

No.	Time	Source	Destination	Protocol	Length	Info
4	8.632950	192.168.1.1	255.255.255.255	DHCP	590	DHCP Offer - Transaction ID 0x3e5e0ce3

Frame 4: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits)

Encapsulation type: Ethernet (1)

Arrival Time: Aug 29, 2004 09:57:23.659783000 Pacific Daylight Time

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1093798643.659783000 seconds

[Time delta from previous captured frame: 1.044069000 seconds]

[Time delta from previous displayed frame: 1.045765000 seconds]

[Time since reference or first frame: 8.632950000 seconds]

Frame Number: 4

Frame Length: 590 bytes (4720 bits)

Capture Length: 590 bytes (4720 bits)

[Frame is marked: False]

[Frame is ignored: False]

[Protocols in frame: eth:ethertype:ip:udp:dhcp]

[Coloring Rule Name: UDP]

[Coloring Rule String: udp]

Ethernet II, Src: LinksysG_da:af:73 (00:06:25:da:af:73), Dst: Broadcast (ff:ff:ff:ff:ff:ff)

Destination: Broadcast (ff:ff:ff:ff:ff:ff)

Address: Broadcast (ff:ff:ff:ff:ff:ff)

.... ..1. = LG bit: Locally administered address (this is NOT the factory default)

....1 = IG bit: Group address (multicast/broadcast)

Source: LinksysG_da:af:73 (00:06:25:da:af:73)

Address: LinksysG_da:af:73 (00:06:25:da:af:73)

.... ..0. = LG bit: Globally unique address (factory default)

....0 = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.1, Dst: 255.255.255.255

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

0000 00.. = Differentiated Services Codepoint: Default (0)

.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)

Total Length: 576

Identification: 0x0108 (264)

Flags: 0x00

0... = Reserved bit: Not set

.0.. = Don't fragment: Not set

..0. = More fragments: Not set

Fragment Offset: 0

Time to Live: 150

Protocol: UDP (17)

Header Checksum: 0x5ffc [validation disabled]

[Header checksum status: Unverified]

Source Address: 192.168.1.1

Destination Address: 255.255.255.255

User Datagram Protocol, Src Port: 67, Dst Port: 68

Source Port: 67

Destination Port: 68

Length: 556

Checksum: 0x7223 [unverified]

[Checksum Status: Unverified]

[Stream index: 2]

[Timestamps]

[Time since first frame: 0.000000000 seconds]

[Time since previous frame: 0.000000000 seconds]

UDP payload (548 bytes)

Dynamic Host Configuration Protocol (Offer)

Message type: Boot Reply (2)

Hardware type: Ethernet (0x01)

Hardware address length: 6

Hops: 0

Transaction ID: 0x3e5e0ce3

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: 192.168.1.101

Next server IP address: 0.0.0.0

Relay agent IP address: 0.0.0.0

Client MAC address: Dell_4f:36:23 (00:08:74:4f:36:23)

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 (255.255.255.0)  
Length: 4  
Subnet Mask: 255.255.255.0  
Option: (3) Router  
Length: 4  
Router: 192.168.1.1  
Option: (6) Domain Name Server  
Length: 8  
Domain Name Server: 63.240.76.19  
Domain Name Server: 204.127.198.19  
Option: (15) Domain Name  
Length: 22  
Domain Name: ne2.client2.attbi.com  
Option: (51) IP Address Lease Time  
Length: 4  
IP Address Lease Time: (86400s) 1 day  
Option: (54) DHCP Server Identifier (192.168.1.1)  
Length: 4  
DHCP Server Identifier: 192.168.1.1  
Option: (255) End  
Option End: 255  
Padding: 0000000000000000000000000000000000000000000000000000000000000000...  
No.      Time           Source            Destination       Protocol Length Info  
   6 8.635133     192.168.1.1      255.255.255.255    DHCP        590    DHCP ACK - Transaction ID 0x3e5e0ce3
```

Frame 6: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits)

Encapsulation type: Ethernet (1)
Arrival Time: Aug 29, 2004 09:57:23.661966000 Pacific Daylight Time
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1093798643.661966000 seconds
[Time delta from previous captured frame: 0.002010000 seconds]
[Time delta from previous displayed frame: 0.002010000 seconds]
[Time since reference or first frame: 8.635133000 seconds]
Frame Number: 6
Frame Length: 590 bytes (4720 bits)
Capture Length: 590 bytes (4720 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dhcp]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: LinksysG_da:af:73 (00:06:25:da:af:73), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Destination: Broadcast (ff:ff:ff:ff:ff:ff)
Address: Broadcast (ff:ff:ff:ff:ff:ff)
.... ..1. = LG bit: Locally administered address (this is NOT the factory default)
.... ...1 = IG bit: Group address (multicast/broadcast)
Source: LinksysG_da:af:73 (00:06:25:da:af:73)
Address: LinksysG_da:af:73 (00:06:25:da:af:73)
.... ..0. = LG bit: Globally unique address (factory default)
.... ...0 = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.1, Dst: 255.255.255.255
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 576
Identification: 0x0109 (265)
Flags: 0x00
0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set
Fragment Offset: 0
Time to Live: 150
Protocol: UDP (17)
Header Checksum: 0x5ffb [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.1.1
Destination Address: 255.255.255.255

User Datagram Protocol, Src Port: 67, Dst Port: 68
Source Port: 67
Destination Port: 68
Length: 556
Checksum: 0x6f23 [unverified]
[Checksum Status: Unverified]
[Stream index: 2]
[Timestamps]
[Time since first frame: 0.002183000 seconds]
[Time since previous frame: 0.002183000 seconds]
UDP payload (548 bytes)

[illegible]