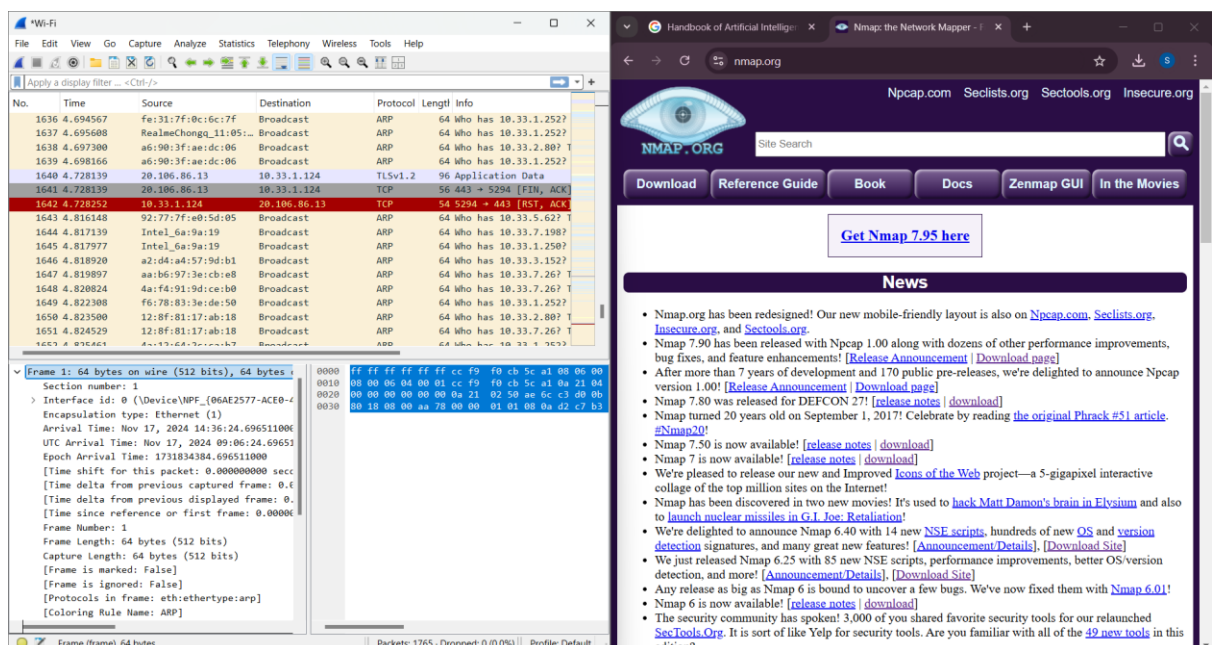


WIRE SHARK

- Performing wire shark:
- Select the network interface you want to monitor (e.g., Wi-Fi or Ethernet).
 - Click on the interface to start capturing packets.
- Use the filter bar to focus on specific traffic, such as http, tcp, or ip.addr = [IP address].
- Click the Stop button (red square icon) once you've captured enough data.
- Click on individual packets to view detailed information about each layer (e.g., source and destination IPs, protocols).



The image shows two side-by-side screenshots. The left screenshot is of the Wireshark network protocol analyzer interface, displaying a list of captured packets and a detailed view of a selected packet (Frame 1, 64 bytes on wire). The right screenshot is of the Nmap.org website, showing the homepage with navigation links and a news section.

Wireshark Packet List:

No.	Time	Source	Destination	Protocol	Length	Info
1636	4.694567	fe:31:7f:0c:6c:7f	Broadcast	ARP	64	Who has 10.33.1.252?
1637	4.695688	RealmeChongq_11:05:...	Broadcast	ARP	64	Who has 10.33.1.252?
1638	4.697300	a6:90:3f:ae:dc:06	Broadcast	ARP	64	Who has 10.33.2.80?
1639	4.698166	a6:90:3f:ae:dc:06	Broadcast	ARP	64	Who has 10.33.1.252?
1640	4.728139	20.106.86.13	10.33.1.124	TLSv1.2	96	Application Data
1641	4.728139	20.106.86.13	10.33.1.124	TCP	56	443 → 5294 [FIN, ACK]
1642	4.728252	10.33.1.124	20.106.86.13	TCP	54	5294 → 443 [RST, ACK]
1643	4.816148	92:77:7f:e0:5d:05	Broadcast	ARP	64	Who has 10.33.5.62?
1644	4.817139	Intel_6a:9a:19	Broadcast	ARP	64	Who has 10.33.7.198?
1645	4.817977	Intel_6a:9a:19	Broadcast	ARP	64	Who has 10.33.1.250?
1646	4.818920	a2:d4:a4:57:9d:b1	Broadcast	ARP	64	Who has 10.33.3.152?
1647	4.819897	aa:b6:97:3e:cb:e8	Broadcast	ARP	64	Who has 10.33.7.26?
1648	4.820824	4a:f4:91:9d:ce:b0	Broadcast	ARP	64	Who has 10.33.7.26?
1649	4.822308	f6:78:81:3e:de:50	Broadcast	ARP	64	Who has 10.33.1.252?
1650	4.823500	12:8f:81:17:ab:18	Broadcast	ARP	64	Who has 10.33.2.80?
1651	4.824529	12:8f:81:17:ab:18	Broadcast	ARP	64	Who has 10.33.7.26?

