

\*Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

dhc

No.	Time	Source	Destination	Proto	Length	Info
4	0.095442	0.0.0.0	255.255...	DHCP	590	DHCP Discover - Transaction ID 0x4d4d47ee
5	0.095739	172.16.8.1	255.255...	DHCP	342	DHCP Offer - Transaction ID 0x4d4d47ee
74	0.659663	0.0.0.0	255.255...	DHCP	350	DHCP Request - Transaction ID 0xdcdcdc61
78	0.709507	0.0.0.0	255.255...	DHCP	350	DHCP Request - Transaction ID 0xdcdcdc61
103	0.993870	0.0.0.0	255.255...	DHCP	344	DHCP Request - Transaction ID 0xc8108dfe
225	2.661562	0.0.0.0	255.255...	DHCP	340	DHCP Discover - Transaction ID 0x6aa7cc63
303	3.115605	0.0.0.0	255.255...	DHCP	590	DHCP Discover - Transaction ID 0x4f35113d
304	3.115898	172.16.8.1	255.255...	DHCP	342	DHCP Offer - Transaction ID 0x4f35113d
336	3.862987	0.0.0.0	255.255...	DHCP	590	DHCP Discover - Transaction ID 0x4d37faa3

> Frame 420: 350 bytes on wire (2800 bits), 350 bytes captured (2800 bits) on interface 0

> Ethernet II, Src: 4e:92:01:bc:ec:2d (4e:92:01:bc:ec:2d), Dst: 01:00:5e:00:00:00

> Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255

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

> Dynamic Host Configuration Protocol (Request)

\*Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

ip

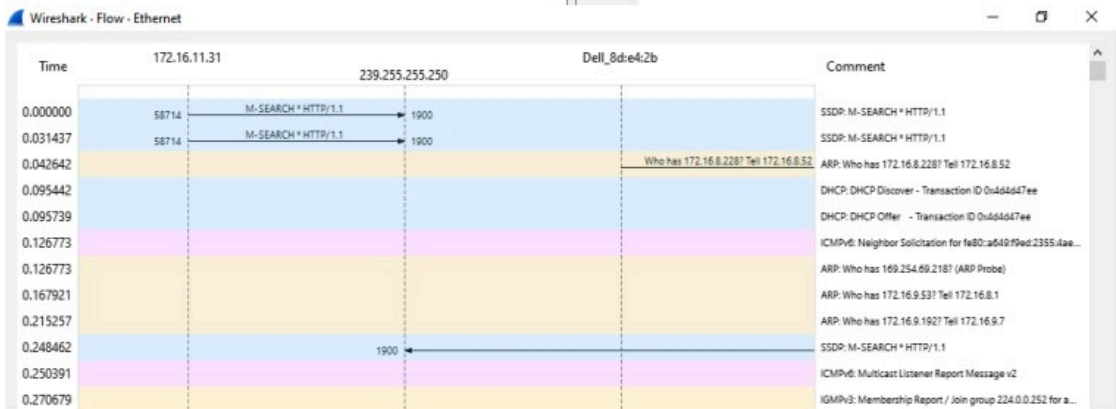
No.	Time	Source	Destination	Proto	Length	Info
577	6.065218	169.254.21.2	169.254...	NBNS	110	Registration NB WORKGROUP<00>
579	6.074601	172.16.9.53	239.255...	SSDP	217	M-SEARCH * HTTP/1.1
580	6.162065	172.16.9.229	239.255...	SSDP	218	M-SEARCH * HTTP/1.1
584	6.172019	172.16.11.229	224.0.0...	IGMP	60	Membership Report / Leave group 224.0.0.252
587	6.177496	172.16.11.229	224.0.0...	IGMP	60	Membership Report / Join group 224.0.0.251 for...
588	6.177496	172.16.11.229	224.0.0...	IGMP	60	Membership Report / Join group 224.0.0.252 for...
589	6.178122	172.16.11.229	224.0.0...	MDNS	81	Standard query 0x0000 ANY DESKTOP-SSEI76V.local
592	6.178879	172.16.11.229	224.0.0...	MDNS	119	Standard query response 0x0000 AAAA fe80::16ea...
594	6.178879	172.16.11.229	224.0.0...	LLMNR	75	Standard query 0xe61c ANY DESKTOP-SSEI76V

