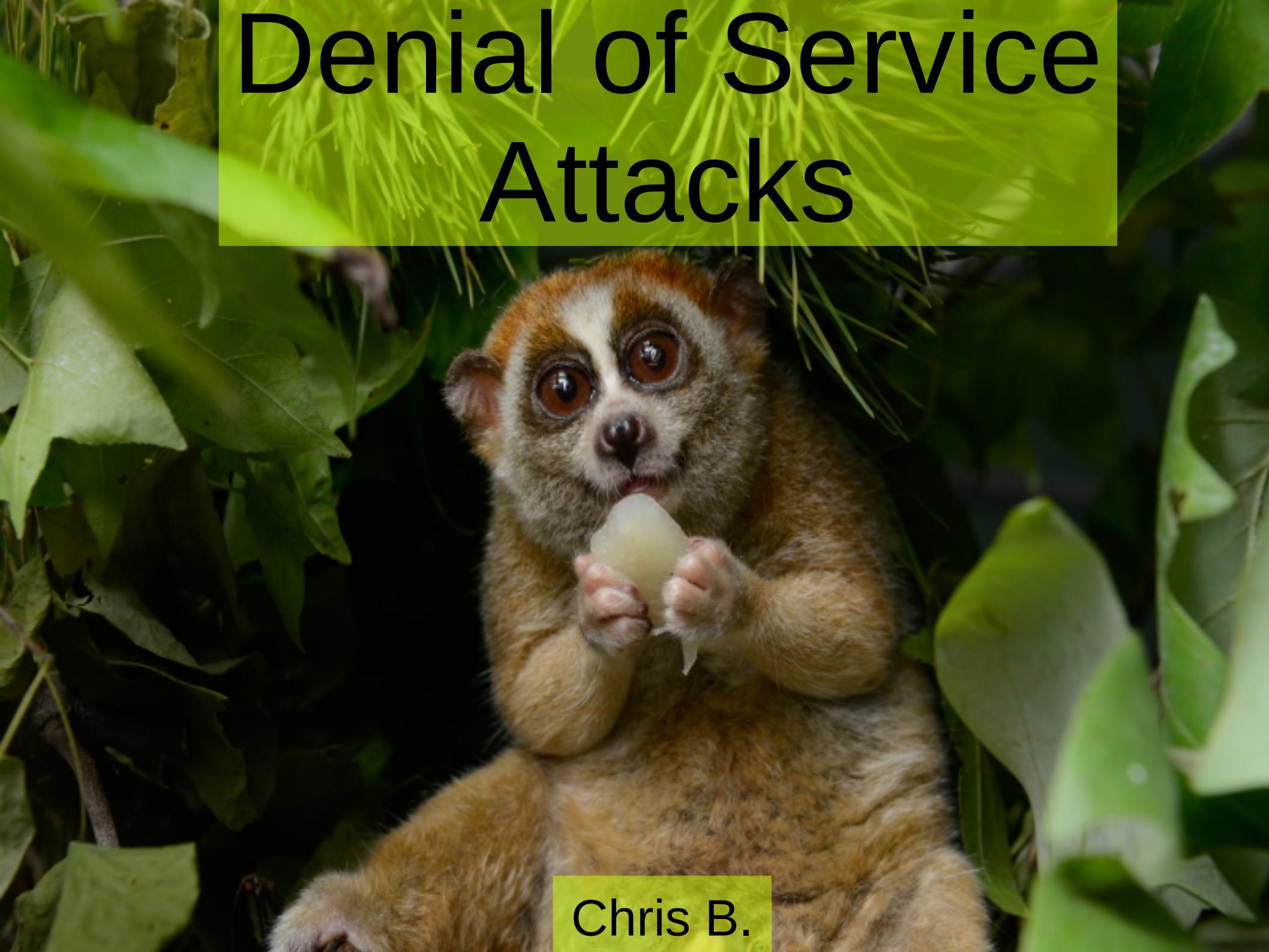
