

About

usm_observer - external module for ERP USERSIDE. The module monitors various parameters of the active equipment using the SNMP protocol.

Install

Environment

Linux

Debian, Ubuntu and other based on Debian

- Install **Python3**:

```
apt-get install python3
```

- Install **pip3**:

```
python3 -m ensurepip
```

or

```
apt-get install python3-pip
```

CentOS

- Install **Python3** and **pip3**:

```
yum -y install yum-utils
yum -y groupinstall development
yum -y install https://centos7.iuscommunity.org/ius-release.rpm
yum -y install python36u
yum -y install python36u-pip
```

Next, everywhere, instead of **python3**, you should use **python3.6** and instead of **pip3**, you should use **pip3.6**.

FreeBSD

- Install **Python3**:

```
pkg install python3
```

- Install **pip3**:

```
python3 -m ensurepip
```

Module

- Copy the archive to the modules directory and unpack (X.X.X - version number):

```
unzip usm_observer-vX.X.X.zip
rm usm_observer-vX.X.X.zip
cd usm_observer
```

- Update package manager:

```
pip3 install --upgrade pip
```

- Install requirements:

```
pip3 install -r requirements.txt
```

- If this is the initial installation, copy the configuration file from example:

```
cp settings.ini-example settings.ini
```

- Edit the **settings.ini**:
 - in the **api** section set the USERSIDE URL and API-Key
 - in the **log** session set the path to create logfile and loglevel

Test run

Run once the module manually:

```
python3 usm_observer.py
```

There should be no errors at startup either in the console or in the logs.

If there are errors, fix them and start them manually again.

If there are no errors, set to start automatically by the crontab.

Scheduled run (crontab)

Add to crontab this entry:

```
*/2 * * * * root python3 /path/to/module/usm_observer.py >>
/var/log/userside/usm_observer_cron.log
2>>/var/log/userside/usm_observer_cron_error.log
```

Instead of the path `/var/log/userside`, enter your real log path as specified in the **settings.ini**.

Make sure that the module is started by the cron normally.

You may have to add a **path to python3** in crontab file, or specify the **full path** instead of `python3`.

Logrotate

Linux

Use the **logrotate** service.

Create the file `/etc/logrotate.d/userside`, if it does not already exist, and add the following lines to it:

```
/var/log/userside/*.log {
    rotate 7
    daily
    compress
    delaycompress
    missingok
    notifempty
}
```

FreeBSD

Use the **newsyslog** service.

Create the file `/usr/local/etc/newsyslog.conf.d/userside`, if it does not already exist, and add the following lines to it:

```
/var/log/userside/*.log          644  7      *      @T00  GJC
```