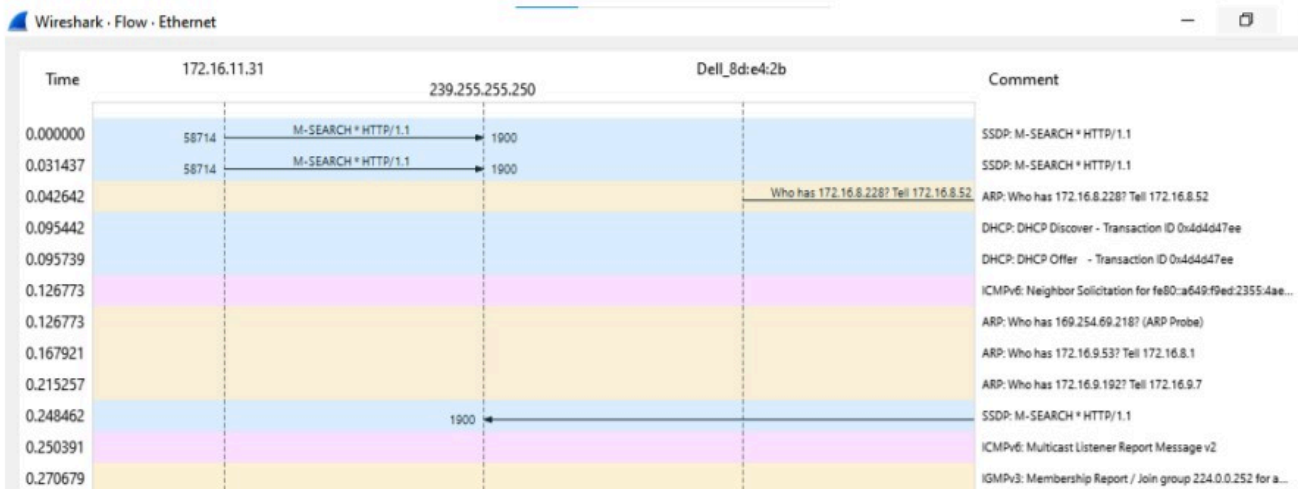
> Frame 422: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface 0

> Ethernet II, Src: MicroStarInt\_ad:3f:ec (d4:3d:7e:a4:3f:ec), Dst: 01:00:5e:00:00:00

> Internet Protocol Version 4, Src: 172.16.8.18, Dst: 224.0.0.252

> Transmission Control Protocol, Src Port: 52724, Dst Port: 52724





\*Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

dns

No.	Time	Source	Destination	Proto	Lengt	Info
637	6.391900	172.16.8.1	172.16.8...	DNS	181	Standard query response 0x60fe A edge.micro...
638	6.392133	172.16.8.1	172.16.8...	DNS	149	Standard query response 0x1d6c HTTPS edge.m...
635	6.391650	172.16.8.18	172.16.8...	DNS	78	Standard query 0x60fe A edge.microsoft.com
636	6.391828	172.16.8.18	172.16.8...	DNS	78	Standard query 0x1d6c HTTPS edge.microsoft...

> Frame 636: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface 0  
> Ethernet II, Src: MicroStarInt\_ad:3f:ec (d4:3d:7e:a1:3f:ec), Dst: 01:00:00:00:00:00  
> Internet Protocol Version 4, Src: 172.16.8.18, Dst: 172.16.8.18  
> User Datagram Protocol, Src Port: 52096, Dst Port: 53  
> Domain Name System (query)

0000 7c 5a 1c cf be 45 d4 3d 7e ad 3f ec 08 00 45  
0010 00 40 73 cf 00 00 80 11 00 00 ac 10 08 12 ac  
0020 08 01 cb 80 00 35 00 2c 68 71 1d 6c 01 00 00  
0030 00 00 00 00 00 00 04 65 64 67 65 09 6d 69 63  
0040 6f 73 6f 66 74 03 63 6f 6d 00 00 41 00 01

