

### Consumindo WebService do Correios

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### Preparando Projeto Java/Maven

Criar um projeto Java/Maven com as seguintes definições:

groupld: ifmt.cba

artifactId: cliente-correios

version: 1.0-SNAPSHOT

#### Link do WSDL do Correios:

https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl

## Alterando o arquivo POM (1)

### Configure o arquivo pom.xml conforme listagem a seguir:

```
<?xml version="1.0" encoding="UTF-8"?>
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
   <modelVersion>4.0.0</modelVersion>
   <aroupld>ifmt.cba</aroupld>
   <artifactId>cliente - correios</artifactId>
   <version>1.0-SNAPSHOT
   <name> cliente - correios < /name>
   <!-- FIXME change it to the project's website -->
   <url>http://www.example.com</url>
   cproperties>
     17
     <mayen.compiler.source>1.7</mayen.compiler.source>
18
     <maven.compiler.target>1.7</maven.compiler.target>
19
   </properties>
  <dependencies>
     <dependency>
       <aroupld>iunit </aroupld>
      <artifactId > junit </artifactId >
      <version >4.11 </version >
      <scope>test </scope>
     </dependency>
     <dependency>
```

# Alterando o arquivo POM (2)

```
<groupId>jakarta.xml.ws
       <artifactld > jakarta.xml.ws-api </artifactld >
31
32
33
34
35
36
       <version > 3.0.0 
     </dependency>
     <dependency>
       <aroupld>com.sun.xml.ws</aroupld>
37
       <artifactId >jaxws-rt </artifactId >
38
39
       <version > 3.0.0 </version >
     </dependency>
40
41
     <dependency>
42
       <groupId>com.sun.xml.ws</groupId>
43
       <artifactId >iaxws-ri </artifactId >
44
       <version > 3.0.0 </version >
45
       <type>pom</type>
46
47
     </dependency>
48
49
     </dependencies>
50
     <build>
51
       <plugins>
52
         <plugin>
53
54
55
56
57
           <groupId>org.apache.maven.plugins</groupId>
           <artifactld >mayen-compiler-plugin </artifactld >
           <version > 3.7.0 
         </pluain>
58
59
         <plugin>
           <groupId>com.sun.xml.ws</groupId>
60
           <artifactld >iaxws-mayen-plugin </artifactld >
           <version > 3.0.0 /version >
```

# Alterando o arquivo POM (3)

```
<executions>
63
64
             <execution>
               <goals>
65
66
67
                 <goal>wsimport </goal>
                </goals>
             </execution>
68
           </executions>
69
           <configuration >
             <wsdlUrls>
               <wsdlUrl>https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl</wsdlUrl>
             </wsdlUrls>
             <keep>true </keep>
             <packageName>ifmt.cba.servico</packageName>
             <sourceDestDir>src/main/java</sourceDestDir>
           </configuration>
         </plugin>
       </plugins>
     </build>
   </project>
```

## Alterando o arquivo POM (1)

Use as informações a seguir para implementar a chamada de consulta de CEP:

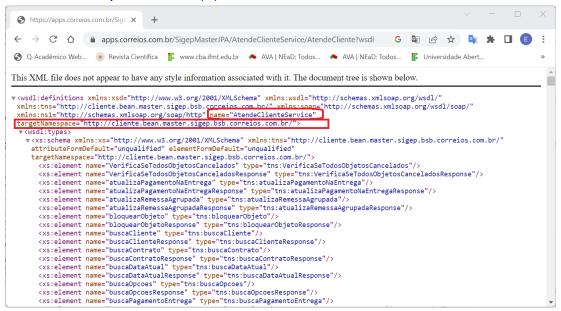
#### Link do WSDL do Correios:

https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl

targetNamespace = "http://cliente.bean.master.sigep.bsb.correios.com.br/"

serviceName = "AtendeClienteService"

## Alterando o arquivo POM (2)



## Codificando o Cliente (1)

```
package ifmt.cba;
  import java.net.MalformedURLException:
  import java.net.URL:
  import javax.xml.namespace.QName;
  import_ifmt.cba.servico.AtendeCliente:
  import ifmt.cba.servico.EnderecoERP;
  import ifmt.cba.servico.SQLException Exception:
  import ifmt.cba.servico.SigepClienteException;
  import jakarta.xml.ws.Service;
  public class App {
      public static void main(String[] args) {
16
         URL url:
17
          try {
              url = new URL("https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl");
              QName gname = new QName("http://cliente.bean.master.sigep.bsb.correios.com.br/", "AtendeClienteService");
              Service service = Service.create(url.gname):
              AtendeCliente correios = service.getPort(AtendeCliente.class);
              EnderecoERP endereco = correios.consultaCEP("78005200");
              System.out.println("-----");
              System.out.println("Cidade..: " +endereco.getCidade());
              System.out.println("Bairro..: " +endereco.getBairro());
              System.out.println("UF.....: " +endereco.getUf());
              System.out.println("Endereco: " +endereco.getEnd()):
```

## Codificando o Cliente (2)

```
System.out.println("----");
} catch (MalformedURLException e) {
   e.printStackTrace();
} catch (SQLException_Exception e) {
   e.printStackTrace();
} catch (SigepClienteException e) {
   e.printStackTrace();
```