# File Actions Edit View Help

To use Wireshark effectively, follow these steps: install the tool, select the correct network interface, start capturing packets, apply filters, and analyze the data. Here's a detailed breakdown tailored for your cybersecurity workflow:

Step-by-Step Guide to Using Wireshark

## 1. Install Wireshark

Download from the official Wireshark website.

Choose the correct installer for your OS (Windows, Linux, macOS). During installation, allow WinPcap or Npcap (required for packet capture on Windows).

### 2. Launch Wireshark and Select Interface

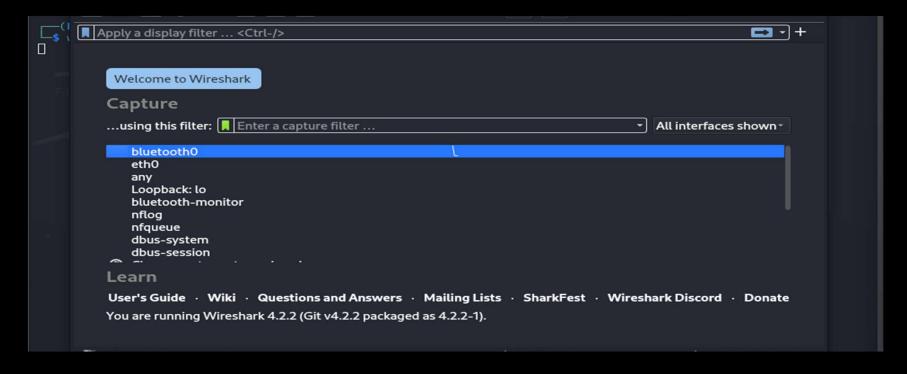
Open Wireshark and you'll see a list of available network interfaces. Choose the one actively transmitting data (often your Ethernet or Wi-Fi adapter).

Click the blue shark fin icon to start capturing packets.

# 3. Start Capturing Packets

Once capture begins, Wireshark displays real-time packet data. You'll see columns like *Time*, *Source*, *Destination*, *Protocol*, and *Info*. Let it run for a few seconds or minutes depending on your analysis needs.

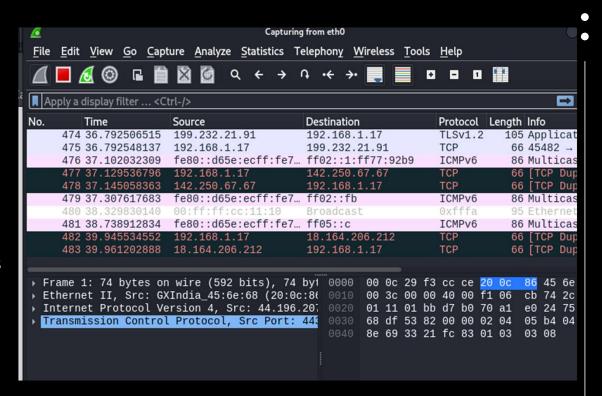
0 0



- •Open Wireshark and you'll see a list of available network interfaces.
- •Choose the one actively transmitting data (often your Ethernet or Wi-Fi adapter).
- •Click the blue shark fin icon to start capturing packets

