**Lab assessment for OVS BG Lab 6**

1. Can correctly show created bridges via openvswitch command
2. Can show the correct bound between br0 and enp0s3

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Show the correct ipaddress assigned to br0

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The ip is 10.0.2.33 as shown

Can show correct routing table for br0 and enp0s3 and ping 8.8.8.8

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Lab 7 – Minet BG Lab

Assessment

Can correctly create topology with single switch and four hosts

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Can correctly create a topology with 5 switches and one host for every switch

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Show correct nodes, iperf net for each topology

Topology 1:

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Topology 2:

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Create a tree topology of depth 2 and fanout 8 and have h1 ping h64

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Pox BG Lab – 8

Task 1:

Connect to a mininet topology

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Start the forwarding.l2\_pairs component:

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Start the forwarding.l3\_learning component

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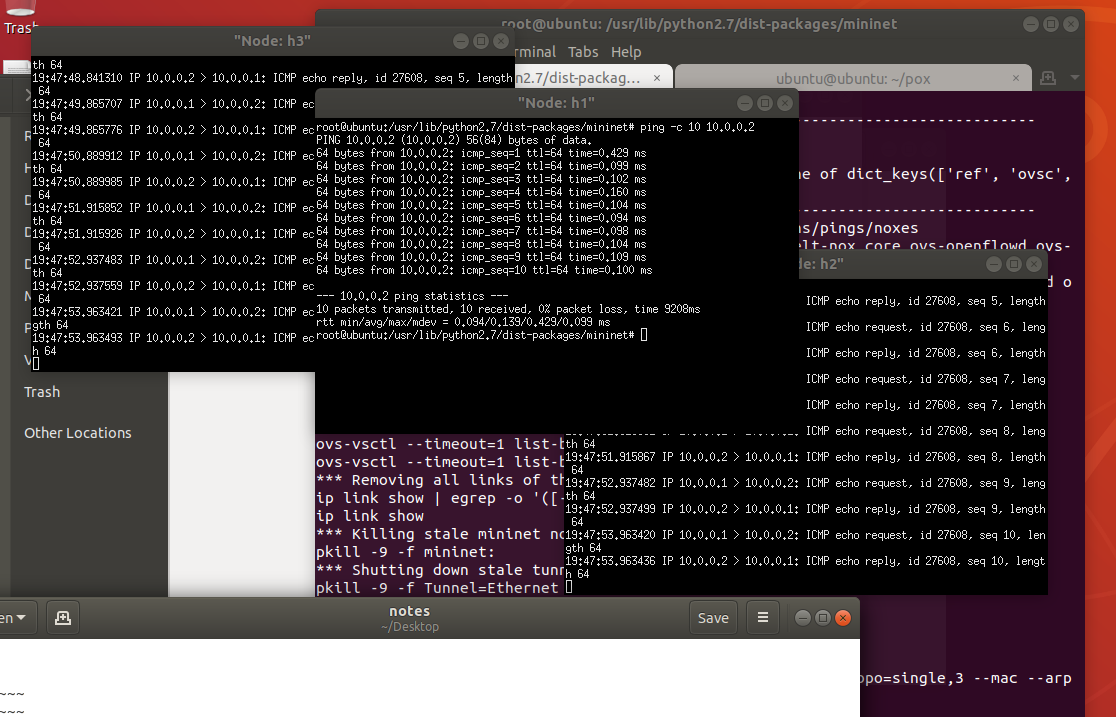
A screenshot of a computer program

Description automatically generated with medium confidence

Task 2:

While connected to the controller, the mininet topology can: open the xterm terminal and ping command between two different hosts in two different xterm terminals

Open xterm and ping two different hosts



A screenshot of a computer screen

Description automatically generated with medium confidence

Lab 9 ContainerNet:

Sudo mn –test pingall

A screenshot of a computer program

Description automatically generated with medium confidence

Python3 container\_example.py

A screenshot of a computer program

Description automatically generated with medium confidence

**The Lab!**

POX Location: /home/ubuntu/pox

OpenVSwitch Locations:

/usr/share/openvswitch/scripts

/var/run/openvswitch

ovs-ctl start

Task 1.0

Check if python is installed: python –version and python3 –version and mn –version and sudo mn –test pingall

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Pox

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Check ovs-vsctl

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**Task 2.0**

Install

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Running the example pox controller

Graphical user interface, text

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Create the containernet:

Text

Description automatically generated

Some pings, blocking TCP packets:

Graphical user interface, text

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Graphical user interface

Description automatically generated

**Task 2.2 verify functionality**

Text

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