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58 3.851161      192.168.0.1      192.168.0.18      DHCP      342      DHCP Offer      - Transaction ID 0x4ab751cf
Frame 58: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Netgear_f6:28:ea (50:6a:03:f6:28:ea), Dst: Dell_19:80:f2 (00:23:ae:19:80:f2)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.18
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 328
  Identification: 0xdead (57005)
  Flags: 0x00
  Fragment offset: 0
  Time to live: 128
  Protocol: UDP (17)
  Header checksum: 0xd993 [validation disabled]
  Source: 192.168.0.1
  Destination: 192.168.0.18
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
User Datagram Protocol, Src Port: 67 (67), Dst Port: 68 (68)
  Source Port: 67
  Destination Port: 68
  Length: 308
  Checksum: 0xba84 [validation disabled]
  [Stream index: 5]
Bootstrap Protocol (Offer)
  Message type: Boot Reply (2)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x4ab751cf
  Seconds elapsed: 0
  Bootp flags: 0x0000 (Unicast)
    0... .... = Broadcast flag: Unicast
    .000 0000 0000 0000 = Reserved flags: 0x0000
  Client IP address: 0.0.0.0
  Your (client) IP address: 192.168.0.18
  Next server IP address: 192.168.0.1
  Relay agent IP address: 0.0.0.0
  Client MAC address: Dell_19:80:f2 (00:23:ae:19:80:f2)
  Client hardware address padding: 00000000000000000000
  Server host name not given
  Boot file name not given
  Magic cookie: DHCP
  Option: (53) DHCP Message Type (Offer)
    Length: 1
    DHCP: Offer (2)
  Option: (1) Subnet Mask
    Length: 4
    Subnet Mask: 255.255.255.0
  Option: (2) Time Offset
    Length: 4
    Time Offset: (0s) 0 seconds
  Option: (3) Router
    Length: 4
    Router: 192.168.0.1
  Option: (23) Default IP Time-to-Live
    Length: 1
    Default IP Time-to-Live: 64
  Option: (51) IP Address Lease Time
    Length: 4
    IP Address Lease Time: (86400s) 1 day
  Option: (54) DHCP Server Identifier
    Length: 4
    DHCP Server Identifier: 192.168.0.1
  Option: (58) Renewal Time Value
    Length: 4
    Renewal Time Value: (43200s) 12 hours
  Option: (59) Rebinding Time Value
    Length: 4
    Rebinding Time Value: (75600s) 21 hours
  Option: (6) Domain Name Server
    Length: 8
    Domain Name Server: 209.18.47.62
```

C:\Users\Himangshu\Google Drive\NC\_State\_Spring\_2016\Computer Networks\Wireshark\WS4\dhcp\_ws\_lab\_4.pcapng 1880 total packets, 11 shown

Domain Name Server: 209.18.47.61  
Option: (255) End  
Option End: 255  
Padding: 00