



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**

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## LABORATORIO 20.

[illegible]



The screenshot shows the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Help, and a search bar. The top toolbar contains icons for file operations, capture settings, and analysis. The main window is divided into three panes:

- Packet List:** Displays a list of captured packets. The first packet is selected, showing its details in the packet details pane.
- Packet Details:** Shows the hierarchical structure of the selected packet (No. 1). It includes the Ethernet II header, Internet Protocol Version 4 header, and Hypertext Transfer Protocol (HTTP) header.
- Packet Bytes:** Displays the raw packet data in hexadecimal and ASCII format.

The selected packet (No. 1) is an HTTP GET request from 192.168.1.100 to 192.168.1.1. The details pane shows the following information:

- Ethernet II, Src: vmxnet3 (08:00:2b:01:00:02), Dst: VirtualBox (08:00:2b:01:00:02):** This is the source and destination MAC address of the packet.
- Internet Protocol Version 4, Src: 192.168.1.100, Dst: 192.168.1.1:** This is the source and destination IP address of the packet.
- Hypertext Transfer Protocol, GET / HTTP/1.1:** This is the HTTP method and version of the request.

The packet bytes pane shows the raw data in hexadecimal and ASCII format, including the Ethernet II header, IP header, and HTTP header.

The screenshot shows a Wireshark interface with a single packet selected. The packet list pane displays:

No.	Source	Destination	Protocol	Length	Info
2007	68.89.77.2	10.0.1.10	TCP	60	5400 → 5700 [RST] Seq=41010131 Len=0 Window=0

The packet details pane shows the following layers:

- Ethernet II, Src: C-24-6-109-43-hdli.ca.comcast.net (24:6:109:43), Dst: C-24-6-173-220-hdli.ca.comcast.net (24:6:173:220)
- Internet Protocol Version 4, Src: C-24-6-109-43-hdli.ca.comcast.net (24.6.109.43), Dst: C-24-6-173-220-hdli.ca.comcast.net (24.6.173.220)
- Transmission Control Protocol, Src Port: 54000, Dst Port: 57000, Seq #: 41010131

The packet bytes pane shows the raw data in hexadecimal and ASCII:

```
0000  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  d.....E
0010  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  4 UDP -> RST...
0020  0f c5 05 af 40 5c c2 42 3af 02 00 00 00 00 00 00  ..S..
0030  20 00 1d 2a 00 00 02 04 05 b4 01 03 03 02 01 01    .....
0040  00 02                                              .....
```