Acenav User Manual v1.0

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# working environment

- Windows10: python 3.7

- Mac OS: python 3.7

-Ubuntu: python 3.7

# Install the dependency library

It is better to create a virtual environment before to do it.

```bash

$ pip install -r requirements.txt

```

# Install pcap api library(`optional`)

Because we try to support INS401 a new device from Aceinna. It would use 100BASE-T1 ethernet, and the data transfer is in low-level of network, so we need help of pcap api. Actually, we integrated `scapy` in our project. The pcap api library is the dependency of `scapy`. If you are using a INS401 device, please also install the library based on your platform.

| Platform | Libraray | Reference |

| Windows | `npcap` | https://scapy.readthedocs.io/en/latest/installation.html#windows |

| Ubuntu | `tcpdump` | https://scapy.readthedocs.io/en/latest/installation.html#debian-ubuntu-fedora |

| Mac | `libpcap` | https://scapy.readthedocs.io/en/latest/installation.html#mac-os-x |

# execute command

Windows:

python main.py

MacOS:

python main.py

Ubuntu:

su

sudo chmod a+x main.py

python main.py

# parse command

Windows:

python main.py parse -p logs directory

MacOS:

python main.py parse -p logs directory

Ubuntu:

su

sudo chmod a+x main.py

python main.py parse -p logs directory

eg: python main.py parse -p D:\acenav\data\ins401\_log\_20210812\_102142