

COMP 307
Principles of Web Development

Mini Assignment 1
Due: September 16, 2016

Download Wireshark from wireshark.org. Get familiar with their website and watch their instructional video. Then install Wireshark on your PC. Now conduct two experiments: (a) record a 2 minute wifi packet recording session within the Trottier Engineering Building. Then (b) record a 2 minute wifi packet recording session at an open hot spot, like an outside city free hot spot, or McDonald's, or Tim Hortons (less secure the better).

Now answer the following questions:

1. Identify the exact location where you were when recording your two wifi packet recording sessions.
2. Look at each session individually and report the quality of the security. Specifically, based on your data set, what percentage of packets revealed packet header information, and what percentage of packets revealed payload information. Write a short evaluation.
3. Looking at each session individually, select a sender IP address and try to deduce what they were trying to do.
4. Now, comparing your two data sets. Which location was more secure? Could you identify the default security that was present at each data set?

WHAT TO HAND IN

Submit a PDF report to myCourses Mini Assignment #1 electronic drop box.
This mini assignment has two late days with -5% penalty per late day.