

i341 Lab-2: *Ethernet/Data Link frame capture*

Lab Exercise – Class will do a live capture of Ethernet frames, then decode and analyze the frame.

Deliverable: email (to Canvas site) lab write-up detailing your explanation of the lab, how to capture and Ethernet frame, and how this tool would prove useful in network troubleshooting and other cases (*please state at least one scenario besides networking troubleshooting, how it would be used*). *Submitted to Canvas by 10/14/16 11pm*

Wireshark Website: the website contains information on the tool, and also the software for people that want to directly download the tool to their personal device.

<http://www.wireshark.org/>

I plan to bring some laptops to class along with a network hub and cabling, I doubt I will have more than 7-8 laptops that have Wireshark installed. The hub supports 16 ports (minus 2-3 ports for the network demo devices) so we will form groups sharing ports/cables/laptops. Available power drops in classroom will be a constraint. It's a very practical lab – skills that will be important in other classes and eventually in the workplace.