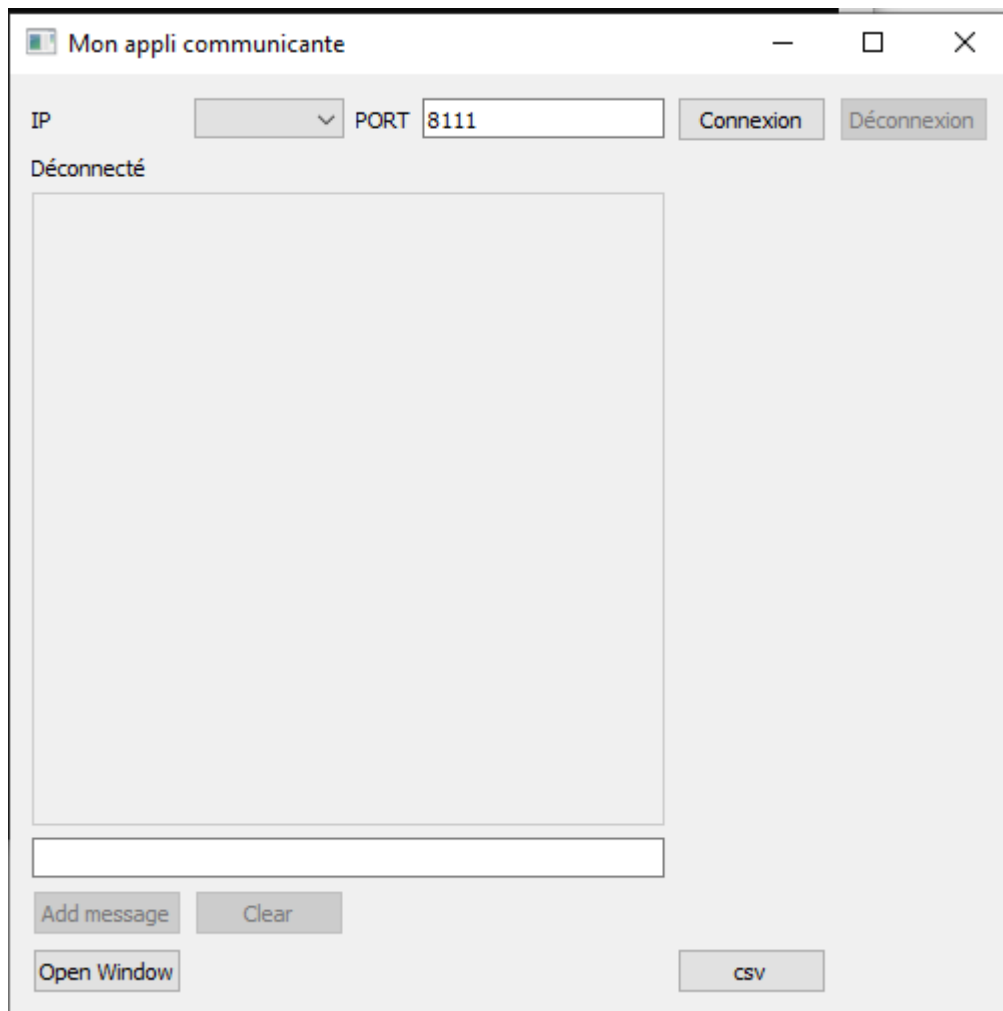# SAE3.02 MANUAL

This manual explains what the application is capable of doing. Like the SNMP protocol, it's desired to create a client-server system that allows for the sending of system commands for the supervision and diagnosis of machines or servers remotely. That's why a graphical interface allows for these several tasks and I will explain it to you.

Based on a client-server system, the interface can:

-Read a file of machines (csv for example, with a default port for example)

-Be able to add machines and save these new machines in the file

-Send simple commands to one or more machines (OS, NAME, ...)

-Send commands to machine servers (kill, disconnect, ...)

After downloading the folder, go to the "SAE302" directory. It has 4 files. Click on the GUI.py file to launch the application.
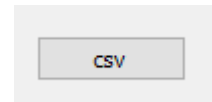
This application is divided into 3 parts:
        -The top part that consists of connecting to the server
        -The middle part that allows for communication with the server
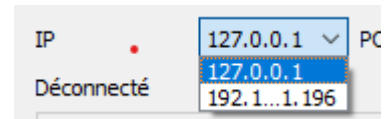   -The bottom part that offers other diverse services

