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Blog?

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What?

The AndroidSOAP is a "yet another" SOAP client for Android platform, it is compatible with 1.5+ versions and uses Reflection API.

> But... this is only a **proof-of-concept** library, I've tested it with JBoss WebService stack, see and/or try the example.

Why?

Using AndroidSOAP is a very easy way to call SOAP services, because it is based on JAX-WS interfaces. You can use all interfaces that the 'wsimport' generates from the WSDL.

How?

```
/**
 * Creates a request, it is a JAX-WS generated class
 */
ListSkinPacksRequest request = new ListSkinPacksRequest();

/**
 * Put it into a 'request' map
 */
Map<String, Object> parameters = new HashMap<String, Object>();
parameters.put("request", request);

/**
 * Create an envelope with namespace and create a body with operation name 'listSkinPacks'
 */
Envelope envelope = new SimpleEnvelope("http://skinpack.pop.javaforum.hu/");
envelope.setHeader(new SimpleHeader());
envelope.setBody(new SimpleBody("listSkinPacks", parameters));

/**
 * Creates a transport (HTTP or HTTPS) with an optional username/password
 */
HttpsTransport transport = new HttpsTransport("https://services.power.of.planets.hu/PoP-SkinPack-remote
/listSkinPacks",
    "androidsoap.demo@javaforum.hu", "demopassword");
/**
 * Set the 'trust all' flag, if necessary
 */
transport.setTrustAll(Boolean.TRUE);

/**
 * Call a service, the result arrives into the JAX-WS class
 */
ListSkinPacksResponse response = transport.call(envelope, ListSkinPacksResponse.class);

/**
 * You can use the result as a normal bean
 */
for (SkinPackMetadata metadata : response.getReturn().getSkinPacksList())
{
  String fileName = metadata.getFileName();
  String name = metadata.getName();
}
```

Can you see? The lists are lists, the classes are classes, the values are in the properties, just like in the JAX-WX client... 🙂

If any field has XmlElement annotation in the generated source, you need add jaxb-api into your Android project, like this:

```
<dependency>
  <groupId>javax.xml.bind</groupId>
  <artifactId>jaxb-api</artifactId>
  <version>2.2.6</version>
  <scope>compile</scope>
</dependency>
```

And add coreLibrary into the configuration of the android-maven-plugin:

```
<dex>
  <coreLibrary>true</coreLibrary>
</dex>
```

Where?

Source: http://svn.javaforum.hu/svn/android/AndroidSOAP/trunk/

Wiki: http://wiki.javaforum.hu/display/ANDROIDSOAP/Home

Issues: http://traq.javaforum.hu/browse/ANDROIDSOAP

Example APK: http://nexus.javaforum.hu/nexus/content/repositories/releases/hu/javaforum/android/androidsoap/AndroidSOAP-example/0.0.5/AndroidSOAP-example-0.0.5.apk

Tutorial?

Step by step tutorial with Maven3 project: Step by Step Tutorial

Patches and feature requests?

If you have a patch, don't hesitate, send me as fast you can... 🙂

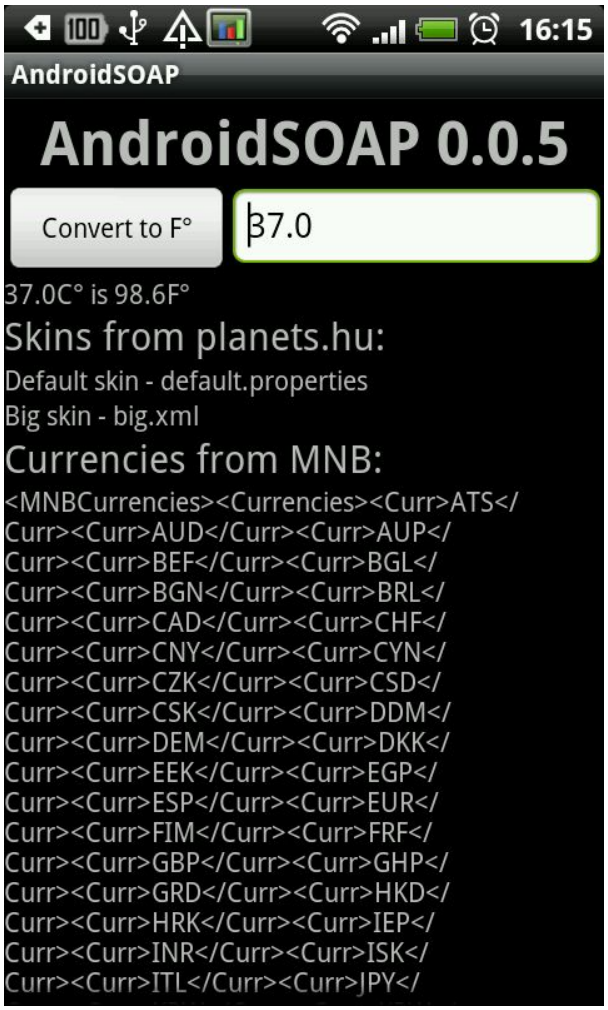
If you need a feature, create an issue... 🙂

If I'm not using Maven?

The entire project (with dependencies) managed by Maven, if you aren't using Maven, you need some jars to add your project's CLASSPATH:

- slf4j-android-1.6.1-RC1.jar or above
- commons-codec-1.3.jar exactly
- javaforum20-commons-1.0.2.jar or above
- AndroidSOAP-lib-0.0.5.jar or above
- validation-api-1.1.0.Alpha1.jar exactly

Example screenshot


16:15
AndroidSOAP
AndroidSOAP 0.0.5
Convert to F°
37.0
37.0C° is 98.6F°
Skins from planets.hu:
Default skin - default.properties
Big skin - big.xml
Currencies from MNB:
<MNBCurrencies><Currencies><Curr>ATS</
Curr><Curr>AUD</Curr><Curr>AUP</
Curr><Curr>BEF</Curr><Curr>BGL</
Curr><Curr>BGN</Curr><Curr>BRL</
Curr><Curr>CAD</Curr><Curr>CHF</
Curr><Curr>CNY</Curr><Curr>CYN</
Curr><Curr>CZK</Curr><Curr>CSD</
Curr><Curr>CSK</Curr><Curr>DDM</
Curr><Curr>DEM</Curr><Curr>DKK</
Curr><Curr>EEK</Curr><Curr>EGP</
Curr><Curr>ESP</Curr><Curr>EUR</
Curr><Curr>FIM</Curr><Curr>FRF</
Curr><Curr>GBP</Curr><Curr>GHP</
Curr><Curr>GRD</Curr><Curr>HKD</
Curr><Curr>HRK</Curr><Curr>IEP</
Curr><Curr>INR</Curr><Curr>ISK</
Curr><Curr>ITL</Curr><Curr>JPY</