

Windows IP Configuration

Host Name : Codys-PC
Primary Dns Suffix :
Node Type : Hybrid
IP Routing Enabled. : No
WINS Proxy Enabled. : No

Ethernet adapter Ethernet:

Media State : Media disconnected
Connection-specific DNS Suffix . :
Description : Intel(R) Ethernet Controller (3) I225-V
Physical Address. : 08-BF-B8-9A-88-50
DHCP Enabled. : Yes
Autoconfiguration Enabled : Yes

Wireless LAN adapter Local Area Connection* 9:

Media State : Media disconnected
Connection-specific DNS Suffix . :
Description : Microsoft Wi-Fi Direct Virtual Adapter
Physical Address. : 0C-91-92-4F-64-F7
DHCP Enabled. : Yes
Autoconfiguration Enabled : Yes

Wireless LAN adapter Local Area Connection* 10:

Media State : Media disconnected
Connection-specific DNS Suffix . :
Description : Microsoft Wi-Fi Direct Virtual Adapter #2
Physical Address. : 0E-91-92-4F-64-F6
DHCP Enabled. : Yes
Autoconfiguration Enabled : Yes

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . :
Description : Intel(R) Wi-Fi 6E AX211 160MHz
Physical Address. : 0C-91-92-4F-64-F6
DHCP Enabled. : Yes
Autoconfiguration Enabled : Yes
Link-local IPv6 Address : fe80::1eb3:7714:e49a:c647%12(Preferred)
IPv4 Address. : 172.16.10.111(Preferred)
Subnet Mask : 255.255.255.0
Lease Obtained. : Wednesday, September 13, 2023 6:59:26 PM
Lease Expires : Friday, September 15, 2023 10:17:32 PM
Default Gateway : 172.16.10.1
DHCP Server : 172.16.10.1
DHCPv6 IAID : 336368018
DHCPv6 Client DUID. : 00-01-00-07-2C-88-B7-EC-02-0F-63-33-3E-6F
DNS Servers : 172.16.10.1
NetBIOS over Tcpip. : Enabled

Ethernet adapter Bluetooth Network Connection:

Media State : Media disconnected
Connection-specific DNS Suffix . :
Description : Bluetooth Device (Personal Area Network)
Physical Address. : 0C-91-92-4F-64-FA
DHCP Enabled. : Yes
Autoconfiguration Enabled : Yes

1. IPv4 address: 172.16.10.111.
Class: B
2. Subnet Mask: 255.255.255.0/24
Default Mask: No, 8
Subnet Number: 172.16.10.0
3. Default Gateway: Yes, 172.16.10.1
4. DHCP: Yes, 172.16.10.1
Lease Length: Wednesday, September 13, 2023 - Friday, September 15, 2023
5. 4f:64:f6
6. 0x0806
7. Broadcast, it says so in the destination
8. No, no
9. Request(1)
10. To get the mac address of the device at the IP address 172.16.10.111
11. Reply
12. Unicast
13. DC-1B-A1-45-2C-CA
14. UDP
15. Broadcast, says so in the destination
16. Boot Request (1)
17. DHCP Discover (1)

test.pcapng

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dhc

Time	Source	Destination	Protocol	Length	Info
315.128.482358	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x9031f599
363.133.470828	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x9031f599
457.137.428981	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x9031f599
463.139.457566	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x8baec5b5
570.143.463465	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x8baec5b5
675.148.457755	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0x8baec5b5
699.155.835862	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0xa278282
796.160.848187	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0xa278282
884.164.830349	0.0.0.0	255.255.255.255	DHCP	342	DHCP Discover - Transaction ID 0xa278282

> Frame 315: 342 bytes on wire (2736 bits), 342 bytes captured (

- Ethernet II, Src: IntelCor_4f:64:f6 (0c:91:92:4f:64:f6), Dst:
 - > Destination: Broadcast (ff:ff:ff:ff:ff:ff)
 - > Source: IntelCor_4f:64:f6 (0c:91:92:4f:64:f6)
 - Type: IPv4 (0x0800)
- Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.25
 - 0100 = Version: 4
 - 0101 = Header Length: 20 bytes (5)
 - > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-EC
 - Total Length: 328
 - Identification: 0xa685 (42629)
 - > 000. = Flags: 0x0
 - ...0 0000 0000 0000 = Fragment Offset: 0
 - Time to Live: 128
 - Protocol: UDP (17)
 - Header Checksum: 0x0000 [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: 0xb7d5 [unverified]
 - [Checksum Status: Unverified]
 - [Stream index: 58]
 - > [Timestamps]

0000 ff ff ff ff ff ff 0c 91 92 4f 64 f6 08 00 45 00
0010 01 48 a6 85 00 00 80 11 00 00 00 00 00 ff ffH.....
0020 ff ff 00 44 00 43 01 34 b7 d5 01 01 06 00 90 31 ...D.C.4..
0030 f5 99 00 00 00 00 00 00 00 00 00 00 00 00 00
0040 00 00 00 00 00 00 0c 91 92 4f 64 f6 00 00 00 00
0050 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0060 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0080 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0090 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00a0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00b0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00c0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00d0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00e0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00f0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0100 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0110 00 00 00 00 00 00 63 82 53 63 35 01 01 3d 07 01c.S
0120 0c 91 92 4f 64 f6 0c 08 43 6f 64 79 73 2d 50 43 ...Od...C
0130 3c 08 4d 53 46 54 20 35 2e 30 37 0e 01 03 06 0f <.MSFT 5.
0140 1f 21 2b 2c 2e 2f 77 79 f9 fc ff 00 00 00 00 00 ..!+.,/wy..
0150 00 00 00 00 00 00

DHCP/BOOTP option type (dhcp.option.type), 3 bytes

Packets: 893 · Displayed: 9 (1.0%)

Profile: Default

[illegible]