

Tugas Keamanan Jaringan Komputer
“Perbedaan Scanning Target Menggunakan
Chrome Dan Tor”



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Tor Browser adalah versi Mozilla Firefox yang termutakhir dan dioptimalkan untuk privasi. Tidak seperti peramban lainnya, Tor Browser: menyediakan anonimitas daring dengan menyembunyikan alamat IP pengguna. menembus sensor daring dengan memungkinkan pengguna untuk mengakses situs web dan/atau halaman web yang diblokir.

Wireshark adalah salah satu dari sekian banyak tool Network Analyzer yang banyak digunakan oleh Network Administrator untuk menganalisa kinerja jaringannya dan mengontrol lalu lintas data di jaringan yang Anda kelola. Wireshark menggunakan interface yang menggunakan Graphical User Interface (GUI).

Disini alamat web yang digunakan adalah **Grand-indonesia.com**

Berikut ini adalah alamat IP awalnya yaitu 192.168.43.226 :

```
Command Prompt
Connection-specific DNS Suffix . . . :
Link-local IPv6 Address . . . . . : fe80::44e6:5c1:b196:d1e2%21
Autoconfiguration IPv4 Address. . . : 169.254.209.226
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 3:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . . :

Wireless LAN adapter Local Area Connection* 4:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . . :

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix . . . :
Link-local IPv6 Address . . . . . : fe80::e0c9:2c5d:d13b:c19b%3
IPv4 Address. . . . . : 192.168.43.226
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.43.1

Ethernet adapter Bluetooth Network Connection:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . . :
```

Ketika menggunakan web browser Chrome. Bisa kita lihat alamat IP-nya sama seperti yang ada pada command prompt.

No.	Time	Source	Destination	Protocol	Length	Info
253	1...	103.200.7.91	192.168.43.226	SSLv2	1454	Encrypted Data
254	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
255	1...	192.168.43.226	103.200.7.91	TCP	54	26027 → 443 [ACK] Seq=1 Ack=75601 Win=765 Len=0
256	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
257	1...	192.168.43.226	103.200.7.91	TCP	54	26027 → 443 [ACK] Seq=1 Ack=77001 Win=765 Len=0
258	1...	103.200.7.91	192.168.43.226	SSLv2	1454	Encrypted Data
259	1...	192.168.43.226	103.200.7.91	TCP	596	[TCP Retransmission] 26025 → 443 [PSH, ACK] Seq=1 Ack=10288 Win=257 Len=542
260	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
261	1...	192.168.43.226	103.200.7.91	TCP	54	26027 → 443 [ACK] Seq=1 Ack=79801 Win=765 Len=0
262	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
263	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
264	1...	192.168.43.226	103.200.7.91	TCP	54	26027 → 443 [ACK] Seq=1 Ack=82601 Win=765 Len=0
265	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
266	1...	103.200.7.91	192.168.43.226	TCP	910	[TCP segment of a reassembled PDU]
267	1...	192.168.43.226	103.200.7.91	TCP	54	26027 → 443 [ACK] Seq=1 Ack=84857 Win=765 Len=0
268	1...	103.200.7.91	192.168.43.226	TCP	1454	[TCP segment of a reassembled PDU]
269	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 41729
270	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 41985
271	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 42241
272	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 42497
273	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 42753
274	1...	74.125.68.93	192.168.43.226	QUIC	1392	Payload (Encrypted), Seq: 43009

Lalu ketika menggunakan menggunakan TOR browser alamat IP nya berubah menjadi 192.168.137.23 dan 103.200.7.9 karena TOR sendiri menyembunyikan ip kita lalu menginputkannya dengan ip orang lain sehingga kita tidak terjamah oleh situs yang kita kunjungi. Inilah yang membedakan browser biasa dan tor browser.

No.	Time	Source	Destination	Protocol	Length	Info
1	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
2	0...	103.200.7.91	192.168.137.253	SSL	1494	[TCP Previous segment not captured] Continuation Data
3	0...	192.168.137.253	103.200.7.91	TCP	66	26100 → 443 [ACK] Seq=1 Ack=1441 Win=258 Len=0 SLE=5761 SRE=7201
4	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
5	0...	192.168.137.253	103.200.7.91	TCP	66	[TCP Dup ACK 3#1] 26100 → 443 [ACK] Seq=1 Ack=1441 Win=258 Len=0 SLE=5761 SRE=8641
6	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
7	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
8	0...	192.168.137.253	103.200.7.91	TCP	54	26101 → 443 [ACK] Seq=1 Ack=2881 Win=258 Len=0
9	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
10	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
11	0...	192.168.137.253	103.200.7.91	TCP	54	26101 → 443 [ACK] Seq=1 Ack=5761 Win=258 Len=0
12	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
13	0...	192.168.137.253	103.200.7.91	TCP	66	26096 → 443 [ACK] Seq=1 Ack=4294965857 Win=258 Len=0 SLE=4294965857 SRE=1441
14	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
15	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
16	0...	192.168.137.253	103.200.7.91	TCP	54	26101 → 443 [ACK] Seq=1 Ack=8641 Win=258 Len=0
17	0...	103.200.7.91	192.168.137.253	SSL	1494	[TCP Previous segment not captured] Continuation Data
18	0...	192.168.137.253	103.200.7.91	TCP	74	[TCP Dup ACK 13#1] 26096 → 443 [ACK] Seq=1 Ack=4294964417 Win=258 Len=0 SLE=2881 SRE=4321 SLE=4294965857 SRE=1441
19	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
20	0...	192.168.137.253	103.200.7.91	TCP	66	26102 → 443 [ACK] Seq=1 Ack=4294965857 Win=258 Len=0 SLE=1 SRE=1441
21	0...	103.200.7.91	192.168.137.253	SSL	1494	Continuation Data
22	0...	192.168.137.253	103.200.7.91	TCP	66	[TCP Dup ACK 20#1] 26102 → 443 [ACK] Seq=1 Ack=4294965857 Win=258 Len=0 SLE=1 SRE=2881