



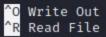
## File Actions Edit View Help

```
GNU nano 7.2
                                                                       /etc/inetsim/inetsim.conf
# quotd_udp, chargen_tcp, chargen_udp, finger,
# ident, syslog, dummy_tcp, dummy_udp, smtps, pop3s,
start_service dns
start_service http
start_service https
#start_service pop3
#start_service pop3s
#start_service daytime_tcp
#start_service daytime_udp
#start_service chargen_udp
```

## 

```
# IP address to bind services to
# Default: 127.0.0.1
service_bind_address 192.168.32.100
```

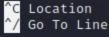
Help ^X Exit













M-A Set Mark M-6 Copy

```
dns_static
 Static mappings for DNS
 Syntax: dns_static <fqdn hostname> <IP address>
dns_static epicode.internal 192.168.32.100
#dns static ns1.foo.com 10.70.50.30
#dns static ftp.bar.net 10.10.20.30
```

kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox File Macchina Visualizza Inserimento Dispositivi Aiuto - **6** • 1 2 3 4 \*eth0 File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help 0 Դ +← →• **-** + Apply a display filter ... <Ctrl-/> No. Destination Protocol Length Info Time Source 1 0.000000000 PcsCompu 67:4b:8b Broadcast ARP 60 Who has 192.168.32.100? Tell 192.168.32.101 2 0.000063489 PcsCompu cb:7e:f5 PcsCompu 67:4b:8b ARP 42 192.168.32.100 is at 08:00:27:cb:7e:f5 TCP 66 49160 → 80 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK PERM 3 0.000579557 192.168.32.101 192.168.32.100 TCP 4 0.000641205 192.168.32.100 192.168.32.101 66 80 → 49160 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 SACK\_... TCP 5 0.001015778 60 49160 → 80 [ACK] Seg=1 Ack=1 Win=65700 Len=0 192.168.32.101 192.168.32.100 6 0.001286685 192.168.32.101 192.168.32.100 **HTTP** 340 GET / HTTP/1.1 54 80 → 49160 [ACK] Seq=1 Ack=287 Win=64128 Len=0 7 0.001305408 192.168.32.100 192.168.32.101 TCP TCP 204 80 - 49160 [PSH, ACK] Seq=1 Ack=287 Win=64128 Len=150 [TCP segme... 8 0.070399678 192.168.32.100 192.168.32.101 9 0.075698054 192.168.32.100 192.168.32.101 HTTP 312 HTTP/1.1 200 OK (text/html) TCP 60 49160 → 80 [ACK] Seg=287 Ack=410 Win=65292 Len=0 10 0.076223412 192.168.32.101 192.168.32.100 11 0.076486031 192.168.32.101 192.168.32.100 TCP 60 49160 → 80 [FIN, ACK] Seq=287 Ack=410 Win=65292 Len=0 54 80 - 49160 [ACK] Seg=410 Ack=288 Win=64128 Len=0 12 0.076514407 192.168.32.100 TCP 192.168.32.101 Frame 6: 340 bytes on wire (2720 bits), 340 bytes captured (2720 bits) on interface eth0, id 0 Ethernet II, Src: PcsCompu\_67:4b:8b (08:00:27:67:4b:8b), Dst: PcsCompu\_cb:7e:f5 (08:00:27:cb:7e:f5) Destination: PcsCompu\_cb:7e:f5 (08:00:27:cb:7e:f5) Source: PcsCompu\_67:4b:8b (08:00:27:67:4b:8b) Type: IPv4 (0x0800) Internet Protocol Version 4, Src: 192.168.32.101, Dst: 192.168.32.100 Transmission Control Protocol, Src Port: 49160, Dst Port: 80, Seq: 1, Ack: 1, Len: 286 ▼ Hypertext Transfer Protocol GET / HTTP/1.1\r\n Accept: \*/\*\r\n Accept-Language: en-US\r\n User-Agent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.1; WOW64; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET C... Accept-Encoding: gzip, deflate\r\n Windows [In esecuzione] - Oracle VM VirtualBox X Host: epicode.internal\r\n INetSim default HTML page - Windows Internet Explorer Connection: Keep-Alive\r\n SM http://epicode.internal/ ▼ 10 44 × 10 Bing 0 +  $r\n$ 🙀 Favorites 🛘 🎪 🔊 Suggested Sites 💌 🔊 Web Slice Gallery 💌 🔄 🕶 🔝 🕶 📾 🕶 Page 🕶 Safety 🕶 Tools 🕶 🚱 🕶 MM INetSim default HTML page [HTTP request 1/1] [Response in frame: 9] This is the default HTML page for INetSim HTTP server fake mode wireshark\_eth02VXEF2.pcapng This file is an HTML document Ready to load or capture