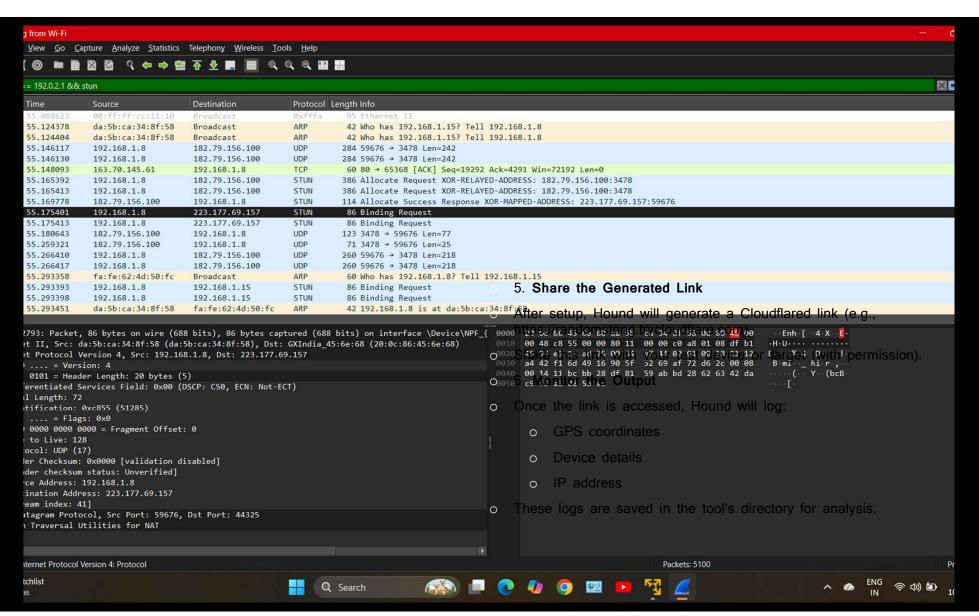
# 3. Start Capturing Packets

- Once capture begins, Wireshark displays real-time packet data.
- You'll see columns like Time, Source, Destination, Protocol, and Info.
- Let it run for a few seconds or minutes depending on your analysis needs.
- 4. Apply Capture or Display Filters
- Capture filters (set before starting): limit what gets recorded (e.g., ).
- Display filters (set after capture): narrow down what you see (e.g., , ).
- Use the filter bar at the top to enter expressions.



# 5. Analyze Packets

- •Click on any packet to expand its details.
- •You can inspect layers like Ethernet, IP, TCP/UDP, and application protocols (e.g., HTTP, DNS).
- •Right-click a packet to follow TCP streams or export data.



```
akshansh Desktop Documents Downloads hound Music Pictures pr1 pr2 pr3 Public sherlock
—(kali⊗kali)-[~]
S Downloads
 —(kali⊗kali)-[~/Downloads]
—(kali⊗kali)-[~/Downloads]
_s ufonet
---(kali⊗kali)-[~/Downloads/ufonet]
Usage: ./ufonet [options]
{(D)enial(OFF)ensive(S)ervice[ToolKit]}-{by_(io=psy+/03c8.net)}
Options:
 --version
                       show program's version number and exit
 -h, --help
                       show this help message and exit
 -v, --verbose
                       active verbose on requests
 --examples
                       print some examples
 -- timeline
                       show program's code timeline
                       check for latest stable version
 --- update
 --check-tor
                       check to see if Tor is used properly
 -- force-ssl
                       force usage of SSL/HTTPS requests
 -- force-yes
                       set 'YES' to all questions
                       start GUI (UFONet Web Interface)
 --gui
 *Tools*:
   -- crypter
                       Crypt/Decrypt messages using AES256+HMAC-SHA1
                       Show info about your network (MAC, IPs)
    -- network
                       Fast port scanner (ex: --xray 'http(s)://target.com')
   -- xray=XRAY
   -- xrav-ps=XRAYPS
                       Set range of ports to scan (ex: --xray-ps '1-1024')
 *Configure Request(s)*:
                       Use proxy server (ex: --proxy 'http://127.0.0.1:8118')
   -- proxy=PROXY
   --user-agent=AGENT Use another HTTP User-Agent header (default: SP00FED)
   --referer=REFERER Use another HTTP Referer header (default: SP00FED)
   --host=HOST
                       Use another HTTP Host header (default: NONE)
                       Set your HTTP X-Forwarded-For with random IP values
   -- xforw
   --xclient
                       Set your HTTP X-Client-IP with random IP values
    -- timeout=TIMEOUT Select your timeout (default: 5)
```

