

INSTALLATION AND DEPENDENCIES

LINUX / UNIX USERS

The following packages shall be installed in order to run the module:

- *Python 2.7* or higher
- PycURL
- Paramiko
- Cryptography

The recommended way to install the required packages is via the package manager of the distribution.

CentOS:

```
yum install python-pycurl python-paramiko python-cryptography
```

Debian/Ubuntu:

```
apt-get install python-pycurl python-paramiko python-cryptography
```

You can also install the required packages using pip (on any other distribution, or if you prefer having the most recent version):

```
pip install pycurl paramiko cryptography
```

WINDOWS USERS

The following packages shall be installed in order to run the module:

- *Python 2.7* or higher
- PycURL
- Paramiko
- Cryptography

In order to install them, the following steps shall be followed.

1. Python 2.7 or a higher version shall be installed e.g. from the official web-page: <https://www.python.org/downloads/>
2. It's recommended to add the path where Python is installed to the environment variables (more information about this can be found here: <https://docs.python.org/2/using/windows.html#excursus-setting-environment-variables>).

In order to perform this action on Windows 10:

- Access the “Advanced system Settings” through right click on the start button, choosing “System”.
- Entering the “Environmental Variables” section and in “System Variables” select “Path”
- Two new paths shall be added: select “New” and insert the following paths:
 - *<installationPythonPath>* (for instance: C:Python27)
 - *<installationPythonPath/Scripts>* (for instance: C:Python27/Scripts)

Once these paths are added, python scripts and modules, can be called directly from command line.

3. The module *pip* has to be installed. It is a tool, necessary for windows users, in order to install packages on Python.

It can be downloaded from the following link, selecting “save link as” on the file *get-pip.py*: <https://pip.pypa.io/en/latest/installing/>

4. The script *get-pip.py* has to be run from Python. It can be done via command line:

```
python get-pip.py
```

This instruction shall be launched, from the folder where the file *get-pip.py* was saved.

5. The packages PycURL and Paramiko can be installed through the following instructions, typed via command line:

```
pip install paramiko
pip install pycurl
pip install cryptography
```

As an alternative, steps four and five can be executed via a batch file, *eoudat_pip.bat*. For the batch file to work, Python 2.7 or higher must already be installed, as well as the script *get-pip.py* and the file *packages.txt* available. *eoudat_pip.bat*, once executed, performs the following tasks:

1. *python get-pip.py*
2. *python -m pip install -U pip*
3. *pip install -U -r packages.txt*

The batch file installs the *pip* module (1.); in case *pip* is already available on the system, it checks if the version is up-to-date (2.); it installs the three necessary packages *PycURL*, *Paramiko* and *Cryptography* (3.).