



Assignment 0: Getting set up on Emulab

Due Sunday Sun 8/31/2014 at 11:59pm

In this class we will be using Emulab for assignments. Emulab is an infrastructure run out of the University of Utah which provides to the academic community access to machines which can be connected together in arbitrary topologies. The purpose of this assignment is to get set up on this infrastructure so there are no problems. Emulab will also be available for your project.

If you have questions about this assignment or notice errors, please use Piazza to ask about it.

For handing in the results, put all requested info in one text file and email to me.

Emulab

[\(http://emulab.net/\)](http://emulab.net/)

- 1) Sign up for an account (<https://www.emulab.net/reqaccount.php3>)
- 2) If you don't have an account, I believe it ask "Join Existing Project" to even sign up. If you have an account, you may log in and under the "Experimentation" menu, choose "Join Existing Project". In either case, our project is called: ColoradoAdvSec14
(I will receive an email and approve it)
- 3) Read documentation for how to create an experiment
e.g., the Emulab "Getting Started" tutorial linked from <https://wiki.emulab.net/Emulab/wiki>
- 4) Create an experiment with 2 nodes connected by a link by writing an ns file. For the image, use a Linux based one (UBUNTU12-64-STD).
- 5) ssh into one of the hosts
- 6) Run `ifconfig -a`
- 7) When you are done, be sure to release the resources (swap the experiment out)

To hand in:

- 1) .ns file used for experiment
- 2) The ssh command you used to log into the machine
- 3) Results of running "ifconfig -a" on either machine in Emulab