\*Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

arp

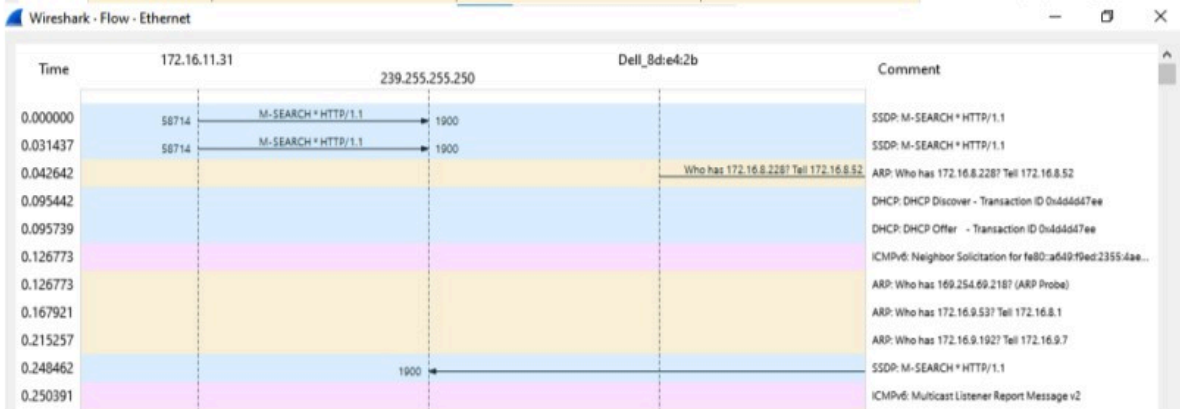
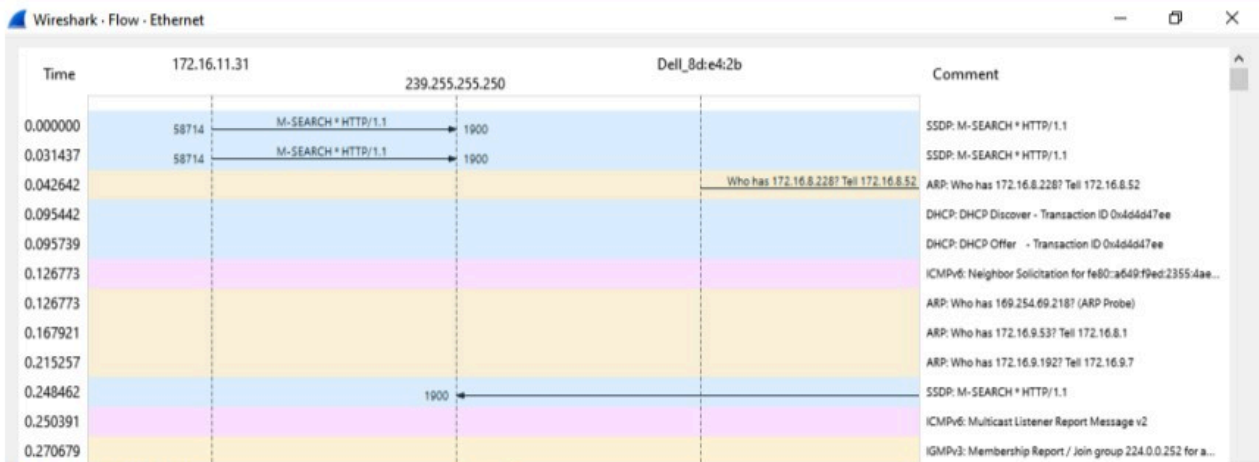
No.	Time	Source	Destination	Proto	Lengt	Info
698	7.069166	Dell_69:7b:2e	Broadcast	ARP	60	Who has 172.16.8.68? (ARP Probe)
519	5.047554	ChongqingFug_17:ef:...	Broadcast	ARP	60	Who has 172.16.8.250? Tell 172.16.8.22
408	4.147730	ChongqingFug_17:ef:...	Broadcast	ARP	60	Who has 172.16.8.250? Tell 172.16.8.22
157	2.050937	ChongqingFug_17:ef:...	Broadcast	ARP	60	Who has 172.16.8.250? Tell 172.16.8.22
3	0.042642	Dell_8d:e4:2b	Broadcast	ARP	60	Who has 172.16.8.228? Tell 172.16.8.52
230	2.698729	Dell_21:38:b2	Broadcast	ARP	60	Who has 172.16.8.212? Tell 172.16.9.22
139	1.690268	Dell_21:38:b2	Broadcast	ARP	60	Who has 172.16.8.212? Tell 172.16.9.22
105	1.032614	Dell_21:38:b2	Broadcast	ARP	60	Who has 172.16.8.212? Tell 172.16.9.22
234	2.841256	Dell_69:7c:d2	Broadcast	ARP	60	Who has 172.16.8.212? Tell 172.16.8.58
147	1.841402	Dell_69:7c:d2	Broadcast	ARP	60	Who has 172.16.8.212? Tell 172.16.8.58

< >

> Frame 391: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0  
> Ethernet II, Src: ChongqingFug\_17:ef:1b (5c:fb:3a:17:ef:1b), Dst: 01:00:00:00:00:00  
> Address Resolution Protocol (request)