Wireshark Packet Details (Frame 1):

- Section number: 1
- Interface id: 0 (Device\NPF_{B6AE2577-ACE0-4...})
- Encapsulation type: Ethernet (1)
- Arrival Time: Nov 17, 2024 14:36:24.696511006
- UTC Arrival Time: Nov 17, 2024 09:06:24.69651
- Epoch Arrival Time: 1731834384.696511000
- [Time shift for this packet: 0.000000000 sec]
- [Time delta from previous captured frame: 0.0]
- [Time delta from previous displayed frame: 0.0]
- [Time since reference or first frame: 0.000000000 sec]
- Frame Number: 1
- Frame Length: 64 bytes (512 bits)
- Capture Length: 64 bytes (512 bits)
- [Frame is marked: False]
- [Frame is ignored: False]
- [Protocols in frame: eth:ethertype:arp]
- [Coloring Rule Name: ARP]

Nmap.org News:

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File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

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

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1636	4.694567	fe:c3:17:f8:6c:7f	Broadcast	ARP	64	Who has 10.33.1.252?
1637	4.695608	RealmeChongq11:05:...	Broadcast	ARP	64	Who has 10.33.1.252?
1638	4.697300	a6:90:3f:ae:dc:06	Broadcast	ARP	64	Who has 10.33.2.80?
1639	4.698166	a6:90:3f:ae:dc:06	Broadcast	ARP	64	Who has 10.33.1.252?
1640	4.728139	20.106.86.13	10.33.1.124	TLSv1.2	96	Application Data
1641	4.728139	20.106.86.13	10.33.1.124	TCP	56	443 → 5294 [FIN, ACK]
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1643	4.816148	92:77:7f:e0:5d:05	Broadcast	ARP	64	Who has 10.33.5.62?
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1645	4.817977	Intel_6a:9a:19	Broadcast	ARP	64	Who has 10.33.1.250?
1646	4.818920	a2:d4:a4:57:9d:b1	Broadcast	ARP	64	Who has 10.33.3.152?
1647	4.818997	aa:b6:97:3e:cb:e8	Broadcast	ARP	64	Who has 10.33.7.26?
1648	4.820824	4a:f4:91:9d:ce:b0	Broadcast	ARP	64	Who has 10.33.7.26?
1649	4.822308	f6:78:83:3e:de:50	Broadcast	ARP	64	Who has 10.33.1.252?
1650	4.823500	12:8f:81:17:ab:18	Broadcast	ARP	64	Who has 10.33.2.80?
1651	4.824529	12:8f:81:17:ab:18	Broadcast	ARP	64	Who has 10.33.7.26?
1652	4.824621	...	Broadcast	ARP	64	Who has 10.33.7.26?

Ethernet II, Src: SamsungElect_cb:5c:a1 (cc:f9:f0:00:00:00:00:00)

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

Source: SamsungElect_cb:5c:a1 (cc:f9:f0:00:00:00:00:00)

Type: ARP (0x0806)

Trailer: aefc3d00bb080000aa78000001010000

Frame check sequence: 0xd27b38f [unverified]

[FCS Status: Unverified]

Address Resolution Protocol (request)

Hardware type: Ethernet (1)

Protocol type: IPv4 (0x0800)

Hardware size: 6

Protocol size: 4

Opcode: request (1)

Sender MAC address: SamsungElect_cb:5c:a1 (cc:f9:f0:00:00:00:00:00)

Sender IP address: 10.33.4.192

Target MAC address: 00:00:00:00:00:00 (00:00:00:00:00:00)

Target IP address: 10.33.2.80

Ethernet (eth), 36 bytes

Packets: 1765 - Dropped: 0 (0.0%) Profile: Default

Handbook of Artificial Intelligence

Nmap: the Network Mapper

nmap.org

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Frame 1: 64 bytes on wire (512 bits), 64 bytes captured

Ethernet II, Src: SamsungElect_cb:5c:a1 (cc:f9:f0:00:00:00:00:00)

Address Resolution Protocol (request)

wireshark-WiFi8FQOW2.pcapng

Packets: 1765 - Dropped: 0 (0.0%) Profile: Default

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