rte/types">1</ns1:idPratica>
        <ns1:numeroPratica xmlns:ns1="http://sigepro.init.it/rte/types">1/2001</ns1:numeroPratica>
        <ns1:dataPratica xmlns:ns1="http://sigepro.init.it/rte/types">2011-09-05+02:00</ns1:dataPratica>
        <richiedente xmlns="http://sigepro.init.it/rte/types">
          <anagrafica>
            <codiceFiscale>MRCMND74H26D7860</codiceFiscale>
            <nome>MARCO</nome>
            <cognome>MANDO</cognome>
          </anagrafica>
        </richiedente>
        <ns1:oggetto xmlns:ns1="http://sigepro.init.it/rte/types">COLLAUDO</ns1:oggetto>
      </ns2:dettaglioPratica>
    </ns2:InserimentoPraticaRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## XML della risposta SOAP

```
Response: devel9:8080
Size: 478 (708) bytes
Header: HTTP/1.1 200 OK
XML

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <ns2:InserimentoPraticaResponse xmlns:ns2="http://sigepro.init.it/rte" xmlns:ns3="http://sigepro.init.it/rte/types">
      <ns2:dettaglioPratica>
        <ns3:idPratica>1698</ns3:idPratica>
        <ns3:numeroPratica>26/2011/LR13</ns3:numeroPratica>
        <ns3:dataPratica>2011-09-05+02:00</ns3:dataPratica>
      </ns2:dettaglioPratica>
    </ns2:InserimentoPraticaResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```