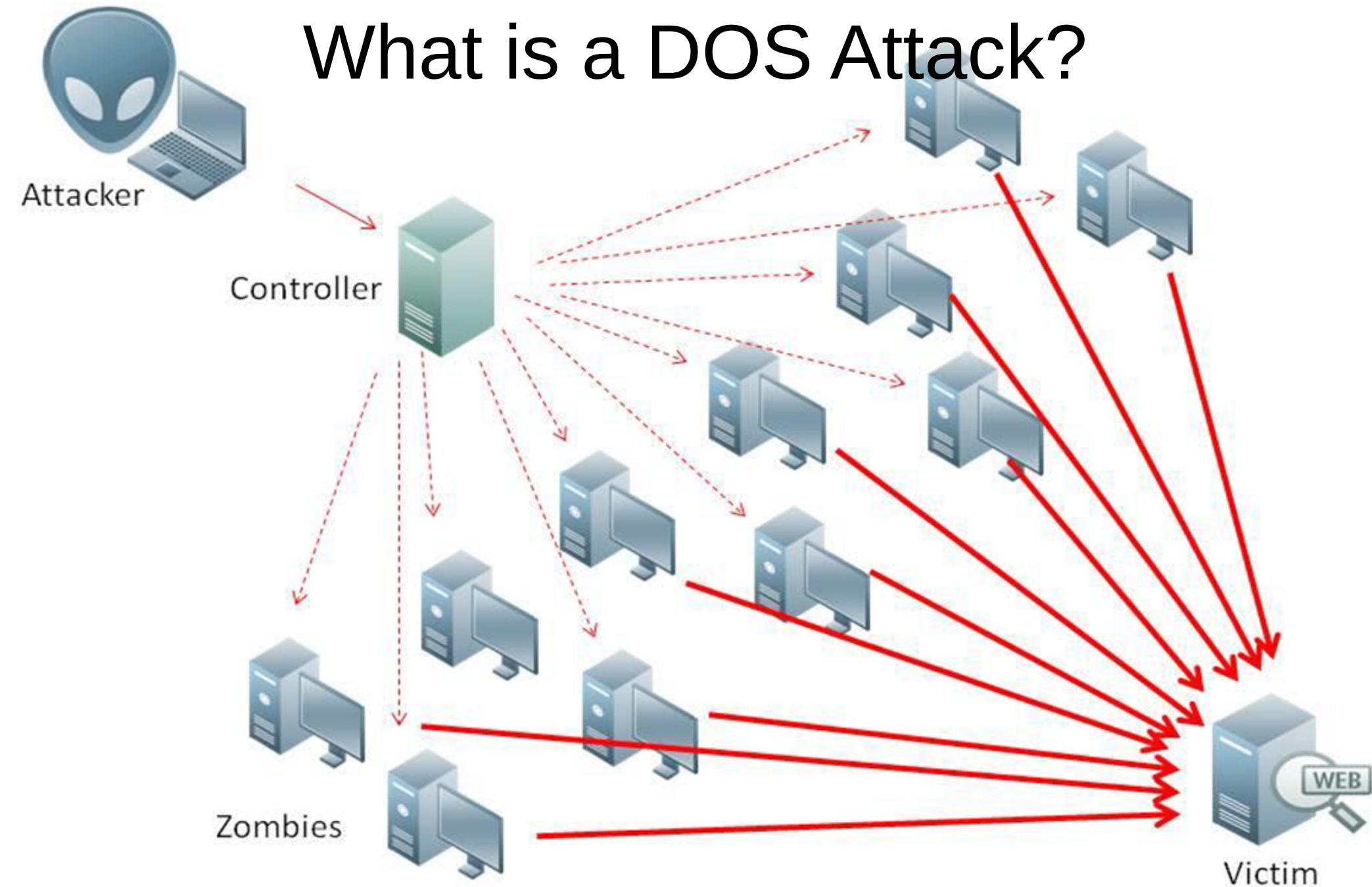


