

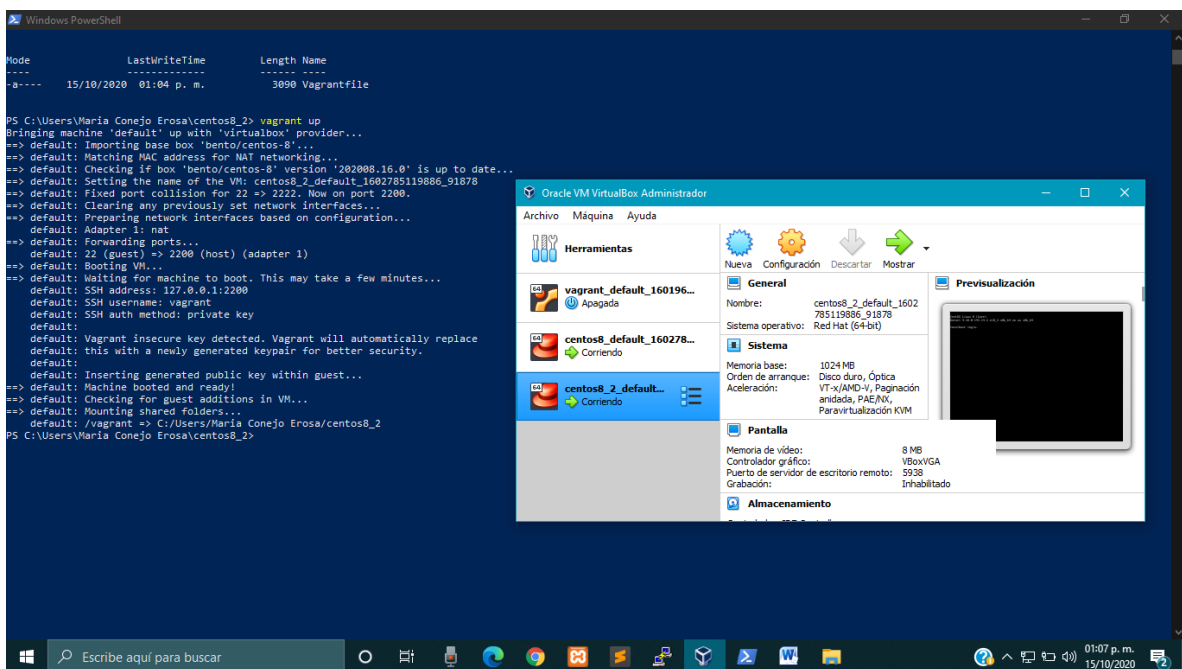
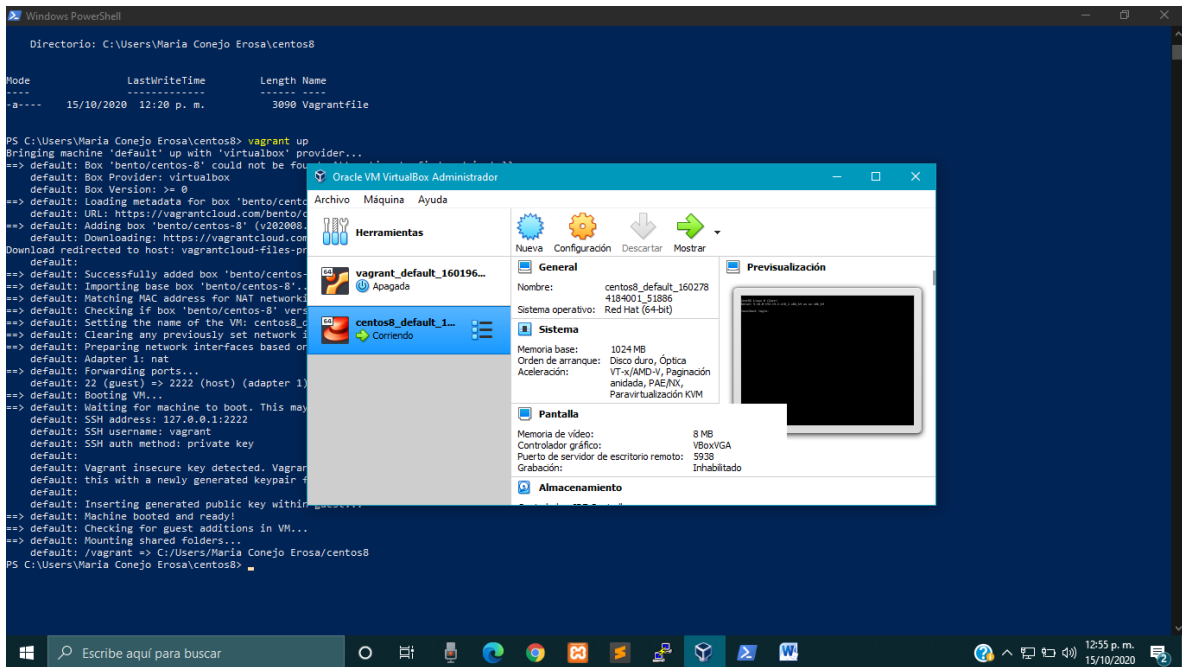


