



TECNOLÓGICO
NACIONAL DE MÉXICO



INSTITUTO TECNOLÓGICO DE CANCÚN

**INGENIERÍA EN
SISTEMAS COMPUTACIONALES**

FUNDAMENTOS DE TELECOMUNICACIONES

NOMBRE DEL ALUMNO:

CHAN BURGOS JOSE REYES

HORARIO

LUNES A JUEVES

5:00 PM – 6:00 PM

PROFESOR

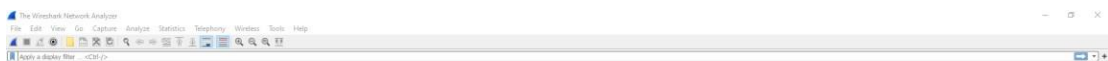
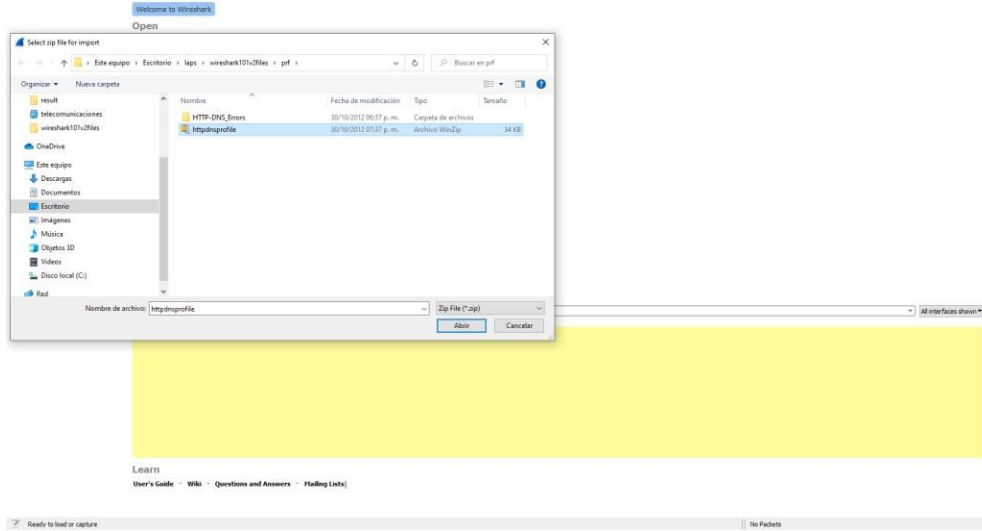
ING. ISMAEL JIMENEZ SANCHEZ



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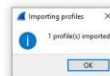
LABORATORIO 7.



Welcome to Wireshark

Open

C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-1.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-2.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-3.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-4.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-5.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-6.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-7.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-8.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-9.pcapng (101 KB)
C:\Users\l\OneDrive\Documents\Wireshark\101\challenge\101-10.pcapng (101 KB)



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Default
Classic
☒ **HTTP-DNS_Errors**
wireshark101
Bluetooth
No Reassembly
Profile: HTTP-DNS_Errors

Wireshark packet capture analysis showing HTTP-DNS_Errors profile. The packet list displays several DNS queries and responses, including standard queries for www.mexap.org and server failure responses. The packet details pane shows the structure of the captured packets, including Ethernet II, Internet Protocol Version 4, and User Datagram Protocol (UDP) fields. The packet bytes pane displays the raw data in hexadecimal and ASCII format.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	192.168.0.113	192.168.0.1	DNS	72	Standard query 0xa570 A www.mexap.org
2	0.000076	192.168.0.113	192.168.0.1	DNS	72	Standard query 0xa570 A www.mexap.org
3	0.000077	192.168.0.113	192.168.0.1	DNS	72	Standard query 0xa570 A www.mexap.org
4	0.000080	192.168.0.113	192.168.0.1	DNS	72	Standard query 0xa570 A www.mexap.org
5	0.000106	192.168.0.1	192.168.0.113	DNS	72	Standard query response 0xa570 Server failure A www.mexap.org
6	0.000141	68.87.76.103	192.168.0.113	DNS	72	Standard query response 0xa570 Server failure A www.mexap.org
7	0.000152	192.168.0.1	192.168.0.113	DNS	72	Standard query response 0xa570 Server failure A www.mexap.org
8	0.000153	68.87.76.106	192.168.0.113	DNS	72	Standard query response 0xa570 Server failure A www.mexap.org
9	0.020414	192.168.0.113	192.168.0.1	DNS	76	Standard query 0xb073 A d.getdropbox.com
10	0.037562	192.168.0.1	192.168.0.113	DNS	82	Standard query response 0xb073 A d.getdropbox.com A 174.36.36.68
11	0.107363	192.168.0.113	192.168.0.1	DNS	75	Standard query 0xb0ff A mail.google.com
12	0.210334	192.168.0.1	192.168.0.113	DNS	166	Standard query response 0xb0ff A mail.google.com CNAME googlesmail.google.com A 74.125.19.83 A 74.125.19.18 A 74.125.19.19 A 74.125.19.17
13	0.613082	192.168.0.113	192.168.0.1	DNS	76	Standard query 0xb05a A www.inecure.org
14	0.612721	192.168.0.113	192.168.0.1	DNS	76	Standard query 0xb05a A www.inecure.org
15	0.612721	192.168.0.113	192.168.0.1	DNS	76	Standard query 0xb05a A www.inecure.org
16	0.612087	192.168.0.113	192.168.0.1	DNS	76	Standard query 0xb05a A www.inecure.org

Frame 1: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface unknown, id 0
Ethernet II, Src: Elitigre_00:74:d2 (00:21:97:40:74:d2), Dst: D-link_ccalvea (00:13:46:cc:a3:ea)
Internet Protocol Version 4, Src: 192.168.0.113, Dst: 192.168.0.1
6000 = Version: 4
..... 0000 = Header Length: 20 bytes (5)
3 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 58
Identification: 0x2c01 (11473)
1 Flags: 0x0000
Fragment offset: 0
Time to live: 128
Protocol: UDP (17)
Header checksum: 0x0c1f [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.0.113
Destination: 192.168.0.1
User Datagram Protocol, Src Port: 52582 (52582), Dst Port: domain (53)
Domain Name System (Query)
0000 00 13 46 cc a3 ea 00 21 97 40 74 d2 00 00 05 00 E
0010 00 2c 2c 45 00 00 00 00 0c 1f c0 00 00 73 c0 00
0020 00 01 c0 15 00 35 00 25 45 4b 45 70 01 00 00 01 S
0030 00 00 00 00 00 00 02 77 77 77 00 00 6d 63 70 03 w
0040 6f 72 67 00 00 01 00 01 org



The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analysis, Statistics, Telephony, Wireless, Tools, and Help. The toolbar contains icons for various functions like opening files, saving, and filtering. The main window is divided into three panes:

- Packet List:** Shows a list of captured packets. Packet 72 is selected, showing a standard query from 192.168.0.113 to 192.168.0.1.
- Packet Details:** Provides a hierarchical view of the selected packet's structure. It shows an Ethernet II frame, an Internet Protocol Version 4 header, and a User Datagram Protocol (UDP) header. The application is identified as 'www.mmap.org'.
- Packet Bytes:** Displays the raw data of the selected packet in hexadecimal and ASCII. The data represents a DNS query for 'www.mmap.org'.

The status bar at the bottom indicates the current protocol is 'Protocol (0.proto), 1 byte(s)' and the packet is 'Packet 24 - Displayed: 24 (100.0%)'.