SMART ACCESS PYTHON BINDING USER MANUAL

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API VERSION:
TODO 1.0.0

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CONTENT

1 Smart Access Python Binding

The Smart Access Python Bindings allow you to use Smart Access in python. For general information on Smart Access, see use_manual.pdf. The smart access python binding contain a python module for smart access api and one module for each user interface. The python module are in the lib folder.

1.1 Supported python versions

The bindings are dependent on the Python version, the os system and the architecture. The following combinations are currently supported:

os system	architecture	python version
Windows	x86_64	3.8
Linux	x86_64	3.7
Linux	armv8	3.7

1.2 First steps

Before using Smart Access Python Binding, make sure that Smart Access is configured and the example is working fine. The example app shows all coneccted clients and sends an status request (instruction) to the given client.

1. Configure Smart Access. For the Smart Access configuration look into the Smart Access user manual (user_manual.pdf) documentation.
2. Configure python enviroment.
   (a) Windows: Copy the smart access libs from the lib folder into example folder
   (b) Linux: Add the smart access libs to LD_LIBRARY_PATH and add lib directiory to enviroment variabel PYTHONPATH
3. Execute example app with python smart_access_example.py <Sensor_Client_ID>

1.3 Python Binding API

The Api is the similar to the Smart Access API. The API documentation can be viewed as follows:

```
import smart_access_binding as smart_access

print(help(smart_access))
# for a class
print(help(smart_access.InstructionServiceIface))
```

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