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No.      Time      Source      Destination      Protocol Length Info
  7 3.101342    192.168.0.101 192.168.0.1      DNS           73      Standard query 0x03d8 A bitsy.mit.edu
Frame 7: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 58723, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x03d8
  Flags: 0x0100 Standard query
    0... .. = Response: Message is a query
    .000 0... .. = Opcode: Standard query (0)
    .... .. = Truncated: Message is not truncated
    ....1 .. = Recursion desired: Do query recursively
    .... .0.. .. = Z: reserved (0)
    .... ..0 .. = Non-authenticated data: Unacceptable
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
    bitsy.mit.edu: type A, class IN
      Name: bitsy.mit.edu
      [Name Length: 13]
      [Label Count: 3]
      Type: A (Host Address) (1)
      Class: IN (0x0001)
  [Response In: 8]
No.      Time      Source      Destination      Protocol Length Info
  8 3.104620    192.168.0.1 192.168.0.101    DNS           89      Standard query response 0x03d8
A bitsy.mit.edu A 18.0.72.3
Frame 8: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.101
User Datagram Protocol, Src Port: 53, Dst Port: 58723
Domain Name System (response)
  Transaction ID: 0x03d8
  Flags: 0x8180 Standard query response, No error
    1... .. = Response: Message is a response
    .000 0... .. = Opcode: Standard query (0)
    .... .. = Authoritative: Server is not an authority for domain
    .... .. = Truncated: Message is not truncated
    ....1 .. = Recursion desired: Do query recursively
    .... 1... .. = Recursion available: Server can do recursive queries
    .... .0.. .. = Z: reserved (0)
    .... ..0 .. = Answer authenticated: Answer/authority portion was not authenticated by the server
    .... ..0 .. = Non-authenticated data: Unacceptable
    .... .. 0000 = Reply code: No error (0)
  Questions: 1
  Answer RRs: 1
  Authority RRs: 0
  Additional RRs: 0
  Queries
    bitsy.mit.edu: type A, class IN
      Name: bitsy.mit.edu
      [Name Length: 13]
      [Label Count: 3]
      Type: A (Host Address) (1)
      Class: IN (0x0001)
  Answers
  [Request In: 7]
  [Time: 0.003278000 seconds]
No.      Time      Source      Destination      Protocol Length Info
  9 3.107250    192.168.0.101 18.0.72.3        DNS           82      Standard query 0x0001 PTR 3.72.0.18.in-
addr.arpa
Frame 9: 82 bytes on wire (656 bits), 82 bytes captured (656 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 18.0.72.3
User Datagram Protocol, Src Port: 58724, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0001
  Flags: 0x0100 Standard query
    0... .. = Response: Message is a query
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.000 0... .. = Opcode: Standard query (0)
.... ..0. .... = Truncated: Message is not truncated
.... ..1. .... = Recursion desired: Do query recursively
.... ..0.. .... = Z: reserved (0)
.... ..0 .... = Non-authenticated data: Unacceptable
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
  3.72.0.18.in-addr.arpa: type PTR, class IN
    Name: 3.72.0.18.in-addr.arpa
    [Name Length: 22]
    [Label Count: 6]
    Type: PTR (domain name PoinTeR) (12)
    Class: IN (0x0001)
[Response In: 10]
No.      Time      Source      Destination      Protocol Length Info
   10  3.109339    18.0.72.3    192.168.0.101      DNS        150    Standard query response 0x0001 PTR
3.72.0.18.in-addr.arpa SOA ns.lanet.ua
Frame 10: 150 bytes on wire (1200 bits), 150 bytes captured (1200 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b)
Internet Protocol Version 4, Src: 18.0.72.3, Dst: 192.168.0.101
User Datagram Protocol, Src Port: 53, Dst Port: 58724
Domain Name System (response)
  Transaction ID: 0x0001
  Flags: 0x8580 Standard query response, No error
    1... .. = Response: Message is a response
    .000 0... .. = Opcode: Standard query (0)
    .... ..1. .... = Authoritative: Server is an authority for domain
    .... ..0. .... = Truncated: Message is not truncated
    .... ..1. .... = Recursion desired: Do query recursively
    .... ..1... .. = Recursion available: Server can do recursive queries
    .... ..0.. .... = Z: reserved (0)
    .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
    .... ..0 .... = Non-authenticated data: Unacceptable
    .... ..0000 = Reply code: No error (0)
Questions: 1
Answer RRs: 0
Authority RRs: 1
Additional RRs: 0
Queries
  3.72.0.18.in-addr.arpa: type PTR, class IN
    Name: 3.72.0.18.in-addr.arpa
    [Name Length: 22]
    [Label Count: 6]
    Type: PTR (domain name PoinTeR) (12)
    Class: IN (0x0001)
Authoritative nameservers
[Request In: 9]
[Time: 0.002089000 seconds]
No.      Time      Source      Destination      Protocol Length Info
