CSE 3501

INFORMATION SECURITY ANALYSIS & AUDIT



Lab FAT Exam

L9+L10 | PLBG04 Dr. Vimala Devi K

FALL SEMESTER 2021-22

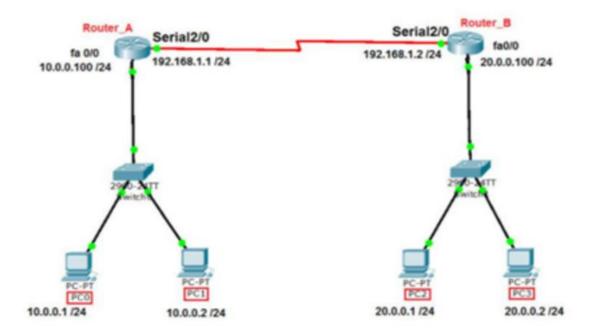
by

SHARADINDU ADHIKARI 19BCE2105

SET B Group 2

Question 1

1. Create a network infrastructure given below and implement the static routing for the routers present in the network. Do all IP address assignment and show ping messages from one network to another. (35 marks)



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AIM: To create a network infrastructure given, and implement the static routing for the routers present in the network.

aiven: IP addresser: PCs: 10.0.0.1/24 (0.0.0.2/24 20.0.0.1/24 20.0.0.2/24

Procedure: I've first configured all PCs according to the given IPs.

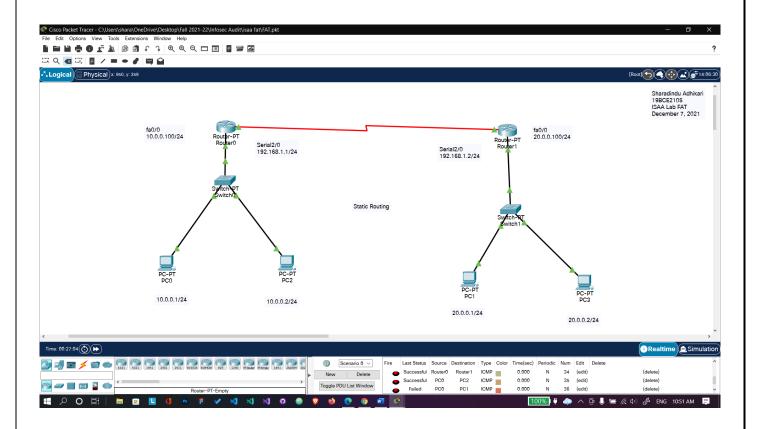
Followed by configuring the far and secial posts

of Routers.

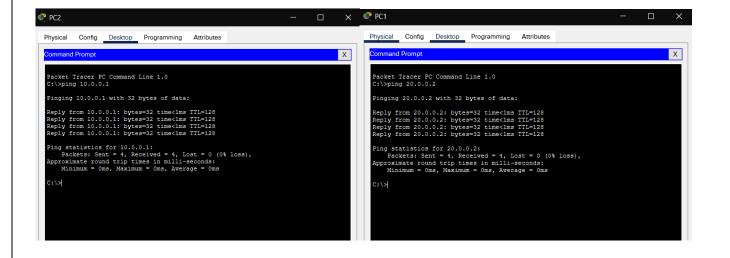
- one network to another.
 - . Followed by marking all of them with comments.
 - . Finally I sent ping mensages from CLI.
 - · Taken the screenshots.

Conclusion: I've thus implemented static routing for the routers.

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Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#

Router(config)#ip route 10.0.0.0 255.255.255.0 192.168.1.1

Router(config)#

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#

Router(config)#ip route 10.0.0.0 255.255.255.0 192.168.1.1

Router(config)#

Question 2

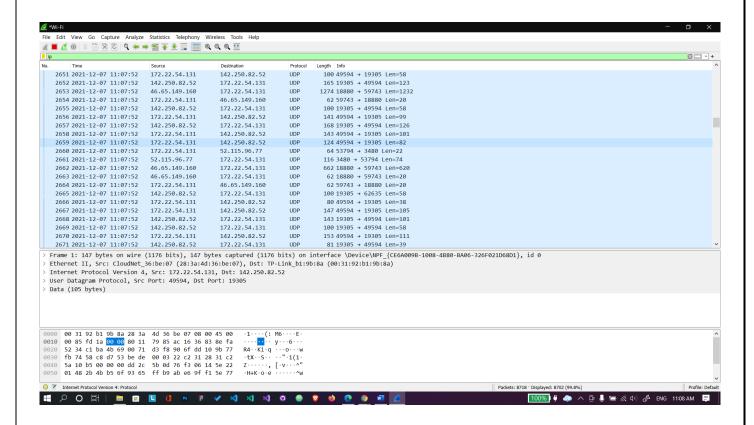
Wireshark experiment (15 marks)

- 2. a) In Wireshark List 5 different protocols that appear in the protocol column in the unfiltered packet-listing window.
 - b) In Wire shark If a packet is highlighted by black, what does it mean for the packet?
 - c) In Wire shark What is the filter command for listing all outgoing http traffic?