Ethical DoS Simulation Lab with UFONet

What You'll Need

Kali Linux (host or VM)

**UFONet** installed

Local web server (e.g., Apache or Flask app)

Isolated network or VM environment

Setup Steps

#### Install UFONet

git clone https://github.com/epsylon/ufonet.git cd ufonet python3 ufonet --help

Set Up a Test Web Server Example using Python Flask:

pip3 install flask echo "from flask import Flask; app = Flask(\_\_name\_\_); @app.route('/') def home(): return 'Test Server'; app.run(host='0.0.0.0', port=8080)" > test\_server.py python3 test\_server.py

#### □□Download and Test Zombies

python3 ufonet --download-zombies python3 ufonet --test-zombies

#### Simulate Attack on Localhost

python3 ufonet --attack --target http://127.0.0.1:8080

0

0

```
-(kali®kali)-[~/Downloads/ufonet]
                   / / \
       -(00)-
                  + (XX) +
                            -(00)-
         || 0 =*~~~*= 0 ||
                                                 > Botnet [DDoS]
                                                                   # > Close Combat [DoS]
 -(00)-
           0|0 (0) XX (0)
                                      -(00)-
                 _\| (00) |/_

→ ZOMBIES

                                                                         → LOIC
    0+!\$(0)!\ (0)\ 0'-0\ (0)\ !(0)\$!+0
                                                     → DROIDS

→ LORIS

     |00 00| .''.( xx ).''. |00 00|
**+***.'.' +X|'..'|X+ '.'**+**.
                                                     → ALIENS

→ UFOSYN

→ UCAVs

                                                                   #

→ XMAS

    .-. .' /'--.___00___.--'\ '. .-.

→ X-RPCs

                                                                         → NUKE
  → DBSTRESS

→ UFOACK

     → SPRAY

→ UFORST

                                                     → SMURF
                                                                         → DROPER
         | 1⊫0 |
                         1 0==1

→ TACHYON

                                                                         → OVERLAP
     ..<sup>_</sup>.i.|| || /_00_\

→ MONLIST

                                                                         → PINGER
              = | ###### | |=
     '###
                                                     → FRAGGLE
                                                                   #
                                                                         → UFOUDP
                                  ###
(0) - |(0)|
           '. 0\||_**_||/0
                                 |(0)| \vdash (0)
                                                     → SNIPER
             '. | \_##_/ | .'
             _0_'.|__-----
                     YY
                                                  → [ UFONet: https://ufonet.03c8.net ] ←
  + Class: PSYoPs / ViPR404+/(model:I^4*2) +
                                                                                            ##
                                                     888
888
       888 888888888 .d88888b.
                                888b
                                        888
888
       888 888
                      d88P Y888b 8888b
                                        888
                                                     888
888
       888 888
                            888 8888b
                                        888
                                                     888
                     888
888
       888 888888
                     888
                            888 888Y88b 888
                                             .d88b.
                                                    888888
888
       888 888
                     888
                            888 888 Y88b888 d8P Y8b 888
888
       888 888
                     888
                            888 888
                                     Y88888 8888888 888
Y88b. .d88P 888
                     Y88b. .d88P 888
                                      Y8888 Y8b.
                                                     Y88b.
 'Y88888P'
           888
                      'Y88888P'
                                888
                                             'Y8888
                                                      'Y8888
                                       Y888
{(D)enial(OFF)ensive(S)ervice[ToolKit]}-{by_(io=psy+/03c8.net)}
[AI] Downloading list of [Zombies] from [Community] server ...
```

```
-(kali@kali)-[~/Downloads/ufonet]
_$ ./ufonet --down-from=DIP
        -(00)-
                  +(XX) +
                             -(00)-
                                               Ш
          || 0 =*~~~*= 0 ||
                                                   > Botnet [DDoS]
                                                                     # > Close Combat [DoS]
 -(00)-
           0|0 (0) XX (0)
                                       -(00)-