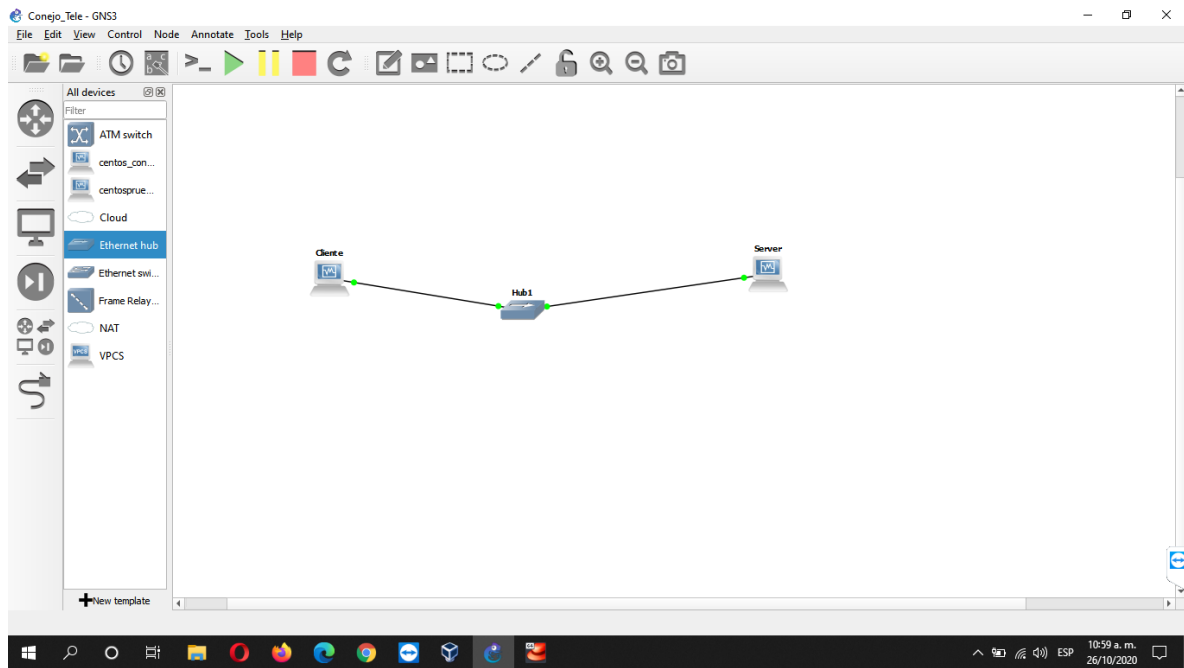
Instituto Tecnológico de Cancún

*Conejo Erosa
Jesús Gustavo*

 **FUNDAMENTOS DE TELECOMUNICACION**

Proyecto Sistema de comunicación





Practica_Tele - GNS3

File Edit View Control Node Annotate Tools Help

All devices

Filter

- LAPTOP-8KEBM9K4 - PuTTY

Topology Summary

LAPTOP-8KEBM9K4 - PuTTY

```
[ OK ] Started Permit User Sessions...
[ OK ] Started Permit User Sessions.
[ OK ] Started Getty on tty1.
[ OK ] Started Serial Getty on ttyS0.
[ OK ] Reached target Login Prompts.
[ OK ] Started Command Scheduler.
[ OK ] Started Login Service.