0000 ff ff ff ff ff ff 5c fb 3a 17 ef 1b 08 06 00  
0010 08 00 06 04 00 01 5c fb 3a 17 ef 1b ac 10 08  
0020 00 00 00 00 00 00 ac 10 09 01 00 00 00 00 00  
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00





\*Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.stream eq 35

No.	Time	Source	Destination	Proto	Length	Info
730	7.323635	172.16.8.18	172.16.1...	TCP	66	[TCP Retransmission] 52724 → 7680 [SYN] Se...
731	7.323658	172.16.8.18	172.16.2...	TCP	66	[TCP Retransmission] 52723 → 7680 [SYN] Se...
736	7.410710	172.16.8.18	23.192.9...	TCP	66	52726 → 443 [SYN] Seq=0 Win=64240 Len=0 MS...
737	7.411005	23.192.97.141	172.16.8...	TCP	66	443 → 52726 [SYN, ACK] Seq=0 Ack=1 Win=292...
738	7.411082	172.16.8.18	23.192.9...	TCP	54	52726 → 443 [ACK] Seq=1 Ack=1 Win=2102272 ...
739	7.411302	172.16.8.18	23.192.9...	TLS...	255	Client Hello (SNI=oneclient.sfx.ms)
740	7.411525	23.192.97.141	172.16.8...	TCP	60	443 → 52726 [ACK] Seq=1 Ack=202 Win=30336 ...
744	7.461984	23.192.97.141	172.16.8...	TLS...	1466	Server Hello
745	7.462220	23.192.97.141	172.16.8...	TCP	1514	443 → 52726 [ACK] Seq=1413 Ack=202 Win=303...
746	7.462220	23.192.97.141	172.16.8...	TCP	1278	443 → 52726 [PSH, ACK] Seq=2873 Ack=202 Wi...
747	7.462249	172.16.8.18	23.192.9...	TCP	54	52726 → 443 [ACK] Seq=202 Ack=4097 Win=210...

> Frame 421: 66 bytes on wire (528 bits), 66 bytes captu

> Ethernet II, Src: MicroStarInt\_ad:3f:ec (d4:3d:7e:ad:3

> Internet Protocol Version 4, Src: 172.16.8.18, Dst: 17

> Transmission Control Protocol, Src Port: 52723, Dst Po

0000 7c 5a 1c cf be 45 d4 3d 7e ad 3f ec 08 00 45 00

0010 00 34 26 04 40 00 80 06 00 00 ac 10 08 12 ac 10

0020 19 87 cd f3 1e 00 82 db 18 0c 00 00 00 00 00 02

0030 fa f0 79 e0 00 00 02 04 05 b4 01 03 03 08 01 01

0040 04 02

Capturing from Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
36155	361.418332	172.16.9.23	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
36156	361.440651	fe80::814e:b477:b30...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
36157	361.442339	Pegatron_e0:79:33	Broadcast	ARP	60	Who has 172.16.11.22? Tell 172.16.11.229
36158	361.459869	172.16.10.57	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
36159	361.482814	172.16.8.219	172.16.11.255	NBNS	92	Name query NB KAVITHA<1c>
36160	361.500605	MicroStarInt_c7:b5:...	Broadcast	ARP	60	Who has 172.16.9.25? Tell 172.16.9.108
36161	361.530132	CompalInform_46:0f:...	Broadcast	ARP	60	Who has 172.16.8.1? Tell 172.16.9.23
36162	361.555942	172.16.10.40	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
36163	361.583394	172.16.10.179	239.255.255.250	SSDP	212	M-SEARCH * HTTP/1.1
36164	361.595916	172.16.8.50	239.255.255.250	SSDP	218	M-SEARCH * HTTP/1.1
36165	361.596666	HikvisionDig_aa:a0:...	Broadcast	ARP	60	Who has 172.16.9.250? Tell 172.16.11.254
36166	361.611425	172.16.8.50	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
36167	361.632426	MicroStarINT_c5:ce:...	Broadcast	ARP	60	Who has 169.254.178.62? Tell 172.16.10.25
36168	361.645528	172.16.8.175	239.255.255.250	SSDP	218	M-SEARCH * HTTP/1.1
36169	361.665606	172.16.8.187	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
36170	361.775928	172.16.9.23	224.0.0.251	MDNS	72	Standard query 0x0000 ANY Lenovo.local, "QM" question

> Frame 10514: 60 bytes on wire (480 bits), 60 bytes captured (480 bits)

> Ethernet II, Src: Intel\_13:f3:26 (00:27:0e:13:f3:26), Dst: Broadcast

> Address Resolution Protocol (request)

