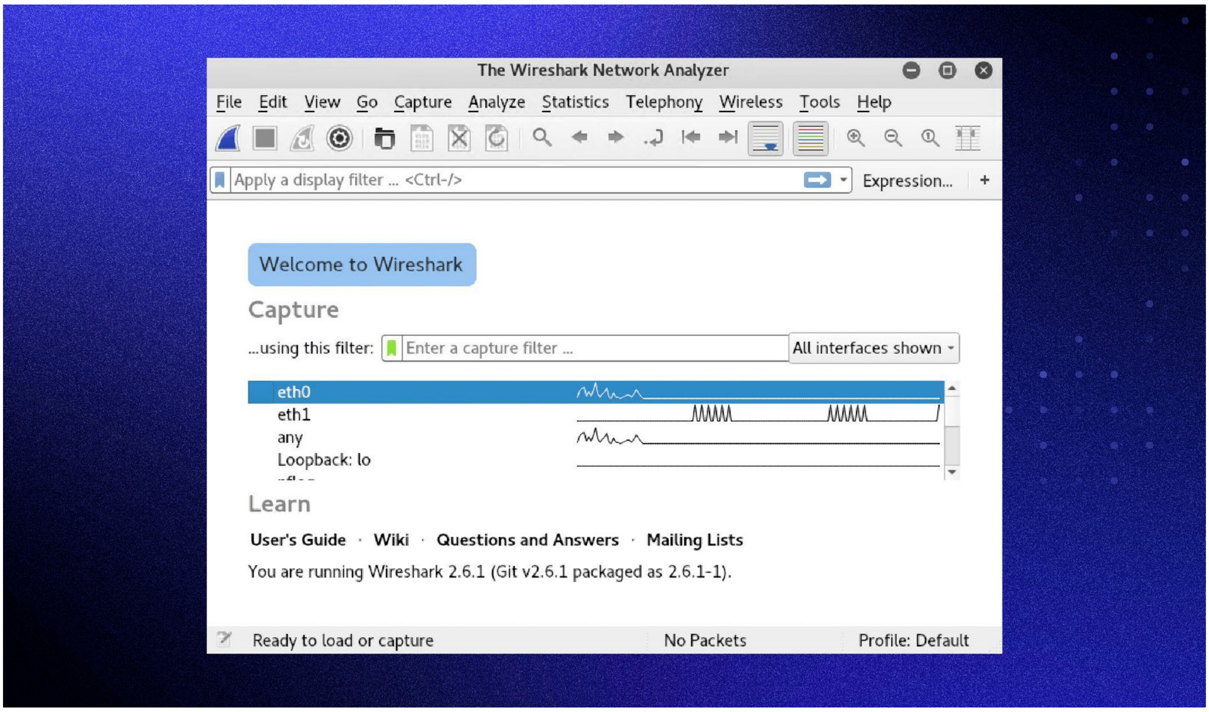
Capturing data packets on Wireshark

When you open Wireshark, you see a screen showing you a list of all the network connections you can monitor. You also have a capture filter field .to only capture the network traffic you want to see


