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                                                                    04/10/2012
                                                                    Homework 1

1. ARP, DHCP, DNS, HTTP, ICMPv6, IGMP, MDNS, NTP, SSDP, TCP


2. Around 0.2 seconds


3. The server to which I sent the HTTP request is at 128.119.245.12
   My IP address (as listed by wireshark) is 192.168.1.110


4.


No.     Time          Source                    Destination             Protocol Info
     63 5.437345      192.168.1.110             128.119.245.12          HTTP     GET /wireshark-labs/INTRO-wireshark-fil
e1.html HTTP/1.1

Frame 63: 512 bytes on wire (4096 bits), 512 bytes captured (4096 bits)
Ethernet II, Src: HewlettP_16:ca:45 (10:1f:74:16:ca:45), Dst: Cisco-Li_42:d2:df (68:7f:74:42:d2:df)
Internet Protocol, Src: 192.168.1.110 (192.168.1.110), Dst: 128.119.245.12 (128.119.245.12)
Transmission Control Protocol, Src Port: 40420 (40420), Dst Port: http (80), Seq: 1, Ack: 1, Len: 446
Hypertext Transfer Protocol
  GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
  Host: gaia.cs.umass.edu\r\n
  User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux i686; rv:11.0) Gecko/20100101 Firefox/11.0\r\n
  Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\n
  Accept-Language: en-us,en;q=0.5\r\n
  Accept-Encoding: gzip, deflate\r\n
  Connection: keep-alive\r\n
  If-Modified-Since: Sat, 07 Apr 2012 22:01:01 GMT\r\n
  If-None-Match: "8734b-51-e89ac140"\r\n
  Cache-Control: max-age=0\r\n
  \r\n




No.     Time          Source                    Destination             Protocol Info
     65 5.633541      128.119.245.12            192.168.1.110           HTTP     HTTP/1.1 200 OK  (text/html)

Frame 65: 446 bytes on wire (3568 bits), 446 bytes captured (3568 bits)
Ethernet II, Src: Cisco-Li_42:d2:df (68:7f:74:42:d2:df), Dst: HewlettP_16:ca:45 (10:1f:74:16:ca:45)
Internet Protocol, Src: 128.119.245.12 (128.119.245.12), Dst: 192.168.1.110 (192.168.1.110)
Transmission Control Protocol, Src Port: http (80), Dst Port: 40420 (40420), Seq: 1, Ack: 447, Len: 380
Hypertext Transfer Protocol
  HTTP/1.1 200 OK\r\n
  Date: Sat, 07 Apr 2012 22:02:51 GMT\r\n
  Server: Apache/2.2.3 (CentOS)\r\n
  Last-Modified: Sat, 07 Apr 2012 22:02:01 GMT\r\n
  ETag: "8734b-51-ec2e4840"\r\n
  Accept-Ranges: bytes\r\n
  Content-Length: 81\r\n
  Keep-Alive: timeout=10, max=100\r\n
  Connection: Keep-Alive\r\n
  Content-Type: text/html; charset=UTF-8\r\n
  \r\n
Line-based text data: text/html
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