



Consumindo WebService do Correios

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Preparando Projeto Java/Maven

Criar um projeto Java/Maven com as seguintes definições:

`groupId`: 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:

```
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5   <modelVersion>4.0.0</modelVersion>
6
7   <groupId>ifmt.cba</groupId>
8   <artifactId>cliente-correios</artifactId>
9   <version>1.0-SNAPSHOT</version>
10
11   <name>cliente-correios</name>
12   <!-- FIXME change it to the project's website -->
13   <url>http://www.example.com</url>
14
15   <properties>
16     <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17     <maven.compiler.source>1.7</maven.compiler.source>
18     <maven.compiler.target>1.7</maven.compiler.target>
19   </properties>
20
21   <dependencies>
22     <dependency>
23       <groupId>junit</groupId>
24       <artifactId>junit</artifactId>
25       <version>4.11</version>
26       <scope>test</scope>
27     </dependency>
28
29     <dependency>
```

Alterando o arquivo POM (2)

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

Alterando o arquivo POM (3)

```
62     <executions>
63       <execution>
64         <goals>
65           <goal>wsimport </goal>
66         </goals>
67       </execution>
68     </executions>
69     <configuration>
70       <wsdlUrls>
71         <wsdlUrl>https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl</wsdlUrl>
72       </wsdlUrls>
73       <keep>true </keep>
74       <packageName>ifmt.cba.servico </packageName>
75       <sourceDestDir>src/main/java </sourceDestDir>
76     </configuration>
77   </plugin>
78 </plugins>
79 </build>
80 </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)

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

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

```
<?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://cliente.bean.master.sigep.bsb.correios.com.br/" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:ns1="http://schemas.xmlsoap.org/soap/http" name="AtendeClienteService"
  targetNamespace="http://cliente.bean.master.sigep.bsb.correios.com.br/">
  <wsdl:types>
    <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://cliente.bean.master.sigep.bsb.correios.com.br/"
      attributeFormDefault="unqualified" elementFormDefault="unqualified"
      targetNamespace="http://cliente.bean.master.sigep.bsb.correios.com.br/">
      <xs:element name="VerificaSeTodosObjetosCancelados" type="tns:VerificaSeTodosObjetosCancelados"/>
      <xs:element name="VerificaSeTodosObjetosCanceladosResponse" type="tns:VerificaSeTodosObjetosCanceladosResponse"/>
      <xs:element name="atualizaPagamentoNaEntrega" type="tns:atualizaPagamentoNaEntrega"/>
      <xs:element name="atualizaPagamentoNaEntregaResponse" type="tns:atualizaPagamentoNaEntregaResponse"/>
      <xs:element name="atualizaRemessaAgrupada" type="tns:atualizaRemessaAgrupada"/>
      <xs:element name="atualizaRemessaAgrupadaResponse" type="tns:atualizaRemessaAgrupadaResponse"/>
      <xs:element name="bloquearObjeto" type="tns:bloquearObjeto"/>
      <xs:element name="bloquearObjetoResponse" type="tns:bloquearObjetoResponse"/>
      <xs:element name="buscaCliente" type="tns:buscaCliente"/>
      <xs:element name="buscaClienteResponse" type="tns:buscaClienteResponse"/>
      <xs:element name="buscaContrato" type="tns:buscaContrato"/>
      <xs:element name="buscaContratoResponse" type="tns:buscaContratoResponse"/>
      <xs:element name="buscaDataAtual" type="tns:buscaDataAtual"/>
      <xs:element name="buscaDataAtualResponse" type="tns:buscaDataAtualResponse"/>
      <xs:element name="buscaOpcoes" type="tns:buscaOpcoes"/>
      <xs:element name="buscaOpcoesResponse" type="tns:buscaOpcoesResponse"/>
      <xs:element name="buscaPagamentoEntrega" type="tns:buscaPagamentoEntrega"/>
    </xs:schema>
  </wsdl:types>
</wsdl:definitions>
```

Codificando o Cliente (1)

```
1 package ifmt.cba;
2
3 import java.net.MalformedURLException;
4 import java.net.URL;
5
6 import javax.xml.namespace.QName;
7
8 import ifmt.cba.servico.AtendeCliente;
9 import ifmt.cba.servico.EnderecoERP;
10 import ifmt.cba.servico.SQLException_Exception;
11 import ifmt.cba.servico.SigepClienteException;
12 import jakarta.xml.ws.Service;
13
14 public class App {
15     public static void main(String[] args) {
16         URL url;
17         try {
18             url = new URL("https://apps.correios.com.br/SigepMasterJPA/AtendeClienteService/AtendeCliente?wsdl");
19             QName qname = new QName("http://cliente.bean.master.sigep.bsb.correios.com.br/", "AtendeClienteService");
20
21             Service service = Service.create(url, qname);
22
23             AtendeCliente correios = service.getPort(AtendeCliente.class);
24
25             EnderecoERP endereco = correios.consultaCEP("78005200");
26
27             System.out.println("-----");
28             System.out.println("Cidade.. : " + endereco.getCidade());
29             System.out.println("Bairro.. : " + endereco.getBairro());
30             System.out.println("UF..... : " + endereco.getUf());
31             System.out.println("Endereco: " + endereco.getEnd());
```


Codificando o Cliente (2)

```
32         System.out.println("-----");
33
34
35     } catch (MalformedURLException e) {
36         e.printStackTrace();
37     } catch (SQLException_Exception e) {
38         e.printStackTrace();
39     } catch (SigepClienteException e) {
40         e.printStackTrace();
41     }
42
43 }
44 }
```