The Wireshark Network Analyzer
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
Expression...
+
Welcome to Wireshark
Capture
...using this filter:
Enter a capture filter ...
All interfaces shown
eth0
eth1
any
Loopback: lo
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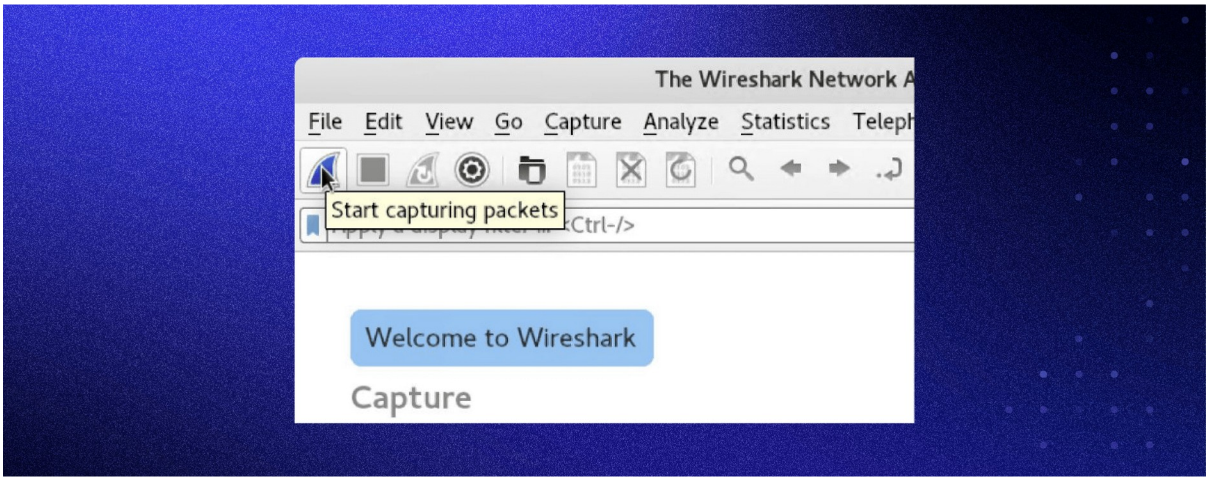
You are running Wireshark 2.6.1 (Git v2.6.1 packaged as 2.6.1-1).

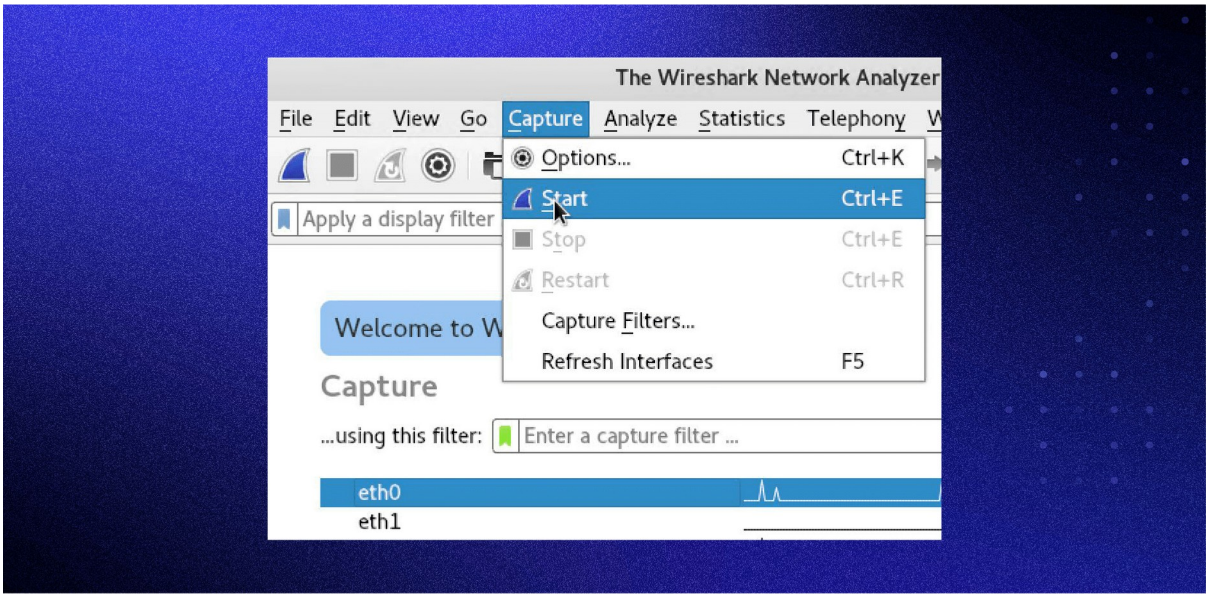
Ready to load or capture No Packets Profile: Default

You can select one or more of the network interfaces using shift+left-click. Once select the network interface, you can start the capture, and there .are several ways to do that