Denial of Service Attacks

A close-up photograph of a slow loris monkey, also known as a懒猴 (lǎn hóu) in Chinese. The monkey has large, expressive brown eyes and a small, pink nose. It is covered in brown and tan fur. It is sitting among dense green leaves and branches, holding a small, white, oval-shaped object, possibly a piece of fruit or a flower, in its front paws. The lighting is soft, highlighting the monkey's face and the texture of its fur.

Chris B.

What is a DOS Attack?



Today

DOS in Video Games

(Is it even a problem?)

Final Fantasy

Important Notice: ACR Temporarily Down Due to DDoS Attack

e-Sports: A Prime Target for DDoS Attacks

Gaming companies outsmart L

Protection from DDoS At

PLAYSTATION NETWORK (PSN) / 17 DEC 2014

WHAT IS A DDOS ATTACK, ANYWAY

The 'Dota 2' (Hire a DDoS service to take down

Tempo New Type of DDoS Attack Targets Online Games

Linking Amplification DDoS Attacks to Booter Services

Do Booters Work? Inside a DDoS for Hire A

Valve's \$18 million International 5 de

Dota 2 esport suspended a bit by DDoS

DoS Prevention

eSports Has a DDoS Problem

Blizzard confirms World of Warcraft target of DDoS attack [UPDATED]

DDoS Prevention

Yes

Solutions:

Play games that aren't susceptible to DOS
Attacks (Minesweeper, Solitaire, etc.)

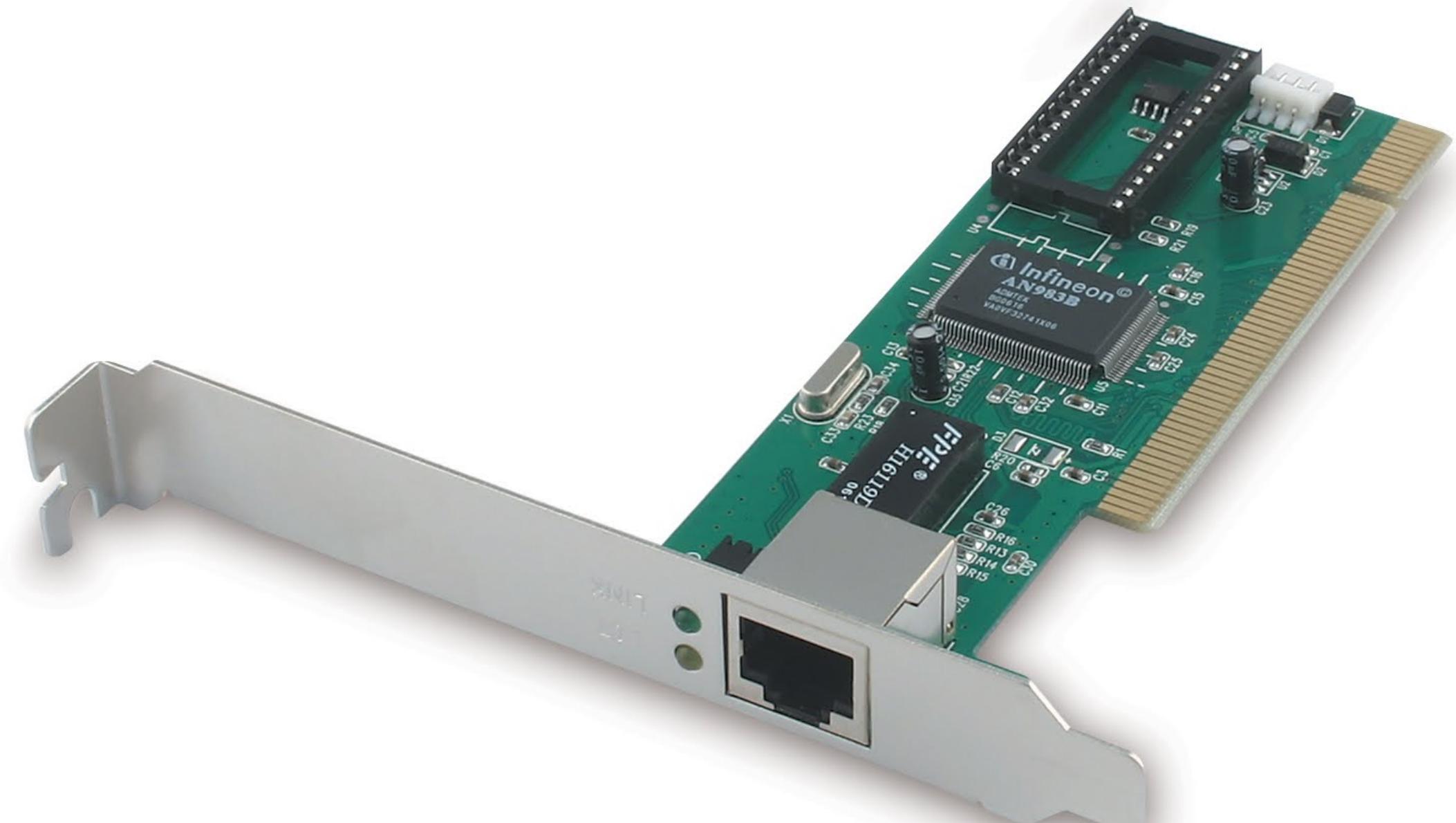
Cry and hope for the best.

