

Lab#4 Mininet Instructions

Introduction

The Lab#4 Mininet assignment includes two sub labs in the guiding file: Lab 1 and Lab 2.

Download Mininet

There are two ways to install Mininet:

1. Mininet provides a virtual machine with the tools already installed. You can download the whole VM and install on virtual box.
2. (Recommended) Install Mininet on the provided virtual machine through command lines:
3. `git clone git://github.com/mininet/mininet`
4. `mininet/util/install.sh`
5. test installation: `sudo mn --switch ovsbr --test pingall`
6. install iperf3: `sudo apt-get install iperf3`

For more details please go to the official downloading guild: <http://mininet.org/download/> .

Notes

1. To run Miniedit, you can use command line under the directory of mininet: `python mininet/examples/miniedit.py`
2. In Lab 2, instead of import the Lab2.mn topology file, use the topology you built for Lab 1.
3. In Lab 2, download and install the tool of `plot_iperf` from link: https://github.com/pengmia-o-usc/iperf3_plotter

Submission

Submit one report with screenshots of all the steps in Lab1 and Lab2, including the plots generated in Lab2.