Click the first button on the toolbar, titled “Start capturing ”.packets

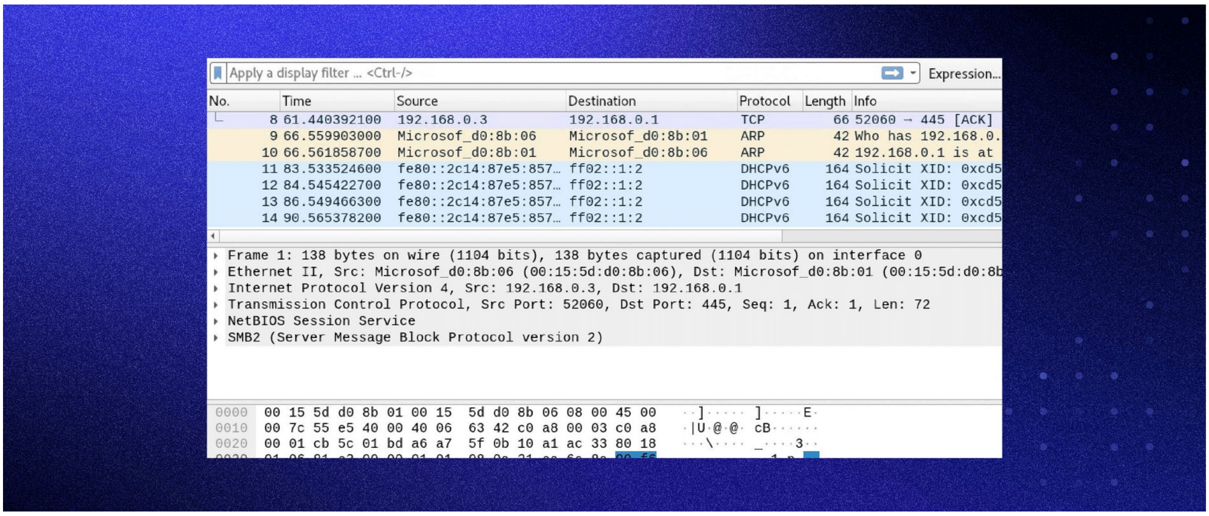


.You can select the menu item Capture -> Start



.Or you could use the keystroke Control+E

During the capture, Wireshark will show you the packets captured .in real-time



No.	Time	Source	Destination	Protocol	Length	Info
8	61.440392100	192.168.0.3	192.168.0.1	TCP	66	52060 → 445 [ACK]
9	66.559903000	Microsof_d0:8b:06	Microsof_d0:8b:01	ARP	42	Who has 192.168.0.
10	66.561858700	Microsof_d0:8b:01	Microsof_d0:8b:06	ARP	42	192.168.0.1 is at
11	83.533524600	fe80::2c14:87e5:857…	ff02::1:2	DHCPv6	164	Solicit XID: 0xcd5
12	84.545422700	fe80::2c14:87e5:857…	ff02::1:2	DHCPv6	164	Solicit XID: 0xcd5
13	86.549466300	fe80::2c14:87e5:857…	ff02::1:2	DHCPv6	164	Solicit XID: 0xcd5
14	90.565378200	fe80::2c14:87e5:857…	ff02::1:2	DHCPv6	164	Solicit XID: 0xcd5

```
▸ Frame 1: 138 bytes on wire (1104 bits), 138 bytes captured (1104 bits) on interface 0
▸ Ethernet II, Src: Microsof_d0:8b:06 (00:15:5d:d0:8b:06), Dst: Microsof_d0:8b:01 (00:15:5d:d0:8b
▸ Internet Protocol Version 4, Src: 192.168.0.3, Dst: 192.168.0.1
▸ Transmission Control Protocol, Src Port: 52060, Dst Port: 445, Seq: 1, Ack: 1, Len: 72
▸ NetBIOS Session Service
▸ SMB2 (Server Message Block Protocol version 2)

0000  00 15 5d d0 8b 01 00 15  5d d0 8b 06 08 00 45 00   ··]·····  ]·····E·
0010  00 7c 55 e5 40 00 40 06  63 42 c0 a8 00 03 c0 a8   ·|U·@·@·  cB······
0020  00 01 cb 5c 01 bd a6 a7  5f 0b 10 a1 ac 33 80 18   ···\····  _····3··
```

Once you have captured all the packets needed, use the same buttons or .menu options to stop the capture as you did to begin

Best practice dictates stopping Wireshark’s packet capture before .analysis