

Lab 3 Simple Firewall using OpenFlow

Simple firewall created using OpenFlow-enabled switches. It allows both ARP and TCP traffic to pass while blocking all other traffic.

Directions to run:

1. Place 'lab3controller.py' in the ~/pox/pox.misc directory.
2. Open the first terminal and run the controller: `sudo ~/pox/pox.py misc.lab3controller`
3. Open the 2nd terminal and run: `sudo python ~/lab3.py`

Files

lab3controller.py: Firewall controller code.

lab3.py: Mininet topology script.

lab3.pdf: Tests the following commands: pingall, dpctl dump-flows and iperf and includes screenshots to the results of those commands showing how the firewall deals with them correctly.

README.txt: Information on the project and the attached files