

Mawlana Bhashani Science And Technology University

Lab-Report

Lab Report No:

Lab Report Name: Lab-wireshark-display lecture

Group member ID: IT-18019 and IT-18037

Date of Performance:

Date of Submission:

Submitted by

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ID: IT-18019.

3rd Year 2nd Semester Session: 2017-2018 Dept. of ICT,MBSTU

Submitted To

Nazrul Islam Assistant Professor Dept. of ICT MBSTU.

1. Objectives:

Wireshark is a network protocol analyzer captures network packets displays packet data in details www.wireshark.org
First released in 1998 by Gerald Combs as Ethereal many contributors around the world Open source and free software Graphical alternative to tcpdump

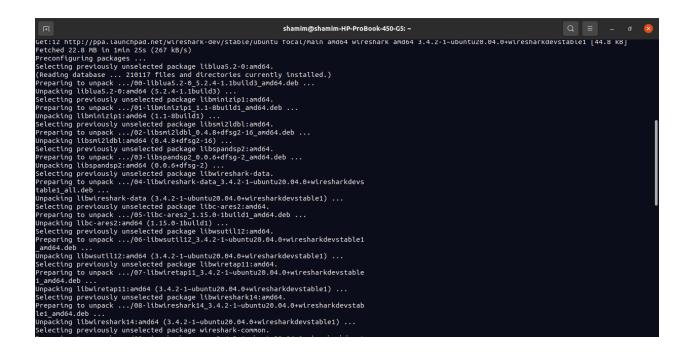
2. Theory:

Powerful tool for troubleshooting network problems examining security problems debugging protocol implementations learning network protocol internals Used in industry and academia

3. Methodology

Wireshark Installation

```
shamingshamin-HP-ProBook-450-C5:-$ sudo add-apt-repository universe
[sudo] password for shamin:
'universe' distribution component is already enabled for all sources.
'shamingshamin-HP-ProBook-450-C5:-$ sudo add-apt-repository universe
[sudo] password for shamin:
'universe' distribution component is already enabled for all sources.
'shamingshamin-HP-ProBook-450-C5:-$ sudo apt install wireshark
Reading state information... Done
Reading state info
```



```
Preparing to unpack .../09-wireshark-common_3.4.2-1-ubuntu20.04.0-wiresharkdevst ablei_and64.deb ...
Unpacking wireshark-common (3.4.2-1-ubuntu20.04.0-wiresharkdevstablei) ...
selecting previously unselected package wireshark-qt.
Preparing to unpack .../09-wireshark-qt.
Preparing to unpack .../01-wireshark-qt.
Preparing to unpack .../01-wireshark-qt.
Preparing to unpack .../01-wireshark-qt.
Inpacking wireshark-qt (3.4.2-1-ubuntu20.04.0-wiresharkdevstablei ...
