

No.	Time	Source	Destination	Protocol	Length	Info
17	217.387261	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x22334458

Frame 17: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits)

Encapsulation type: Ethernet (1)
Arrival Time: Nov 5, 2024 17:38:57.494741000 Est
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1730846337.494741000 seconds
[Time delta from previous captured frame: 67.349317000 seconds]
[Time delta from previous displayed frame: 0.000000000 seconds]
[Time since reference or first frame: 217.387261000 seconds]

Frame Number: 17
Frame Length: 342 bytes (2736 bits)
Capture Length: 342 bytes (2736 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: 00:1c:e8:01:6b:44, Dst: ff:ff:ff:ff:ff:ff

Destination: ff:ff:ff:ff:ff:ff
Address: 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: 00:1c:e8:01:6b:44
Address: 00:1c:e8:01:6b:44
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 0.0.0.0, 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: 328

Identification: 0x0007 (7)

Flags: 0x00

0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set

Fragment Offset: 0

Time to Live: 64

Protocol: UDP (17)

Header Checksum: 0x799f [validation disabled]

[Header checksum status: Unverified]

Source Address: 0.0.0.0

Destination Address: 255.255.255.255

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

Source Port: 68

Destination Port: 67

Length: 308

Checksum: 0xb302 [unverified]

[Checksum Status: Unverified]

[Stream index: 0]

[Timestamps]

[Time since first frame: 0.000000000 seconds]

[Time since previous frame: 0.000000000 seconds]

UDP payload (300 bytes)

Dynamic Host Configuration Protocol (Discover)

Message type: Boot Request (1)

Hardware type: Ethernet (0x01)

Hardware address length: 6

Hops: 0

Transaction ID: 0x22334458

Seconds elapsed: 183

Bootp flags: 0x8000, Broadcast flag (Broadcast)

1... = Broadcast flag: Broadcast

.000 0000 0000 0000 = Reserved flags: 0x0000

Client IP address: 0.0.0.0

Your (client) IP address: 0.0.0.0

Next server IP address: 0.0.0.0

Relay agent IP address: 0.0.0.0

Client MAC address: 00:1c:e8:01:6b:44

Client hardware address padding: 00000000000000000000

Server host name not given

Boot file name not given

Magic cookie: DHCP

Option: (53) DHCP Message Type (Discover)

Length: 1

DHCP: Discover (1)

Client IP address: 0.0.0.0
Your (client) IP address: 192.168.66.129
Next server IP address: 0.0.0.0
Relay agent IP address: 0.0.0.0
Client MAC address: 00:1c:e8:01:6b:44
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: (54) DHCP Server Identifier (192.168.66.1)
Length: 4
DHCP Server Identifier: 192.168.66.1
Option: (51) IP Address Lease Time
Length: 4
IP Address Lease Time: (85978s) 23 hours, 52 minutes, 58 seconds
Option: (1) Subnet Mask (255.255.255.0)
Length: 4
Subnet Mask: 255.255.255.0
Option: (3) Router
Length: 4
Router: 192.168.66.1
Option: (6) Domain Name Server
Length: 4
Domain Name Server: 192.168.66.1
Option: (15) Domain Name
Length: 16
Domain Name: monnotaire.local
Option: (255) End
Option End: 255
Padding: 0000000000000000

No.	Time	Source	Destination	Protocol	Length	Info
20	217.388461	0.0.0.0	255.255.255.255	DHCP	371	DHCP Request - Transaction ID 0x22334458[Malformed Packet]

Frame 20: 371 bytes on wire (2968 bits), 371 bytes captured (2968 bits)

Encapsulation type: Ethernet (1)
Arrival Time: Nov 5, 2024 17:38:57.495941000 Est
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1730846337.495941000 seconds
[Time delta from previous captured frame: 0.001009000 seconds]
[Time delta from previous displayed frame: 0.001009000 seconds]
[Time since reference or first frame: 217.388461000 seconds]
Frame Number: 20
Frame Length: 371 bytes (2968 bits)
Capture Length: 371 bytes (2968 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: 00:1c:e8:01:6b:44, Dst: ff:ff:ff:ff:ff:ff
Destination: ff:ff:ff:ff:ff:ff
Address: ff:ff:ff:ff:ff:ff
.... 01. = LG bit: Locally administered address (this is NOT the factory default)
.... 01. = IG bit: Group address (multicast/broadcast)
Source: 00:1c:e8:01:6b:44
Address: 00:1c:e8:01:6b:44
.... 0. = LG bit: Globally unique address (factory default)
.... 0. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 0.0.0.0, 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: 357
Identification: 0x0009 (9)
Flags: 0x00
0... = Reserved bit: Not set
.0.. = Don't fragment: Not set
..0. = More fragments: Not set
Fragment Offset: 0
Time to Live: 64
Protocol: UDP (17)
Header Checksum: 0x7980 [validation disabled]
[Header checksum status: Unverified]
Source Address: 0.0.0.0

Destination Address: 255.255.255.255
User Datagram Protocol, Src Port: 68, Dst Port: 67
Source Port: 68
Destination Port: 67
Length: 337
Checksum: 0x34d0 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
[Timestamps]
[Time since first frame: 0.001200000 seconds]
[Time since previous frame: 0.001200000 seconds]

