



TECNOLOGICO NACIONAL DE MEXICO

INSTITUTO TECNOLÓGICO DE CANCÚN

FUNDAMENTOS DE TELECOMUNICACIONES

Ingeniería en Sistemas Computacionales

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ACTIVIDAD

“LABORATORIO 19”

UNIDAD 3

1)

The screenshot shows a Wireshark capture of a file named `gen-startupchatty101.pcapng`. The main packet list pane displays several packets, including DHCP requests and ICMPv6 Neighbor Solicitation and Multicast Listener Report messages. A packet details pane for Frame 1 (346 bytes) is open, showing the Ethernet II, Internet Protocol Version 4, and User Datagram Protocol (UDP) layers. The packet bytes pane shows the raw data in hexadecimal and ASCII. A Wireshark Conversations window is also open, showing the flow of traffic between the local interface and the destination IP 24.6.169.43.

No.	Time	Source	Destination	Protocol	Info
1	0.000000	0.0.0.0	255.255.255.255	DHCP	DHCP Request - Transaction ID 0x5f64a165
2	0.018693	73.121.224.1	24.6.169.43	DHCP	DHCP ACK - Transaction ID 0x5f64a165
3	0.025998	ASUSTeK 19:9e:19	Broadcast	ARP	Who has 24.6.169.1? Tell 24.6.169.43
4	0.026802	fe80::f829:1573:5f6...	ff02::1:ff31:bbc1	ICMPv6	Neighbor Solicitation for fe80::201:5cfff:fe31:bbc1 from c8:60:00:19:9e:19
5	0.026804	fe80::f829:1573:5f6...	ff02::16	ICMPv6	Multicast Listener Report Message v2
6	0.026827	fe80::f829:1573:5f6...	ff02::16	ICMPv6	Multicast Listener Report Message v2

2)

The screenshot shows a Wireshark capture of the same file `gen-startupchatty101.pcapng`. The main packet list pane displays several packets, including TCP SYN, ACK, and Client Hello messages. A packet details pane for Frame 26 (66 bytes) is open, showing the Ethernet II, Internet Protocol Version 4, and Transmission Control Protocol (TCP) layers. The packet bytes pane shows the raw data in hexadecimal and ASCII. A Wireshark Conversations window is also open, showing the flow of traffic between the local interface and the destination IP 24.6.169.43.

No.	Time	Source	Destination	Protocol	Info
26	0.192944	24.6.169.43	199.47.217.177	TCP	54689 → 443 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK_PERM=1
29	0.207285	199.47.217.177	24.6.169.43	TCP	443 → 54689 [SYN, ACK] Seq=0 Ack=1 Win=14600 Len=0 MSS=1460 SACK_PERM=1 WS=512
31	0.207288	24.6.169.43	199.47.217.177	TCP	54689 → 443 [ACK] Seq=1 Ack=1 Win=65700 Len=0
36	0.206689	24.6.169.43	199.47.217.177	TLSv1	Client Hello
37	0.274332	199.47.217.177	24.6.169.43	TCP	443 → 54689 [ACK] Seq=1 Ack=97 Win=14848 Len=0