selecting previously unselected package wireshark.
Preparing to unpack .../11-wireshark_3.4.2-1-ubuntu20.04.0-wiresharkdevstablei_a
modd.deb ...
Inpacking wireshark (3.4.2-1-ubuntu20.04.0-wiresharkdevstablei] ...
setting up libeninitipii: unbinitipiii: unbinitipiiii: unbinitipiii
```

```
Installing new version of config file /etc/wireshark/init.lua ...

Setting up liblua5.2-0:and04 (5.2.4:1.bultd3) ...

Setting up libwiretaptirand04 (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up libwiretaptirand04 (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark4; and04 (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Processing triggers for libc-bin (2.31-0buntu0.2) ...

Processing triggers for shared-nine-info (1.35-1) ...

Processing triggers for mine-support (3.64buntu1) ...

Processing triggers for mine-support (3.64buntu1) ...

Processing triggers for gnone-nenus (3.36.0-lubuntu1) ...

Processing triggers for gnone-nenus (3.36.0-lubuntu1) ...

Sibalinghalund-nin-probok-da-40-60:15 ga thiow wireshark

Package: wireshark

Version: 3.4.2-1-ubuntu20.04.0+wiresharkdevstable1

Processing triggers for gnone-nenus (3.36.0-lubuntu1) ...

Sibalinghalund-nin-probok-da-40-60:15 ga thiow wireshark

Package: wireshark

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Processing triggers for gnone-nenus (3.36.0-lubuntu1) ...

Sibalinghalund-nin-probok-da-60-61 ga thiow wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wiresharkdevstable1) ...

Setting up wireshark-qt (3.4.2-1-ubuntu20.04.0+wireshark-dev/stable/ubuntu focal/nain and64 Packages

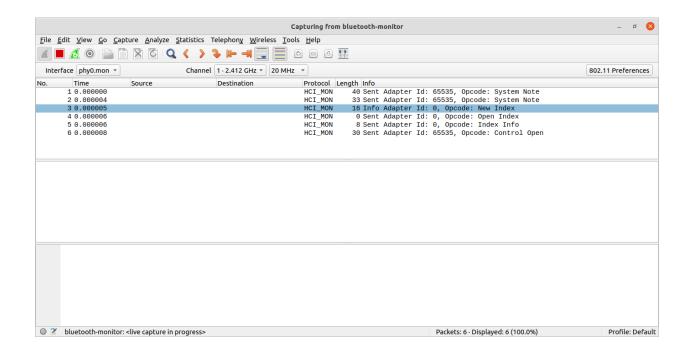
Description: network traffic analyzer - neta-package

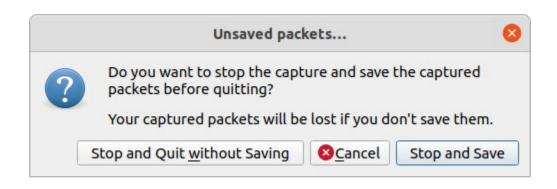
Wireshark is a netuork "sniffer" - a tool that captures and analyzes

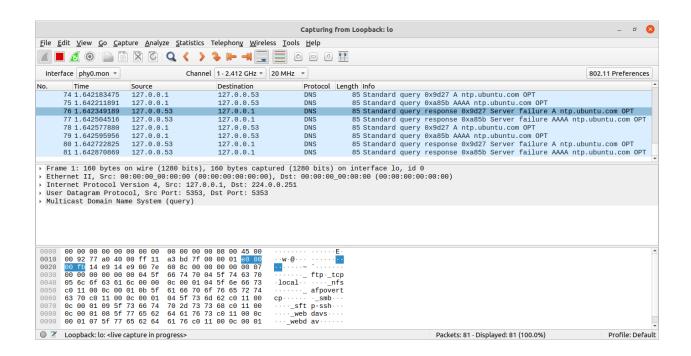
packets off the wire. Wireshark can decode too nany protocols to list

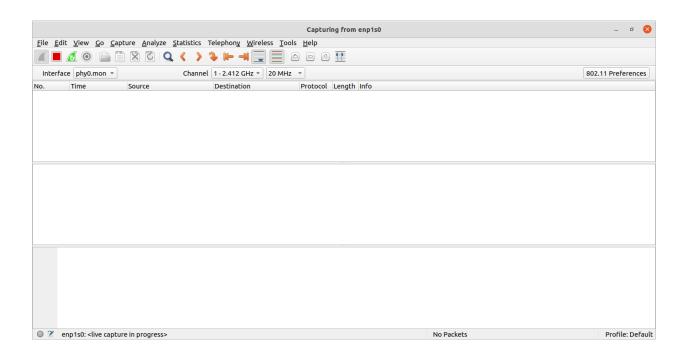
here
```