                 \| (00) |/_

→ ZOMBIES

→ LOIC
     0+!$(0)! (0) 0'---'0 (0)!(0)$!+0
                                                      → DROIDS

→ LORIS

                                                                     #
      100 001 .''.( xx ).''. 100 001
                                                      → ALIENS

→ UFOSYN

                                                                     #
      **+***.'.' +X|'..'|X+ '.'***+**.
                                                                           → XMAS

→ UCAVs

     .-. .' /'--. ___00___.--'\ '. .-.

→ X-RPCs

→ NUKE

   +(0).)-|0| \setminus x| ## |x / |0|-(.(0)+
                                                      → DBSTRESS

→ UFOACK

                '-./ -00- \.-'
                                                      → SPRAY

→ UFORST

                                                      → SMURF
                                                                           → DROPER
                                                                     #
        1 0==1

→ TACHYON

                                                                     #
                                                                           → OVERLAP
         ''.| || | /_00_\ | || |.
                                                                           → PINGER

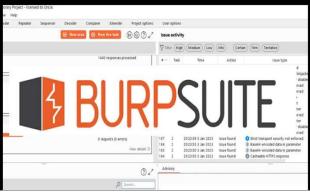
→ MONLIST

                                                                     #
      '### | =| | ###### | |= |' ### |
                                                      → FRAGGLE
                                                                     #
                                                                           → UFOUDP
     1(0)1
            '. 0\||_**_ ||/0 .
                                                      → SNIPER
              '. | \_##_/ | <u>.'</u>
                                                Ш
                                               # 1
                                                                                              #
                                                Ш
                                                   → [ UFONet: https://ufonet.03c8.net ] ←
   + Class: PSYoPs / ViPR404+/(model:I^4*2) +
                                               # |
                                                                                              ##
888
        888 888888888 .d88888b. 888b
                                                      888
        888 888
                      d88P Y888b 8888b
888
                                         888
                                                      888
        888 888
                             888 8888b
                                                      888
888
                     888
                                         888
888
        888 888888
                     888
                             888 888Y88b 888
                                              .d88b.
                                                      888888
                     888
                                             d8P Y8b 888
888
        888 888
                             888
                                 888 Y88b888
888
        888 888
                     888
                             888
                                 888
                                      Y88888
                                             8888888 888
Y88b. .d88P 888
                     Y88b. .d88P 888
                                       Y8888 Y8b.
                                                      Y88b.
'Y88888P'
           888
                      'Y88888P'
                                 888
                                        Y888
                                              'Y8888
                                                       'Y8888
{(D)enial(OFF)ensive(S)ervice[ToolKit]}-{by_(io=psy+/03c8.net)}
[AI] Downloading list of [Zombies] from [Private] server: DIP ...
[AI] Trying [Blackhole] [Server]: DIP
 0
```

# OTHER TOOLS

# Tools used: -

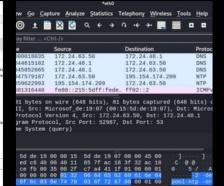
Theharvester, hydra, nmap, wireshark, autopsy, ngork, phoneinfoga, sqlmap, dnsenum, burpsuite, volatility, etc.













[!] legal disclaimer: Usage of sqlmap for attacking targets s illegal. It is the end user's responsibility to obey all eral laws. Developers assume no liability and are not respo caused by this program

[\*] starting @ 10:44:53 /2019-04-30/

[10:44:54]	[INFO]	testing connection to the target URL
[10:44:54]	[INFO]	heuristics detected web page charset 'asc
[10:44:54]	[INFO]	checking if the target is protected by so
[10:44:54]	[INFO]	testing if the target URL content is stab
[10:44:55]	[INFO]	target URL content is stable
[10:44:55]	[INFO]	testing if GET parameter 'id' is dynamic
[10:44:55]	[TNFO]	GFT parameter 'id' appears to be dynamic