STRA)

kali-linux-2023.3-virtualbox-amd64 [In esecuzione] - Oracle VM VirtualBox File Macchina Visualizza Inserimento Dispositivi Aiuto ■ 🏄 🚳 🛂 🗸 □ ◆ 12:49 \*eth0 File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help **(** Q + > 1 + + > == Apply a display filter ... <Ctrl-/> No. Time Source Destination Protocol Length Info 1 0.000000000 192.168.32.101 192,168,32,100 TCP 66 49172 - 443 [SYN] Seq=0 Win=8192 Len=0 MSS=1460 WS=4 SACK PE TCP 2 0.000113063 192.168.32.100 192.168.32.101 66 443 - 49172 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460 3 0.000622514 TCP 60 49172 - 443 [ACK] Seq=1 Ack=1 Win=65700 Len=0 192.168.32.101 192.168.32.100 215 Client Hello TLSv1 4 0.002280813 192.168.32.101 192.168.32.100 5 0.002337380 192.168.32.101 TCP 54 443 - 49172 [ACK] Seq=1 Ack=162 Win=64128 Len=0 192.168.32.100 1373 Server Hello, Certificate, Server Key Exchange, Server Hello 6 0.091240852 192.168.32.100 192,168,32,101 TLSv1 7 0.103868547 192.168.32.101 192.168.32.100 TLSv1 188 Client Key Exchange, Change Cipher Spec, Encrypted Handshake 192.168.32.101 8 0.103944765 192.168.32.100 TCP 54 443 - 49172 [ACK] Seq=1320 Ack=296 Win=64128 Len=0 9 0.105410870 192.168.32.100 192.168.32.101 TLSv1 113 Change Cipher Spec, Encrypted Handshake Message PcsCompu\_67:4b:8b ARP 60 Who has 192,168,32,1? Tell 192,168,32,101 10 0.117110089 Broadcast 192.168.32.100 TCP 60 49172 → 443 [ACK] Seg=296 Ack=1379 Win=64320 Len=0 11 0.301079236 192.168.32.101 60 Who has 192.168.32.1? Tell 192.168.32.101 ARP 12 1.052428389 PcsCompu 67:4b:8b Broadcast ARP 60 Who has 192.168.32.1? Tell 192.168.32.101 13 2.051058522 PcsCompu\_67:4b:8b Broadcast 14 3.259301772 fe80::5530:d90c:baa... ff02::1:3 LLMNR 84 Standard guery 0xc605 A wpad 224.0.0.252 64 Standard query 0xc605 A wpad 15 3.259499225 192,168,32,101 LLMNR fe80::5530:d90c:baa... ff02::1:3 16 3.364761121 LLMNR 84 Standard query 0xc605 A wpad 64 Standard guery 0xc605 A wpad 17 3.364761828 192,168,32,101 224.0.0.252 LLMNR Frame 9: 113 bytes on wire (904 bits), 113 bytes captured (904 bits) on interface eth0, id 0 Ethernet II, Src: PcsCompu\_cb:7e:f5 (08:00:27:cb:7e:f5), Dst: PcsCompu\_67:4b:8b (08:00:27:67:4b:8b) Destination: PcsCompu 67:4b:8b (08:00:27:67:4b:8b) Source: PcsCompu\_cb:7e:f5 (08:00:27:cb:7e:f5) Type: IPv4 (0x0800) Internet Protocol Version 4, Src: 192.168.32.100, Dst: 192.168.32.101 Transmission Control Protocol, Src Port: 443, Dst Port: 49172, Seq: 1320, Ack: 296, Len: 59 Transport Layer Security Windows [In esecuzione] - Oracle VM VirtualBox - TLSv1 Record Layer: Change Cipher Spec Protocol: Change Cipher Spec Content Type: Change Cipher Spec (20) INetSim default HTML page - Windows Internet Explores C V D https://epicode.internal/ • 🖫 Certificate Error 🕞 🐤 🔀 👂 Bing Version: TLS 1.0 (0x0301) Favorites | 😘 🔊 Suggested Sites 🕶 😰 Web Slice Gallery 🕶 Length: 1 Change Cipher Spec Message This is the default HTML page for INetSim HTTP server fake mode → TLSv1 Record Layer: Handshake Protocol: Encrypted Handshake Message This file is an HTML document Content Type: Handshake (22) Version: TLS 1.0 (0x0301) Length: 48 Handshake Protocol: Encrypted Handshake Message wireshark\_eth05DHIF2.pcapng Ready to load or capture fault € × 100% × 6(49 PM

DESTRA)

Il protocollo HTTPS integra l'interazione del protocollo HTTP utilizzando i protocolli SSL (Secure Sockets Layer) o TLS (Transport Layer Security) per proteggere il canale di comunicazione.

Nella cattura fatta con Wireshark, questo è subito visibile in quanto, nella richiesta attraverso HTTPS, differentemente rispetto la stessa cattura con HTTP, è presente il protocollo TLS che tenta di criptare il canale di comuicazione.

Il traffico in HTTP viene invece trasmesso in testo semplice. Ciò significa che tutti i dati scambiati tra il client e il server, comprese le informazioni sensibili come credenziali di accesso o dettagli personali, possono essere facilmente intercettati e letti.