0000 ff ff ff ff ff ff 00 27 0e 13 f3 26 08 06 00 01

0010 08 00 06 04 00 01 00 27 0e 13 f3 26 ac 10 08 81

0020 00 00 00 00 00 00 ac 10 0a 9e 00 00 00 00 00

0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00

Capturing from Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter

Wireshark · Coloring Rules Default

No.	Name	Filter
77449	<input checked="" type="checkbox"/> Bad TCP	tcp.analysis.flags && !tcp.analysis.window_update &&
77450	<input checked="" type="checkbox"/> HSRP State Change	hsrp.state != 8 && hsrp.state != 16
77451	<input checked="" type="checkbox"/> Spanning Tree Topology Change	stp.type == 0x80
77452	<input checked="" type="checkbox"/> OSPF State Change	ospf.msg != 1
77453	<input checked="" type="checkbox"/> ICMP errors	icmp.type in { 3..5, 11 }    icmpv6.type in { 1..4 }
77454	<input checked="" type="checkbox"/> ARP	arp
77455	<input checked="" type="checkbox"/> ICMP	icmp    icmpv6
77456	<input checked="" type="checkbox"/> TCP RST	tcp.flags.reset eq 1
77457	<input checked="" type="checkbox"/> SCTP ABORT	sctp.chunk_type eq ABORT
77458	<input checked="" type="checkbox"/> IPv4 TTL low or unexpected	(ip.dst != 224.0.0.0/4 && ip.ttl < 5 && !(pim    ospf
77459	<input checked="" type="checkbox"/> IPv6 hop limit low or unexpected	(ipv6.dst != ff00::/8 && ipv6.hlim < 5 && !(ospf    bgp
77460	<input checked="" type="checkbox"/> Checksum Errors	eth.fcs.status == "Bad"    ip.checksum.status == "Bad"
77461	<input checked="" type="checkbox"/> SMB	smb    nbss    nbns    netbios
77462	<input checked="" type="checkbox"/> HTTP	http    tcp.port == 80    http2
77463	<input checked="" type="checkbox"/> DCERPC	dcerpc
77464	<input checked="" type="checkbox"/> Routing	hsrp    eigrp    ospf    bgp    cdp    vrrp    carp    gvrp
	<input checked="" type="checkbox"/> TCP SYN/FIN	tcp.flags & 0x02    tcp.flags.fin == 1
	<input checked="" type="checkbox"/> TCP	tcp
	<input checked="" type="checkbox"/> UDP	udp
	<input checked="" type="checkbox"/> Broadcast	eth[0] & 1
	<input checked="" type="checkbox"/> System Event	systemd_journal    sysdig

Double click to edit. Drag to move. Rules are processed in order until a match is found.

+ - [icon] [icon]

OK Copy from Cancel Import... Export... Help

Ethernet: <live capture in progress>

Capturing from Ethernet

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

Wireshark · Display Filters

Filter Name	Filter Expression
Ethernet address 00:00:5e:00:53:00	eth.addr == 00:00:5e:00:53:00
Ethernet type 0x0806 (ARP)	eth.type == 0x0806
Ethernet broadcast	eth.addr == ff:ff:ff:ff:ff:ff
No ARP	not arp
IPv4 only	ip
IPv4 address 192.0.2.1	ip.addr == 192.0.2.1
IPv4 address isn't 192.0.2.1	ip.addr != 192.0.2.1
IPv6 only	ipv6
IPv6 address 2001:db8::1	ipv6.addr == 2001:db8::1
TCP only	tcp
UDP only	udp
Non-DNS port	!(udp.port == 53    tcp.port == 53)
TCP or UDP port is 80 (HTTP)	tcp.port == 80    udp.port == 80
HTTP	http
No ARP and no DNS	not arp and not dns
Non-HTTP and non-SMTP to/from 192.0.2.1	ip.addr == 192.0.2.1 and tcp.port not in {80, 25}

+ - [icon] [icon]

OK Cancel Help

Frame 95185: 2144 bytes on wire (17152 bits) captured (0.000000000 seconds) on interface eth0

Ethernet II, Src: Dell\_34:d4:be (50:9a:4c:34:d4:be), Dst: 01:00:00:00:00:00

Internet Protocol Version 4, Src: 172.16.8.110, Dst: 172.16.8.110

User Datagram Protocol, Src Port: 61579, Dst Port: 190

Simple Service Discovery Protocol

Ethernet: <live capture in progress>

Packets: 103903 · Displayed: 103903 (100.0%) Profile: Default