(a)

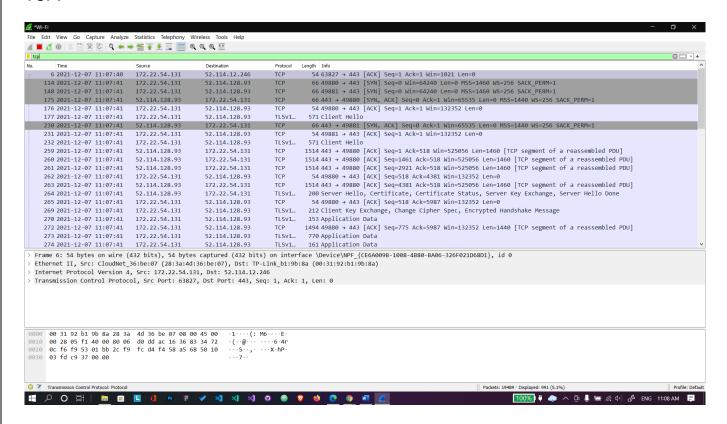
6666666

IP:

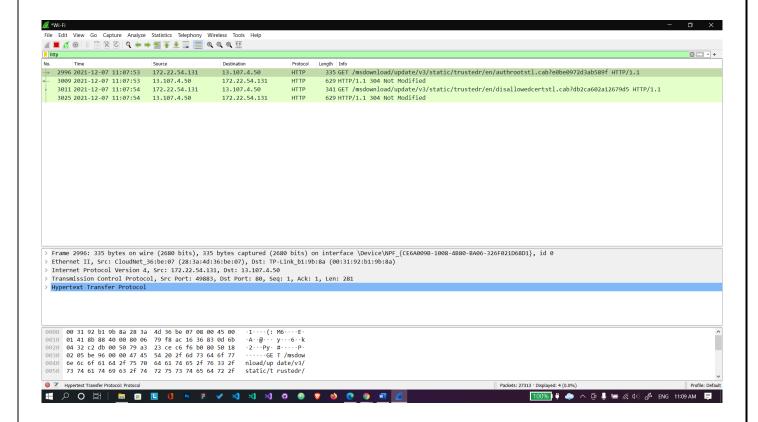


TCP:

7

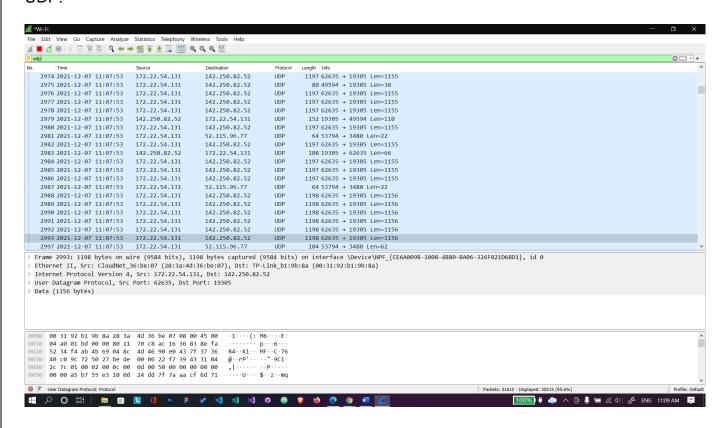


HTTP:



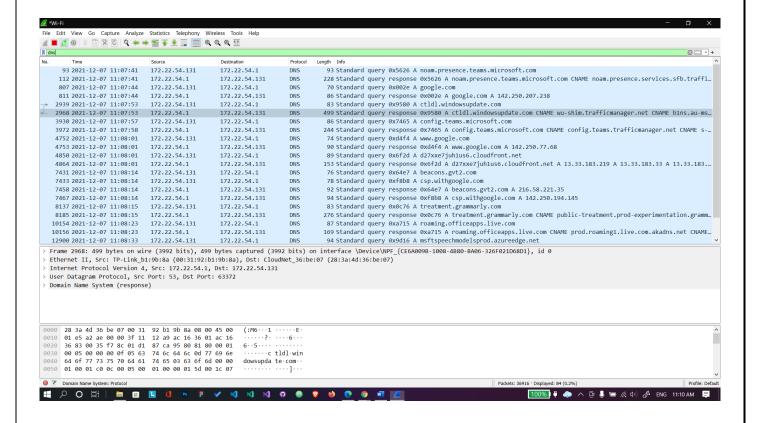
UDP:

8



DNS:

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(b)

Wireshark can be setup so that it will colorize pawets according to a display filter.

It uses colors to help us identify the types of traffic at a glance.

By default, black colour identifies parkets with errors — for example, they could have been delivered out of order.



(c)

CO

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http. request method = = "GET"

