

ETICS WS Stubs for Python

Creation of Python client implementation to access ETICS Webservice

ETICS client accesses ETICS webservice and for this it needs an implementation of the SOAP client specific for this webservice. ZSI is used both to generate the stubs and to send SOAP messages.

Currently ETICS uses **ZSI v1.7.0**. Its package includes the binary **wsdl2py.py** (in bin/), which is used to generate the stubs from the description of the webservice - a wsdl file.

Because of the way the webservice is implemented and is organized in packages (in Java), the wsdl generated from it contains schemas with circular dependencies. To solve this, edit the BuildSystemService.wsdl. You can find in it 3 schemas corresponding to 3 namespaces: urn:BuildSystemWebServerV1, <http://exception.buildsystem.etics.org> and <http://operations.buildsystem.etics.org>. All the three import the other 2 namespaces, leading to circular imports. Keep the imports of urn:BuildSystemWebServerV1 but *remove the imports from <http://exception.buildsystem.etics.org> and <http://operations.buildsystem.etics.org> *. To accomplish this, just remove these 2 lines from those 2 schemas:

```
<import namespace="http://exception.buildsystem.etics.org"/>
<import namespace="http://operations.buildsystem.etics.org"/>
```

After that, you can generate the stubs:

```
python wsdl2py.py -f BuildSystemService.wsdl
```

The files BuildSystemServiceService_services_types.py and BuildSystemServiceService_services.py should be successfully generated. To use it in ETICS client, they are placed in WebClient/.