[ OK ] Started Dynamic System Tuning Daemon.

CentOS Linux 8 (Core)
Kernel 4.18.0-80.el8.x86_64 on an x86_64

localhost login: [ 24.158390] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 25.888810] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 26.253176] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 26.257238] snd_intel8x0 0000:00:05.0: clocking to 48000
sudo
Password:
Login incorrect

localhost login: vagrant
Password:
[vagrant@localhost ~]$
```

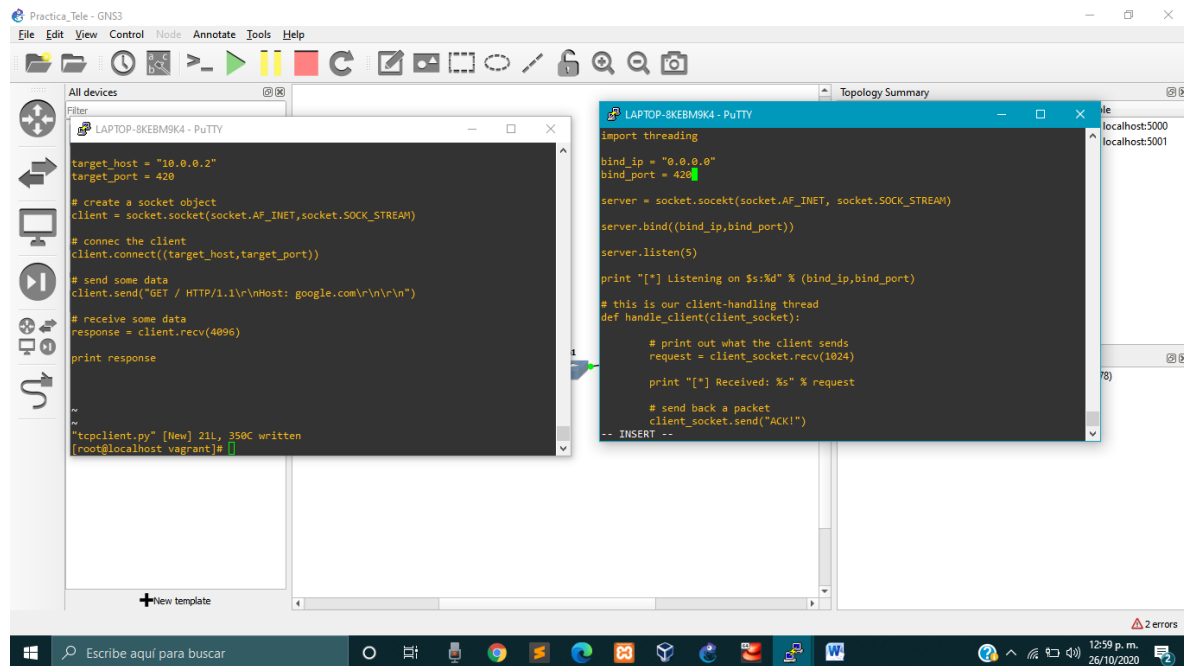
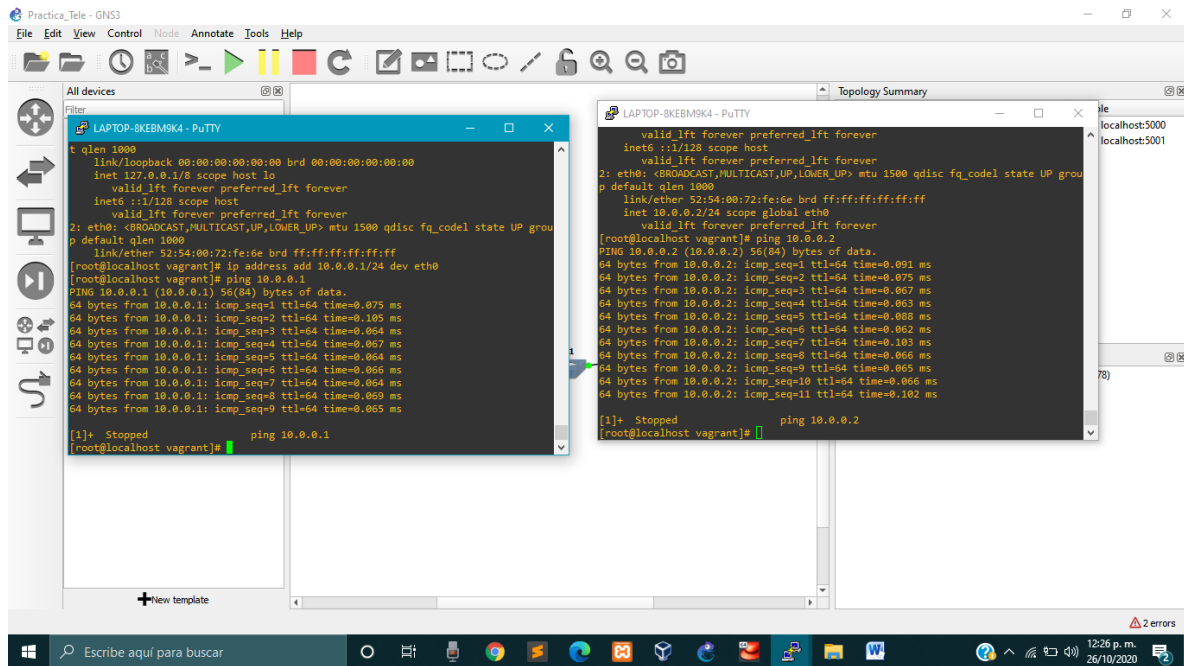
localhost:5000
localhost:5001

