# Lab Assignment 1 for ECE671

Posted: 02/02/2021 Due: 02/09/2021

## Step 1:

Download and install wireshark on your laptop/desktop from here:

http://www.wireshark.org/

#### Step 2:

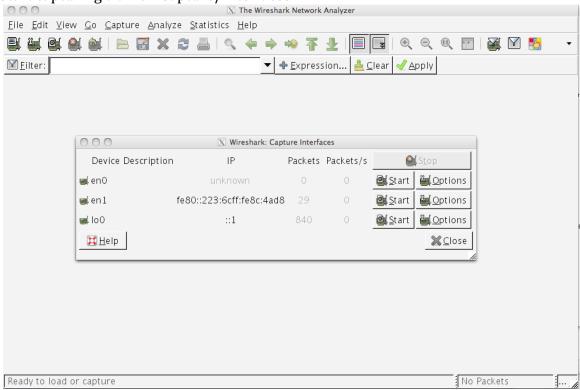
Read the following page to make sure you have *capture privileges:* http://wiki.wireshark.org/CaptureSetup/CapturePrivileges

Run wireshark

Tip for MacOS: "sudo /Applications/Wireshark.app/Contents/MacOS/Wireshark"

#### Step 3:

Start capturing traffic: "Capture/Interfaces"



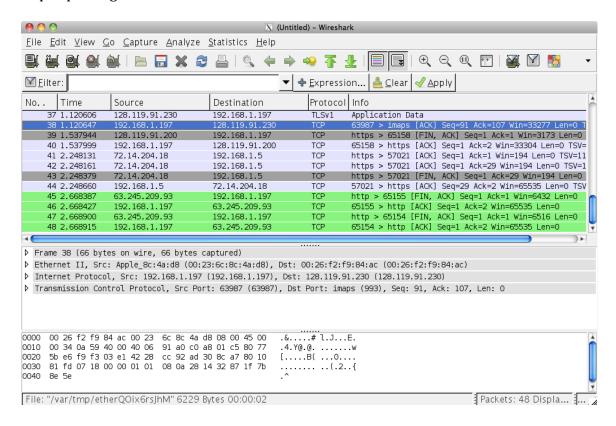
Hit "Start" on the respective interface. (In the example above it would be "en1".)

#### Step 4:

While continuing to capture traffic start your browser and direct it to <a href="https://www.ece.umass.edu">www.ece.umass.edu</a>

#### Step 5:

Stop capturing.



#### Step 6:

Filter the packets that belong to the http session between your host and the UMass web server.

Enter "http && ip.addr == 172.30.26.136" in the "Filter" field of wireshark as shown below.

### Step 7:

Take a screenshot of this result. How many packets were transmitted from the UMass web server to your client in this session?

