

reviving eth1

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```
nmcli d « check if the card is connected »  
sudo systemctl daemon-reload  
sudo systemctl restart rarpd  
sudo systemctl restart NetworkManager
```

ifconfig « the inet field of eth1 where the uTCA crate is plugged should show the IP adress 192.168.1.1, otherwise do the following line »  
sudo ifconfig eth1 192.168.1.1 « the IP adress of the eth1 as to be on the same sub lan as the FC7 »

nmcli d « it should show the eth1 as connected »

tshark -i eth1 « should show the fc7s broadcasts »

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### Adding a FC7

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```
tshark -i eth1 « look for the broadcast of the newly connect FC7, it gives it MAC adress»  
sudo vim /etc/ethers « add the line with MAC and name of the FC7 (any you like )»  
sudo vim /etc/hosts « add a line with a IP adress and the corresponding name, the IP adress can be  
anything that is not used already, it also has to be on the same sub-network as the ethernet port it is  
connected to : eg 192.168.1. '...' in the case of the seeting mentionned above»
```

ping 'ip adress you gave to the FC7' « You should see the FC7 responding if everything as been well connected »

### Communicating with the FC7

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In Ph2\_ACF :

```
cd Ph2_ACF  
fpgaconfig -c settings/PS_FEH_mainTest_test1.xml -l  
  
fpgaconfig -c settings/PS_FEH_mainTest_test1.xml -i d19c_2s_cic2.bin  
  
mux_setup -f settings/PS_FEH_mainTest_test1.xml --mux_scan
```