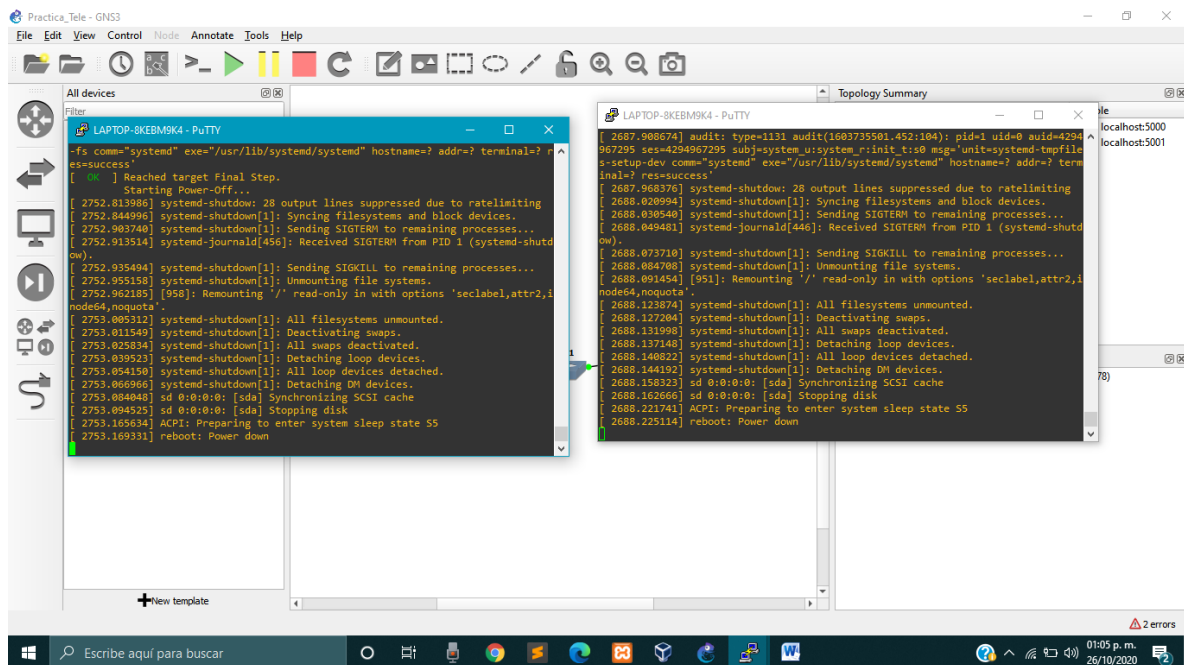
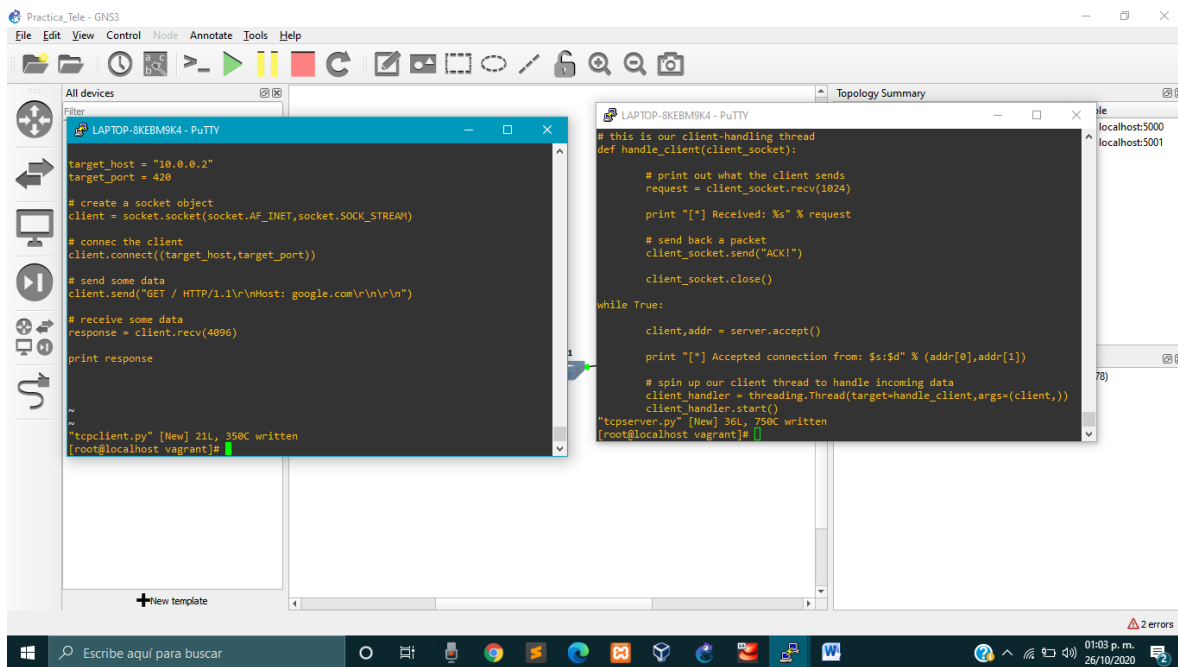
```
[ OK ] Started Command Scheduler.
[ OK ] Started Getty on tty1.
[ OK ] Reached target Login Prompts.
[ 16.226881] IPv6: eth0: IPv6 duplicate address fe80::5054:ff:fe72:fe6e used by 52:54:00:72:fe:6e detected!
[ OK ] Started Login Service.
[ OK ] Started Dynamic System Tuning Daemon.
[ 21.144980] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 21.750351] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 22.116248] snd_intel8x0 0000:00:05.0: measure - unreliable DMA position..
[ 22.120168] snd_intel8x0 0000:00:05.0: clocking to 48000

CentOS Linux 8 (Core)
Kernel 4.18.0-80.el8.x86_64 on an x86_64

localhost login: [ 61.025892] IPv6: eth0: IPv6 duplicate address fe80::5054:ff:fe72:fe6e used by 52:54:00:72:fe:6e detected!
[ 105.226398] IPv6: eth0: IPv6 duplicate address fe80::5054:ff:fe72:fe6e used by 52:54:00:72:fe:6e detected!
[ 150.312122] IPv6: eth0: IPv6 duplicate address fe80::5054:ff:fe72:fe6e used by 52:54:00:72:fe:6e detected!
vagrant
Password:
[vagrant@localhost ~]$
```

