Sparvio Toolbox Windows installation

Unzip the toolbox zip file to a directory of your choice. Some additional software packages may be needed, as listed below.

STM32 COM port driver

This is not needed for most systems so only install it if SA1 is not detected. Compatible with Windows® 98SE, 2000, XP, Vista®, 7, and 8.x.

Download and run the installation of Virtual COM port driver matching your system:

System	Link
Windows 7, 32-bit	http://sparv.io/VCP_V1.5.0_Setup_W7_x86_32bits.exe
Windows 8/10, 32-bit	http://sparv.io/VCP_V1.5.0_Setup_W8_x86_32bits.exe
Windows 7, 64-bit	http://sparv.io/VCP_V1.5.0_Setup_W7_x64_64bits.exe
Windows 8/10, 64-bit	http://sparv.io/VCP_V1.5.0_Setup_W8_x64_64bits.exe

Python 3

Sparvio Toolbox is compatible with Python 3.7 and later.

Install from https://www.python.org/downloads/

Using pip

```
python -m pip install pyserial influxdb requests flask flask-socketio jedi prompt_toolkit pygments aiohttp aiohttp_jinja2
```

If using Anaconda

Anaconda prefers to use the `conda` package manager instead of `pip`.

```
conda env create -f environment.yml

conda install -c conda-forge aiohttp-jinja2
```

To run:

```
conda activate ssp
...
conda deactivate
```

Installing InfluxDB

Install InfluxDB (64-bit):

1. Download   https://dl.influxdata.com/influxdb/releases/influxdb-1.7.1_windows_amd64.zip   (Or the latest version of InfluxDB, found through https://portal.influxdata.com/downloads)

2. unzip the directory `influxdb-x.x.x` in the downloaded file where you want the application, for example inside `C:\Program Files\`.

3. Create a Windows shortcut to `influxd.exe`.

4. Start `influxd.exe`

Installing Grafana

1. Download Grafana: https://grafana.com/grafana/download?platform=windows (More installation info is here: http://docs.grafana.org/installation/windows/)

2. Unzip the directory `grafana-5.x.x` in the downloaded file to `My Documents` -- **don't** place under `C:\Program Files` as the application would not have the permissions it needs to modify its files.

3. Create a Windows shortcut to `bin\grafana-server.exe` under the grafana directory.

4. Run `grafana-server.exe`. If Windows warns about "unrecognized application", choose "More info" and "Run anyway".

Next, configure Grafana as detailed in the user manual.