   11  3.114173    192.168.0.101    18.0.72.3      DNS         74    Standard query 0x0002 A www.aiit.or.kr
Frame 11: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 18.0.72.3
User Datagram Protocol, Src Port: 58725, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0002
  Flags: 0x0100 Standard query
    0... .. = Response: Message is a query
    .000 0... .. = Opcode: Standard query (0)
    .... ..0. .... = Truncated: Message is not truncated
    .... ..1. .... = Recursion desired: Do query recursively
    .... ..0.. .... = Z: reserved (0)
    .... ..0 .... = Non-authenticated data: Unacceptable
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
  www.aiit.or.kr: type A, class IN
    Name: www.aiit.or.kr
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[Name Length: 14]
[Label Count: 4]
Type: A (Host Address) (1)
Class: IN (0x0001)

[Response In: 12]
No.      Time      Source      Destination      Protocol Length Info
12 3.116246 18.0.72.3 192.168.0.101 DNS 130 Standard query response 0x0002
A www.aiit.or.kr A 194.50.85.176 NS ns.lanet.ua A 194.50.85.1
Frame 12: 130 bytes on wire (1040 bits), 130 bytes captured (1040 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b)
Internet Protocol Version 4, Src: 18.0.72.3, Dst: 192.168.0.101
User Datagram Protocol, Src Port: 53, Dst Port: 58725
Domain Name System (response)
Transaction ID: 0x0002
Flags: 0x8580 Standard query response, No error
1... .. = Response: Message is a response
.000 0... .. = Opcode: Standard query (0)
.... .1.. .. = Authoritative: Server is an authority for domain
.... .0. .... = Truncated: Message is not truncated
.... ...1 .... = Recursion desired: Do query recursively
.... .... 1... .. = Recursion available: Server can do recursive queries
.... .... .0.. .. = Z: reserved (0)
.... .... .0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
.... .... ...0 .... = Non-authenticated data: Unacceptable
.... .... .... 0000 = Reply code: No error (0)
Questions: 1
Answer RRs: 1
Authority RRs: 1
Additional RRs: 1
Queries
www.aiit.or.kr: type A, class IN
Name: www.aiit.or.kr
[Name Length: 14]
[Label Count: 4]
Type: A (Host Address) (1)
Class: IN (0x0001)
Answers
Authoritative nameservers
Additional records
[Request In: 11]
[Time: 0.002073000 seconds]
No.      Time      Source      Destination      Protocol Length Info
13 3.117183 192.168.0.101 18.0.72.3 DNS 74 Standard query 0x0003 AAAA www.aiit.or.kr
Frame 13: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 18.0.72.3
User Datagram Protocol, Src Port: 58726, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x0003
Flags: 0x0100 Standard query
0... .. = Response: Message is a query
.000 0... .. = Opcode: Standard query (0)
.... .0. .... = Truncated: Message is not truncated
.... ...1 .... = Recursion desired: Do query recursively
.... .... .0.. .. = Z: reserved (0)
.... .... ...0 .... = Non-authenticated data: Unacceptable
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
www.aiit.or.kr: type AAAA, class IN
Name: www.aiit.or.kr
[Name Length: 14]
[Label Count: 4]
Type: AAAA (IPv6 Address) (28)
Class: IN (0x0001)
[Response In: 14]
No.      Time      Source      Destination      Protocol Length Info
14 3.118907 18.0.72.3 192.168.0.101 DNS 142 Standard query response 0x0003
AAAA www.aiit.or.kr SOA ns.lanet.ua
Frame 14: 142 bytes on wire (1136 bits), 142 bytes captured (1136 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
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C:\Users\thegr\Desktop\Nets lab\Lab3\dump\_after\_nslookup www.aiit.or.kr.pcapng 35 total packets, 8 shown

Ethernet II, Src: Tp-LinkT\_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr\_93:ff:4b (90:32:4b:93:ff:4b)  
Internet Protocol Version 4, Src: 18.0.72.3, Dst: 192.168.0.101  
User Datagram Protocol, Src Port: 53, Dst Port: 58726  
Domain Name System (response)  
Transaction ID: 0x0003  
Flags: 0x8580 Standard query response, No error  
1... .. = Response: Message is a response  
.000 0... .. = Opcode: Standard query (0)  
.... .1.. .. = Authoritative: Server is an authority for domain  
.... ..0. .... = Truncated: Message is not truncated  
.... ..1 .... = Recursion desired: Do query recursively  
.... ..1... .. = Recursion available: Server can do recursive queries  
.... ..0... .. = Z: reserved (0)  
.... ..0... .. = Answer authenticated: Answer/authority portion was not authenticated by the server  
.... ..0 .... = Non-authenticated data: Unacceptable  
.... ..0000 = Reply code: No error (0)  
Questions: 1  
Answer RRs: 0  
Authority RRs: 1  
Additional RRs: 0  
Queries  
    www.aiit.or.kr: type AAAA, class IN  
        Name: www.aiit.or.kr  
        [Name Length: 14]  
        [Label Count: 4]  
        Type: AAAA (IPv6 Address) (28)  
        Class: IN (0x0001)  
Authoritative nameservers  
[Request In: 13]  
[Time: 0.001724000 seconds]