

UUB connection protocol

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You'll need access to the servers in Malargue so the first thing is to set this up.

- Send an email to Jesica jesica@auger.org.ar and Juan Pablo jpbehler@auger.org.ar and briefly explain what you want to do.
- They will ask for your ssh public key (usually `/.ssh/id_ed25519.pub`) and a username.
- NOTE: your username must be the same you have in your local machine. For example, if your terminal shows:

```
pepito@machine:~$
```

Then you should give them 'pepito' as your username. I'm not sure what's the reason behind this and it sounded strange to me, but it seems it's the way it works.

- They will send you back another ssh key via Whassap/Telegram which you will save under `HOME/.ssh/ssh-ed25519-cert.pub`
- Add this to your `.ssh/config` file:

```
Host gate.auger.org.ar
User your-user-name
IdentityFile ~/.ssh/id_ed25519
CertificateFile ~/.ssh/ssh-ed25519-cert.pub
```

- In a terminal, connect via:

```
ssh gate.auger.org.ar
```

This will give you different options

```
? Select a destination:
> Work remotely!
DB-Deb13 (168.96.149.43)
MoniProxy-Deb13 (168.96.149.45)
Offline-Deb11 (192.168.2.134)
Offline-Deb9 (192.168.2.133)
Parts-Deb12 (168.96.149.39)
Prod-Deb9 (192.168.2.226)
```

Choose work remotely (Enter)

Then you're prompted a command:

```
Run this command on your local machine:
sshuttle -r mateofa@168.96.149.67 168.96.149.0/24 192.168.0.
0/16 --exclude 168.96.149.67 --dns
```

This command did not work for me first hand. I had to **change the ip of the machine for 'gate.auger.org.ar'**:

```
Run this command on your local machine:
sshuttle -r mateofa@gate.auger.org.ar 168.96.149.0/24 192.16
8.0.0/16 --exclude 168.96.149.67 --dns
```

Now it should work and show this:

```
c : Connected to server.  
$
```

Leave this terminal open, and on another one try:

```
ssh auger@192.168.2.130
```

When prompted for a password use 'auger'. Now you should be logged to gina-nx.

Option for graphical inter-phase (it did not work for me yet)

Connect using this ssh command instead:

```
ssh -L 8080:$IPUUB:80 auger@192.168.2.130
```

Then open you browser and go to **localhost:8080**

Instructions to connect to the UUB (from terminal)

From gina-nx:

telnet ipStations

Clairon Jr: 10.0.134.200

Guapa Guererra: 10.0.125.200

Lety Jr. 10.0.77.200

user/pass: root (root)

+++ Compiling the UUB Software (locally) +++

cd PATH_TO_GIT_DIRECTORY/daq/bin

make arm

Should output files daq.tgz and utils.tgz

Can transfer these files via ftp to stations

+++ Stop data taking ++++

cd daq

touch no_run

+++ Start data taking ++++

cd daq

rm no_run

+++ Updating UUB Software (single use I think...) +++

ftp ipStations

user/pass: root (root)

put LOCAL_PATH_TO_DAQ_TGZ_FILE /flash/uub-
patches/P80DAQ_YYYYMMDD.tgz

put LOCAL_PATH_TO_UTILS_TGZ_FILE /flash/uub-
patches/P85utils_YYYYMMDD.tgz