Windows taskbar: 12:22 p.m. 26/10/2020





Practica_Tele - GNS3

File Edit View Control Node Annotate Tools Help

Topology Summary

Node	Console
centos8_1_default_1603731921929_27417-1	telnet localhost:5000
Hub1	none
Server	telnet localhost:5001

Summary

GNS3 VM (centos8_2_default_1602785119886_91878)
LAPTOP-8KEBM9K4 CPU 17.3%, RAM 61.5%

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl>->

No.	Time	Source	Destination	Protocol	Length	Info
153	18.922478	192.168.0.4	192.168.0.1	DNS	77	Standard query 0xc...
154	18.923805	192.168.0.4	192.168.0.4	ICMP	105	Destination unreachable
155	19.107931	192.168.0.4	192.168.0.1	DNS	76	Standard query 0x06...
156	19.107934	192.168.0.4	192.168.0.1	DNS	75	Standard query 0x1c...
157	19.153871	192.168.0.4	192.168.0.1	DNS	77	Standard query 0x75...
158	19.155660	192.168.0.4	192.168.0.1	DNS	89	Standard query 0xf...
159	19.410651	192.168.0.4	192.168.0.1	DNS	77	Standard query 0x02...
160	19.923007	192.168.0.4	192.168.0.1	DNS	77	Standard query 0xc...
161	19.925266	192.168.0.1	192.168.0.4	ICMP	105	Destination unreachable

on wire (616 bits), 77 bytes captured (616 bits) on interface \Device\NPF_{D078CB85-8733-43C6-B9FA-04371C...
HonHaiPr_bd:85:7d (68:14:01:bd:85:7d), Dst: ARRISGro_ce:f2:c8 (fc:51:a4:ce:f2:c8)
.Version 4, Src: 192.168.0.4, Dst: 192.168.0.1
tocol, Src Port: 63366, Dst Port: 53
m (query)

0000 fc 51 a4 ce f2 c8 68 14 01 bd 85 7d 08 00 45 00 0...h...}...E...
0010 00 3f b2 de 00 00 00 11 06 7a c0 a8 00 04 c0 a8 ...}.....z.....
0020 00 01 f7 06 00 35 00 2b 45 b9 7d a8 01 00 00 015+ E }.....
0030 00 00 00 00 00 00 08 62 65 61 63 6f 6e 73 32 04b eacons2...
0040 67 76 74 32 03 63 6f 6d 00 00 01 00 01 gvt2.com

Escribe aquí para buscar

03:38 p. m.
26/10/2020

REPORTE DE CONCLUSIONES

Dada la información previamente analizada, se adquiere una noción más detallada de la utilización de la herramienta Wireshark, como un recurso para el análisis del tráfico de paquetes entre dos hosts conectados mediante el protocolo TCP, siendo este el protocolo que permite una conexión fiable.

Conforme a los resultados obtenidos a través de la práctica se ha logrado comprender el significado que adquiere cada uno de los campos que componen a las capas de Acceso, Red y Transporte.