VNF experiment:

github repo : $ https://github.com/containernet/vim-emu.git

Installation :

Automated Installation : $ wget https://osm-download.etsi.org/ftp/osm-15.0-fifteen/install\_osm.sh

$ chmod +x install\_osm.sh

$ ./install\_osm.sh --vimemu

Bare-Metal :

$ sudo apt-get install ansible git aptitude

Containernet installation

$ cd git clone https://github.com/containernet/containernet.git

$ cd ~/containernet/ansible

$ sudo ansible-playbook -i "localhost," -c local install.yml

$ cd ..

$ sudo make develop

(if you get error in installation change the yaml file ansible to present for all the states)

vim-emu installation

$ cd git clone https://osm.etsi.org/gerrit/osm/vim-emu.git

$ cd ~/vim-emu/ansible

$ sudo ansible-playbook -i "localhost," -c local install.yml

$ cd ..

$ sudo python3 setup.py develop

Start the emulator

start the emulation platform with a single NFV data center :

$ sudo python3 examples/default\_single\_dc\_topology.py

start two simple VNFs( in a different terminal)

$ vim-emu compute start -d dc1 -n vnf1

$ vim-emu compute start -d dc1 -n vnf2

$ vim-emu compute list

(If you get error you are fucked!!!)

# check the connectivity between the two VNFs(go back to first terminal)

# press <ENTER> <ENTER>

containernet> vnf1 ifconfig

containernet> vnf1 ping -c2 vnf2

if you get pyflakes errors:

pip install --upgrade pycodestyle

pip install --upgrade pyflakes

pip install --upgrade mccabe