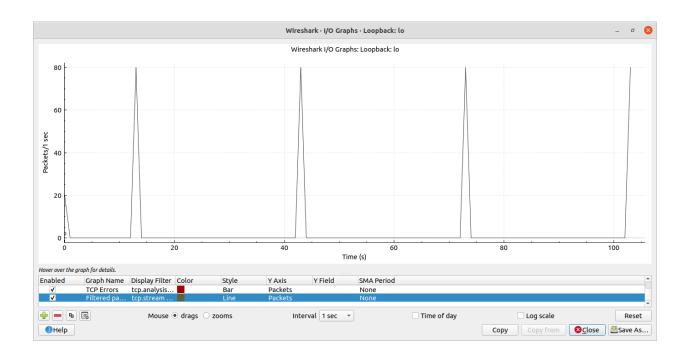
4. Exercises:

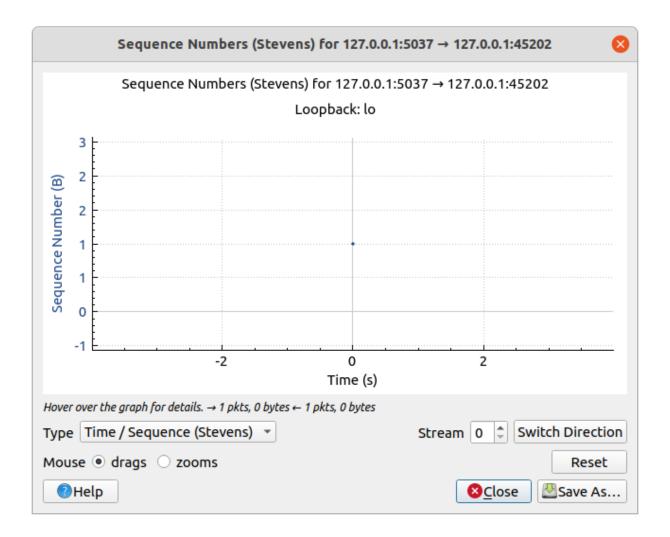


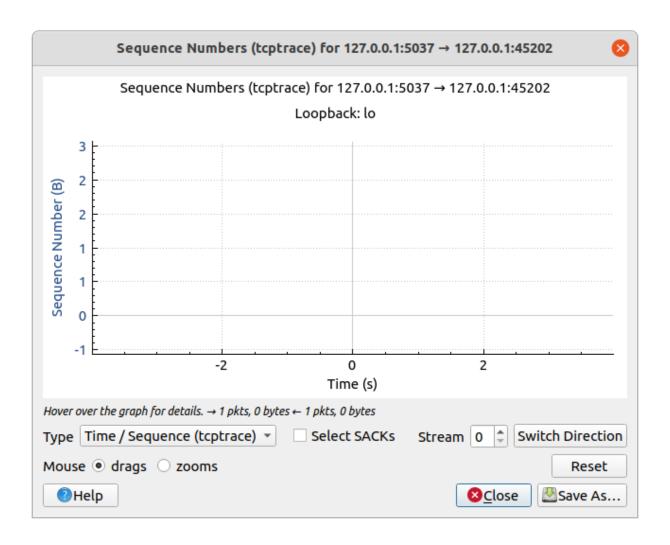


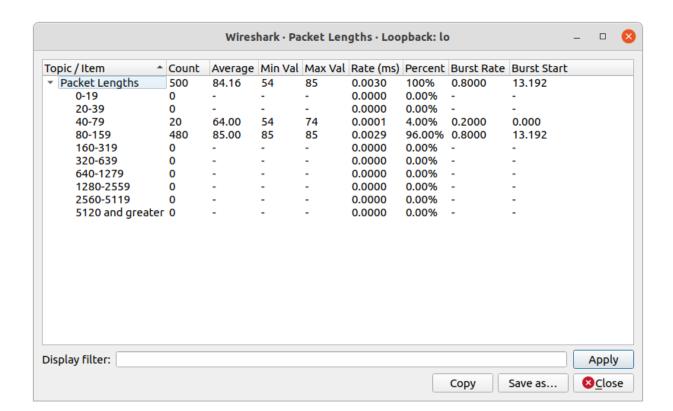


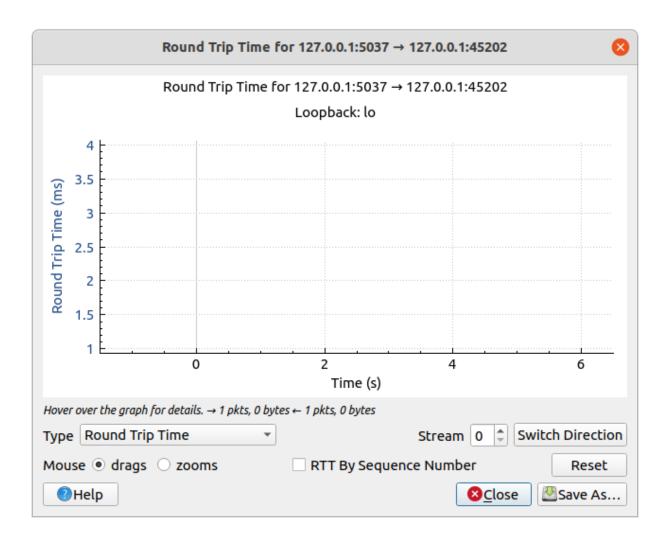


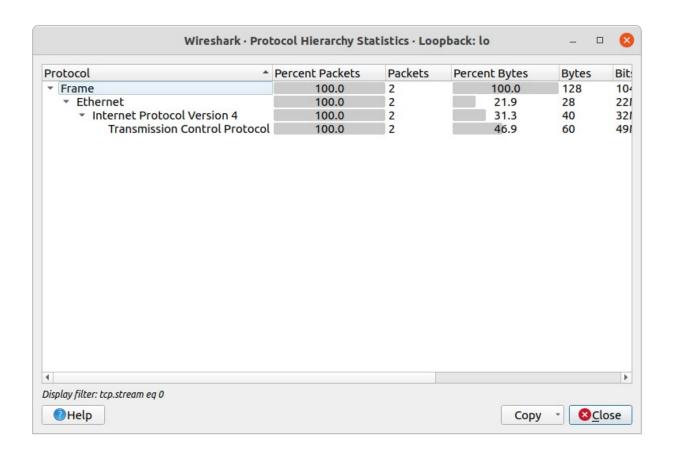












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0040	CC	df	00	00	00	00	01	03	03	07							

