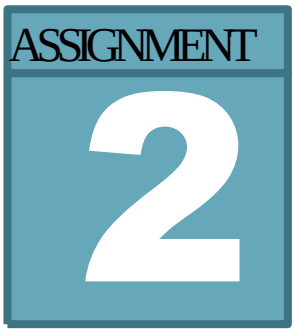

COMP 3134

Introduction to Cyber Security

Objective:

Exemplify Passive sniffing techniques on both your droplet server and localhost machine.
All information does not need to come from ONE droplet and ONE local machine.

Tasks:

Steps 1) and 2) are to be done by listening to network traffic on a Droplet server. You can use the Droplet server of one or many group member's machine.

1) Capture 10 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 **(0.5 x 4 marks = 2 marks)**

Total Marks = 5 marks

2) Capture 10 HTTP 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 **(0.5 x 4 marks = 2 marks)**

Total Marks = 5 marks

The following steps are to be done on a localhost machine. You can use the local machine of one or many group member's machine.

3) Capture any 10 packets in which your computer is communicating with 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 10)
1 mark: information highlighted
x 3 for each packet

Total Marks = 10 marks

Submission Guideline:

To submit the assignment on Blackboard, please follow the Instructions below

1. Navigate to the Blackboard submission page

2. Upload the files INDIVIDUALLY as a Blackboard submission

3. Upload the Assignment and confirm that it has been uploaded by viewing the submission on Blackboard.