Free5GC

1. Set Up

In our test we used the version v3.3.0.

1.1 Core-host Configurations

```
sudo sysctl net.ipv4.conf.all.forwarding=1
sudo iptables -P FORWARD ACCEPT
```

1.2 Clone free5gc-compose

```
git clone https://github.com/free5gc/free5gc-compose
git checkout v3.3.0
```

1.3 Changing Core Settings

```
git clone https://github.com/eduardoschulz/Interoperabilidade.git
cd Interoperabilidade/core-networks/free5gc/core-networks/FREE5GC
cp -r config path/to/free5gc-compose
```

1.4 gNB-host Configurations

You also must configure a route to the internal docker network so that the gNB can make a connection.

```
sudo ip route add 10.100.200.0/24 via {ip_addr_corehost} dev {interface}

#example
sudo ip route add 10.100.200.0/24 via 191.4.205.38 dev br01
```

2.0 Installing GTP-U Kernel Module

```
git clone https://github.com/free5gc/gtp5g.git && cd gtp5g
make clean && make
sudo make install
```