Connection part:
First, launch the "Serveur.py" file to launch the server
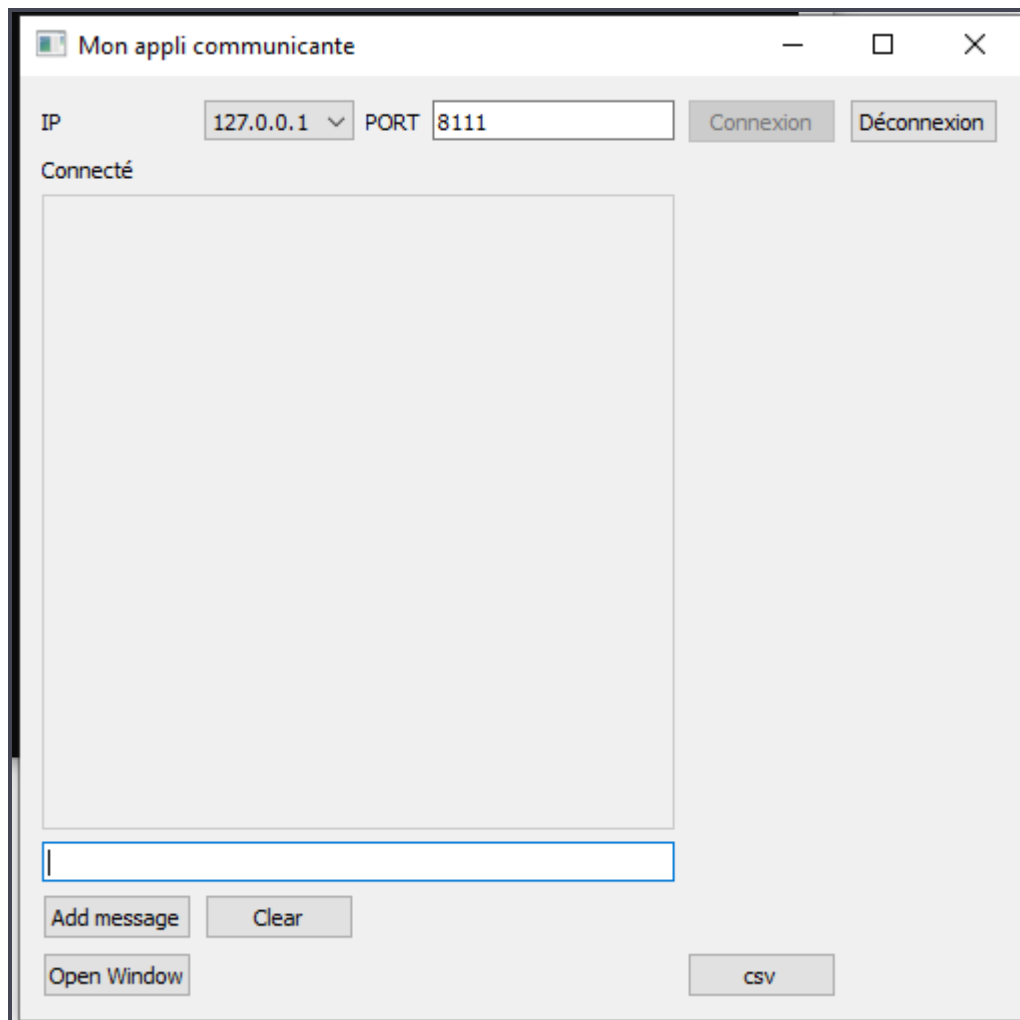To put an IP, click on the "csv" button at the bottom right

it will take you back to the folder, click on the .txt "ip-port".
You will now have a series of addresses that you can
choose from.

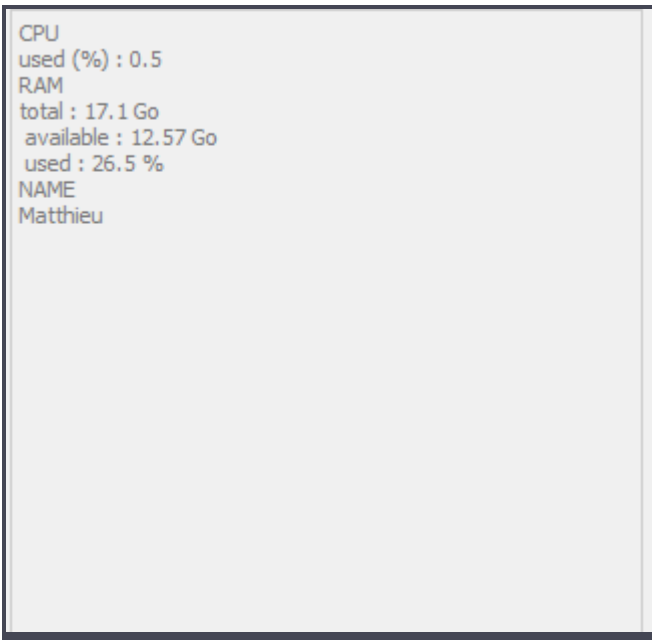Click on "Connection" and now several buttons have turned on.

Communication part:

Now you can communicate with the server. You can make several series of commands:

-OS: allows you to see what system you are in
-NAME: the name of the computer
-IP: allows you to see the IP of the network card
-CPU: displays the current processor usage percentage
-RAM: displays the total ram, available, and the % usage

Example of commands:

```
CPU
used (%) : 0.5
RAM
total : 17.1 Go
 available : 12.57 Go
 used : 26.5 %
NAME
Matthieu
```

You can also make commands that will impact the server:
  -kill: kills the client-server connection
  -disconnect: disconnects the client
  -reset: restarts the client (offline)

The clear button allows you to erase the displayed commands.

Diverse part:

The diverse part has fewer buttons than the previous parts. "Open Window" allows you to open a new window to connect to another IP in parallel. The csv button was already explained previously.