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Wireshark Lab 1-Introduction

1.

   - Internet Protocol Version 4
   - Transmission Control Protocol
   - Hypertext Transfer Protocol

2. 98,404 microseconds
3. The internet address of the gaia.cs.umass.edu is: 128.119.245.12
   The internet address of my computer is: 10.0.0.96
4.

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No.     Time            Source                Destination           Protocol Length Info
    273 18:58:48.440032    10.0.0.96            128.119.245.12        HTTP     480   GET /favicon.ico HTTP/1.1
Frame 273: 480 bytes on wire (3840 bits), 480 bytes captured (3840 bits) on interface \Device\NPF_{2748DDCA-
E1DE-4281-80C4-430F4323F5A7}, id 0
Ethernet II, Src: Giga-Byt_07:19:d9 (d8:5e:d3:07:19:d9), Dst: Technico_ac:2b:0c (dc:eb:69:ac:2b:0c)
Internet Protocol Version 4, Src: 10.0.0.96, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 466
    Identification: 0x2566 (9574)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: TCP (6)
    Header Checksum: 0x0000 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.0.0.96
    Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 62668, Dst Port: 80, Seq: 1, Ack: 1, Len: 426
Hypertext Transfer Protocol
No.     Time            Source                Destination           Protocol Length Info
    300 18:58:48.538436    128.119.245.12        10.0.0.96            HTTP     539   HTTP/1.1 404 Not Found  (text/html)
Frame 300: 539 bytes on wire (4312 bits), 539 bytes captured (4312 bits) on interface \Device\NPF_{2748DDCA-
E1DE-4281-80C4-430F4323F5A7}, id 0
Ethernet II, Src: Technico_ac:2b:0c (dc:eb:69:ac:2b:0c), Dst: Giga-Byt_07:19:d9 (d8:5e:d3:07:19:d9)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.96
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 525
    Identification: 0x9c05 (39941)
    010. .... = Flags: 0x2, Don't fragment
        0... .... = Reserved bit: Not set
        .1.. .... = Don't fragment: Set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 27
    Protocol: TCP (6)
    Header Checksum: 0x4202 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 128.119.245.12
    Destination Address: 10.0.0.96
Transmission Control Protocol, Src Port: 80, Dst Port: 62668, Seq: 1, Ack: 427, Len: 485
Hypertext Transfer Protocol
Line-based text data: text/html (7 lines)
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