



TECNOLOGICO NACIONAL DE MEXICO

INSTITUTO TECNOLÓGICO DE CANCÚN

FUNDAMENTOS DE TELECOMUNICACIONES

Ingeniería en Sistemas Computacionales

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ACTIVIDAD

“LABORATORIO 38”

UNIDAD 3

1)

The image shows a Wireshark capture of an FTP session. The main pane displays a list of packets, with packet 33 selected. The packet details pane shows the Transmission Control Protocol (TCP) segment, indicating a successful login and directory listing. The packet bytes pane shows the raw data of the packet, which is a directory listing response.

Packet 33 Details:

- Frame 33: 105 bytes on wire (840 bits), 105 bytes captured (840 bits) on interface unknown, id 0
- Ethernet II, Src: D-Link_cca:aea (00:13:46:cca:aea), Dst: IntelCor_d0:27:d7 (00:18:de:d0:27:d7)
- Internet Protocol Version 4, Src: 10.251.30.69, Dst: 192.168.0.101
- Transmission Control Protocol, Src Port: 21, Dst Port: 52912, Seq: 223, Ack: 100, Len: 51
- Source Port: 21
- Destination Port: 52912
- [Stream index: 0]
- [TCP Segment Len: 51]
- Sequence Number: 223 (relative sequence number)
- Sequence Number (raw): 4033378616
- [Next Sequence Number: 274 (relative sequence number)]

Packet 33 Bytes:

```

0000  00 18 de d0 27 d7 00 13 46 cc a3 ea 00 00 45 20  ....F....E
0010  00 5b f3 3a 40 00 32 06 34 f5 0a fb 1e 45 c0 a8  .[:@- 4...E..
0020  00 65 00 15 ce b0 f0 68 79 30 81 d9 db 8d 50 18  e.....h yB...P.
0030  00 5c 4d fc 00 00 32 30 30 20 50 4f 52 54 20 63  .VM... 20 0 PORT c
0040  6f 6d 6d 61 6e 64 20 73 75 63 63 65 73 73 66 75  ommand s uccessfu
0050  6c 2e 20 43 6f 6e 73 69 64 65 72 20 75 73 69 6e  l. Cons! der usin
0060  67 20 50 41 53 56 2e 0d 0a                      g PASV.. der usin
  
```

2)

The image shows a Wireshark capture of an FTP session. The main pane displays a list of packets, with packet 35 selected. The packet details pane shows the Transmission Control Protocol (TCP) segment, indicating a successful file transfer. The packet bytes pane shows the raw data of the packet, which is a file transfer response.

Packet 35 Details:

- Frame 35: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface unknown, id 0
- Ethernet II, Src: D-Link_cca:aea (00:13:46:cca:aea), Dst: IntelCor_d0:27:d7 (00:18:de:d0:27:d7)
- Internet Protocol Version 4, Src: 10.251.30.69, Dst: 192.168.0.101
- Transmission Control Protocol, Src Port: 20, Dst Port: 52914, Seq: 223, Ack: 100, Len: 51
- Source Port: 20
- Destination Port: 52914
- [Stream index: 2]
- [TCP Segment Len: 51]
- Sequence Number: 223 (relative sequence number)
- Sequence Number (raw): 406
- [Next Sequence Number: 1]

Packet 35 Bytes:

```

0000  00 18 de d0 27 d7 00 13 46 cc a3 ea 00 00 45 20  ....F....E
0010  00 5b f3 3a 40 00 32 06 34 f5 0a fb 1e 45 c0 a8  .[:@- 4...E..
0020  00 65 00 15 ce b0 f0 68 79 30 81 d9 db 8d 50 18  e.....h yB...P.
0030  00 5c 4d fc 00 00 32 30 30 20 50 4f 52 54 20 63  .VM... 20 0 PORT c
0040  6f 6d 6d 61 6e 64 20 73 75 63 63 65 73 73 66 75  ommand s uccessfu
0050  6c 2e 20 43 6f 6e 73 69 64 65 72 20 75 73 69 6e  l. Cons! der usin
0060  67 20 50 41 53 56 2e 0d 0a                      g PASV.. der usin
  
```

3)

Windows taskbar and application windows:

- Fotos - pantheon.jpg**: A photograph of the Pantheon in Rome, showing its large portico with Corinthian columns and a crowd of people in front.
- ftp-clientside101.pcapng**: A Wireshark packet capture window showing a TCP stream. The packet list on the left shows several packets, with packet 40 selected. The packet details pane shows the structure of the selected packet, including Ethernet II, Internet Protocol, and Transmission Control Protocol. The packet bytes pane shows the raw data in hexadecimal and ASCII.

The Wireshark window displays the following information:

- Packet List:** Shows a list of captured packets. Packet 40 is selected.
- Packet Details:** Shows the structure of the selected packet. The selected packet is a TCP Reset (RST) packet with the following details:
 - Ethernet II: Source: 10.0.0.1, Destination: 10.0.0.2
 - Internet Protocol: Source: 10.0.0.1, Destination: 10.0.0.2
 - Transmission Control Protocol: Source: 10.0.0.1, Destination: 10.0.0.2, Reset (RST), Seq: 1000000000, Win: 0, Len: 0
- Packet Bytes:** Shows the raw data of the selected packet in hexadecimal and ASCII.