COMP 3134   Duration: 60 Minutes

Introduction to Cyber Security

Objective:

Exemplify Passive sniffing techniques on both your droplet server and localhost machine

Tasks:

Steps 1) and 2) are to be done by listening to network traffic on your Droplet server

> 1) Capture 3 UDP packets on your droplet server
> > Display the
> > > Source Host
> > > Source Port
> > > Destination Host
> > > Destination Port

In a text file named **step_1.txt (1 mark)**
Write the command executed for the capture **(1 mark)**
The output produced from the capture **(1 mark)**
The information requested for each packet **(3 x 4 marks = 12 marks)**

Total Marks = 15 marks

2) Capture 3 TCP packets on your droplet server

Display

Source Host
Source Port
Destination Host
Destination Port

In a text file named **step_2.txt (1 mark)**
Write the command executed for the capture **(1 mark)**
The output produced from the capture **(1 mark)**
The information requested for each packet **(3 x 4 marks = 12 marks)**

Total Marks = 15 marks

The following steps are to be done on your localhost machine

3) Capture any 3 packets in which your computer is being communicating to by another network. Clearly highlight/state the source host, source port, destination host and destination port. Take screenshots and use Paint to highlight the requested information.

1 mark: Screenshot taken
(png or jpg format having name step3_N,
where N = captured packet between 1 and 3)
1 mark x 4 = 4 marks: information highlighted
x 3 for each packet
Total Marks = 15 marks

Submission Guideline:

To submit the lab test on Blackboard, please follow the Instructions below

1. Navigate to the Blackboard submission page

2. Create a zip file with all the files you created in the Tasks section of this Lab Test

    a. To create a zip file, follow the instructions below (on a Windows machine)

        i. Navigate to the folder where you have stored your files
        ii. Select the files
        iii. Right click to open the context menu
        iv. Select the option: "Send to"
            1. Select the option "Compressed (zipped) file"

    b. To create a zip file on Mac machines, follow the instructions on the URL below
       http://osxdaily.com/2012/01/10/how-to-zip-files-in-mac-os-x/

3. The following files will not be accepted
    a. Word documents
    b. PDF documents
    c. RAR files

4. Upload the Lab Test and confirm that it has been uploaded.