Inštalácia

Dependencies

sudo git clone <https://github.com/netgroup/Dreamer-Management-Scripts>

sudo git clone <https://github.com/netgroup/Dreamer-Mininet-Extensions>

Oshi mininet dependencies

1.1) netaddr (pip) - sudo pip install netaddr

1.2) ipaddress (pip) - sudo pip install ipaddress

1.3) OSHI dependecies (see setup.sh in Setup-Scripts), and in particular:

Chod do Dreamer-Management-Scripts/oshi/

Spusti setup.sh

1.3.1) Open vSwitch 2.390 from sources in order to run MPLS-PW and MPLS-VLL

$ git clone https://github.com/openvswitch/ovs.git

1.3.2) RYU to run MPLS-VS, MPLS-PW and MPLS-VLL (pip) - sudo pip install ryu

1.3.3) RYU patch - see VLL-PUSHER repository

$ git clone https://github.com/netgroup/dreamer-ryu

1.3.4) networkx for MPLS-VS (pip) - sudo pip install networkx

1.4) Open vSwitchd service - see the git repository

sudo update-rc.d -f openvswitch-controller remove

sudo update-rc.d -f openvswitch-switch remove

1.5) Mininet (commit: aae0affae46a63ef5e54d86351c96417c3888112) - see the git repository

git clone git://github.com/mininet/mininet

cd mininet/

git reset --hard aae0affae46a63ef5e54d86351c96417c3888112

cd ..

mininet/util/install.sh -ent

1.6) Dreamer-Topology-Parser-and-Validator (git) - git clone <https://github.com/netgroup/Dreamer-Topology-Parser-and-Validator.git>

Spustenie:

Spusenie OSHI IP/SDN miniet príkladu s OSHI topológiou:

Cd Dreamer-Mininet-Extensions

Sudo ./mininet\_deployer.py –-topology topo/topo\_vll\_pw.json

Záver

Funkčný prototyp