

## **EXPRIMENT – 30**

### **Network Layer protocol header analysis Using Wire shark - HTTP**

**AIM:**To analysis capturing of transparent layer protocol analysis using wireshark HTTP

**SOFTWARE REQUIREMENT:**wireshark network layer analysis

#### **Procedure:**

- 1.open wire shark.
- 2.click on the list available capture interface.
- 3.choose the LAN interface.
- 4.click on the start button.
- 5.active packets will be displayed.
- 6.capture the packets and select any IP address from the source.
- 7.click on the expreesion and select IP, Source address in the field name.
- 8.select the double equals (==) from the selection and enter the selected IPaddress.
- 9.click on the apply address.
- 10.all the packets will be filtered using source address.

**RESULT:**Here the capturing of packets wireshark network analyzer was analysed for HTTP.

Wireshark - Packet 116 - HTTP

Frame 116: 165 bytes on wire (1320 bits), 165 bytes captured (1320 bits) on interface \Device\NPF\_{B6D47F28-B6C2-4D45-9184-DAF86C5C8BC0}, id 0

- Ethernet II, Src: Intel\_54:bb:7c (a0:d3:65:54:bb:7c), Dst: b2:d9:f9:27:fb:5a (b2:d9:f9:27:fb:5a)
- Internet Protocol Version 4, Src: 192.168.24.99, Dst: 49.44.116.238
- Transmission Control Protocol, Src Port: 54233, Dst Port: 80, Seq: 1, Ack: 1, Len: 111
- Hypertext Transfer Protocol

0000 b2 d9 f9 27 fb 5a a0 d3 65 54 bb 7c 08 00 45 00 ...Z...eT|...E  
0010 00 97 ce 1b 40 00 00 06 00 00 c0 a8 18 63 31 2c ...@...c1,  
0020 74 ee d3 09 00 50 4d 3e e1 af 0e af 49 25 50 18 t...PM>...IXP  
0030 02 00 7f af 00 00 47 45 54 20 2f 63 6f 6e 6e 65 ...GE T /conne  
0040 63 74 74 65 73 74 2e 74 78 74 20 48 54 54 50 2f cttest.txt HTTP/  
0050 31 2e 31 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a 1.1...Con nection:  
0060 20 43 6c 6f 73 65 0d 0a 55 73 65 72 2d 41 67 65 Close...User-Age  
0070 6e 74 3a 20 4d 69 63 72 6f 73 6f 66 74 20 4e 43 nt: Micr osoft NC  
0080 53 49 0d 0a 48 6f 73 74 3a 20 77 77 72 2e 6d 73 SI...Host : www.ms  
0090 66 74 63 6f 6e 6e 65 63 74 74 65 73 74 2e 63 6f ftconnec ttest.co  
00a0 6d 0d 0a 0d 0a m....

0: 116 - Time: 5.060632 - Source: 192.168.24.99 - Destination: 49.44.116.238 - Protocol: HTTP - Length: 165 - Info: GET /connecttest.txt HTTP/1.1

Show packet bytes Layout: Vertical (Stacked)