UDP payload (329 bytes)
Dynamic Host Configuration Protocol (Request)
Message type: Boot Request (1)
Hardware type: Ethernet (0x01)
Hardware address length: 6
Hops: 0
Transaction ID: 0x22334458
Seconds elapsed: 183
Bootp flags: 0x8000, Broadcast flag (Broadcast)
1... = Broadcast flag: Broadcast
.000 0000 0000 0000 = Reserved flags: 0x0000
Client IP address: 0.0.0.0
Your (client) IP address: 0.0.0.0
Next server IP address: 0.0.0.0
Relay agent IP address: 0.0.0.0
Client MAC address: 00:1c:e8:01:6b:44
Client hardware address padding: 00000000000000000000
Server host name not given
Boot file name not given
Magic cookie: DHCP
Option: (53) DHCP Message Type (Request)
Length: 1
DHCP: Request (3)
Option: (50) Requested IP Address (192.168.66.129)
Length: 4
Requested IP Address: 192.168.66.129
Option: (1) Subnet Mask (255.255.255.0)
Length: 4
Subnet Mask: 255.255.255.0
Option: (3) Router
Length: 4
Router: 192.168.66.1
Option: (6) Domain Name Server
Length: 4
Domain Name Server: 192.168.66.1
Option: (51) IP Address Lease Time
Length: 4
IP Address Lease Time: (85978s) 23 hours, 52 minutes, 58 seconds
Option: (55) Parameter Request List
Length: 4
Parameter Request List Item: (1) Subnet Mask
Parameter Request List Item: (3) Router
Parameter Request List Item: (6) Domain Name Server
Parameter Request List Item: (15) Domain Name
Option: (54) DHCP Server Identifier (192.168.66.1)
Length: 4
DHCP Server Identifier: 192.168.66.1
Option: (81) Client Fully Qualified Domain Name
Length: 9
Flags: 0x67, Encoding, Server overrides, Server
0110 = Reserved flags: 0x6
.... 0... = Server DDNS: Some server updates
.... .1.. = Encoding: Binary encoding
.... ..1. = Server overrides: Override
.... ...1 = Server: Server

A-RR result: 101
PTR-RR result: 110
[Malformed Packet: DHCP/BOOTP]
[Expert Info (Error/Malformed): Malformed Packet (Exception occurred)]
[Malformed Packet (Exception occurred)]
[Severity level: Error]
[Group: Malformed]

No.	Time	Source	Destination	Protocol	Length	Info
21	217.388589	192.168.66.1	255.255.255.255	DHCP	342	DHCP ACK - Transaction ID 0x22334458

Frame 21: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits)
Encapsulation type: Ethernet (1)
Arrival Time: Nov 5, 2024 17:38:57.496069000 Est
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1730846337.496069000 seconds

```
[Time delta from previous captured frame: 0.000128000 seconds]
[Time delta from previous displayed frame: 0.000128000 seconds]
[Time since reference or first frame: 217.388589000 seconds]
Frame Number: 21
Frame Length: 342 bytes (2736 bits)
Capture Length: 342 bytes (2736 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: 94:c6:91:19:c0:20, Dst: ff:ff:ff:ff:ff:ff
Destination: ff:ff:ff:ff:ff:ff
Address: 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: 94:c6:91:19:c0:20
Address: 94:c6:91:19:c0:20
.... ..0. .... .. = LG bit: Globally unique address (factory default)
.... ..0 .... .. = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.66.1, Dst: 255.255.255.255
0100 .... = Version: 4
... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x10 (DSCP: Unknown, ECN: Not-ECT)
0001 00.. = Differentiated Services Codepoint: Unknown (4)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 328
Identification: 0x0000 (0)
Flags: 0x00
0... .... = Reserved bit: Not set
.0.. .... = Don't fragment: Not set
..0. .... = More fragments: Not set
Fragment Offset: 0
Time to Live: 128
Protocol: UDP (17)
Header Checksum: 0x36ec [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.66.1
Destination Address: 255.255.255.255
User Datagram Protocol, Src Port: 67, Dst Port: 68
Source Port: 67
Destination Port: 68
Length: 308
Checksum: 0x66a8 [unverified]
[Checksum Status: Unverified]
[Stream index: 2]
[Timestamps]
[Time since first frame: 0.001137000 seconds]
[Time since previous frame: 0.001137000 seconds]
UDP payload (300 bytes)
Dynamic Host Configuration Protocol (ACK)
Message type: Boot Reply (2)
Hardware type: Ethernet (0x01)
Hardware address length: 6
Hops: 0
Transaction ID: 0x22334458
Seconds elapsed: 183
Bootp flags: 0x8000, Broadcast flag (Broadcast)
1... .... .. = Broadcast flag: Broadcast
.000 0000 0000 0000 = Reserved flags: 0x0000
Client IP address: 0.0.0.0
Your (client) IP address: 192.168.66.129
Next server IP address: 0.0.0.0
Relay agent IP address: 0.0.0.0
Client MAC address: 00:1c:e8:01:6b:44
Client hardware address padding: 000000000000000000000000
Server host name not given
Boot file name not given
Magic cookie: DHCP
Option: (53) DHCP Message Type (ACK)
Length: 1
DHCP: ACK (5)
Option: (54) DHCP Server Identifier (192.168.66.1)
Length: 4
DHCP Server Identifier: 192.168.66.1
Option: (51) IP Address Lease Time
Length: 4
IP Address Lease Time: (85978s) 23 hours, 52 minutes, 58 seconds
Option: (1) Subnet Mask (255.255.255.0)
```

Length: 4
Subnet Mask: 255.255.255.0
Option: (3) Router
Length: 4
Router: 192.168.66.1
Option: (6) Domain Name Server
Length: 4
Domain Name Server: 192.168.66.1
Option: (15) Domain Name
Length: 16
Domain Name: monnotaire.local
Option: (255) End
Option End: 255
Padding: 0000000000000000