Protect-Yo-Self!

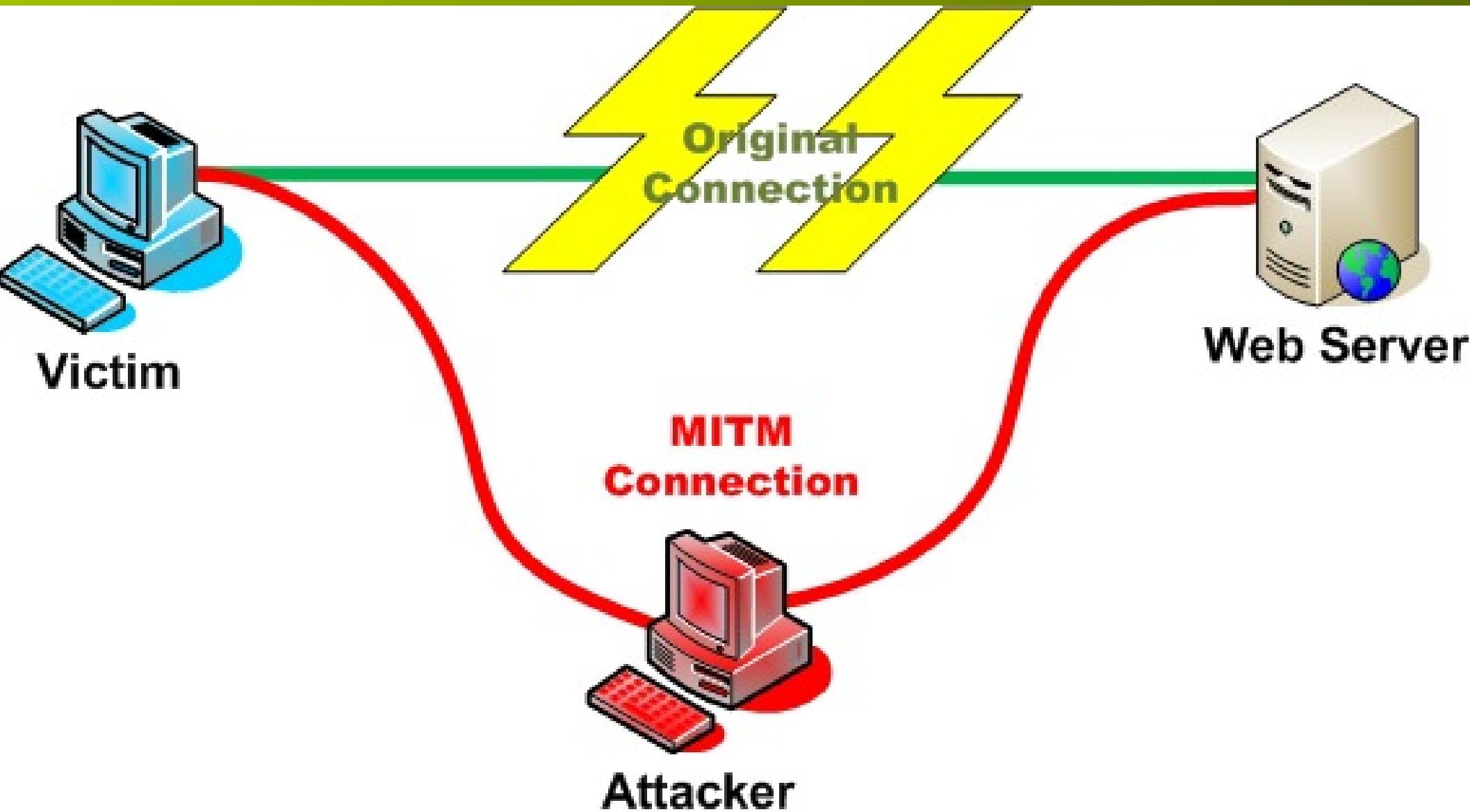
Part One

Learning

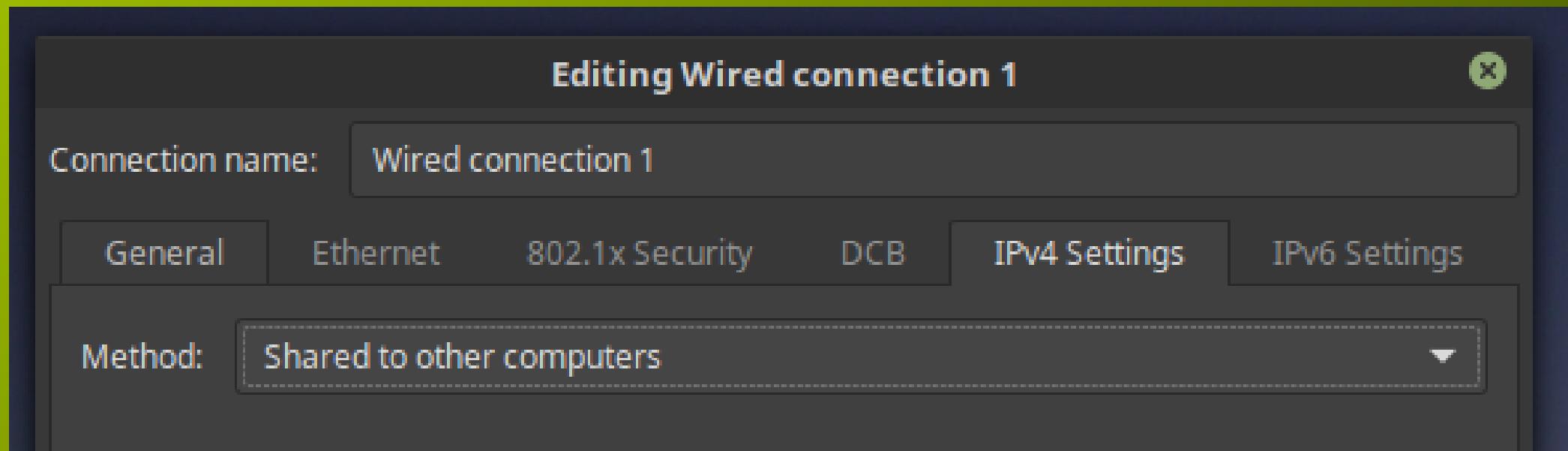
I've got this spare NIC and some
Ethernet Cable (cat5)...



Lets MITM myself!



Sharing the internet over the 2nd NIC...



Fire up your game of choice

The word "DESTINY" in white, sans-serif capital letters, centered on a dark blue background. A glowing yellow ring surrounds the text, and a large, stylized white letter "U" is positioned below it.

DESTINY™



Lets sniff that!

Welcome to Wireshark

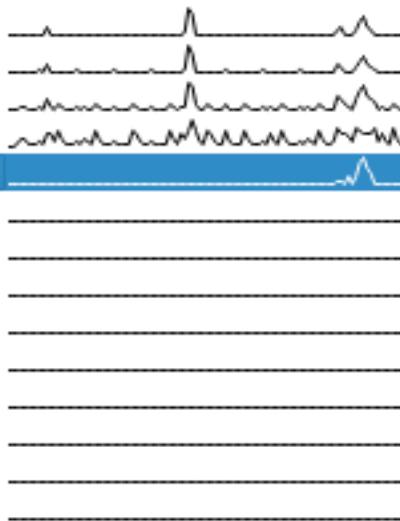
Capture

...using this filter: Enter a capture filter ...

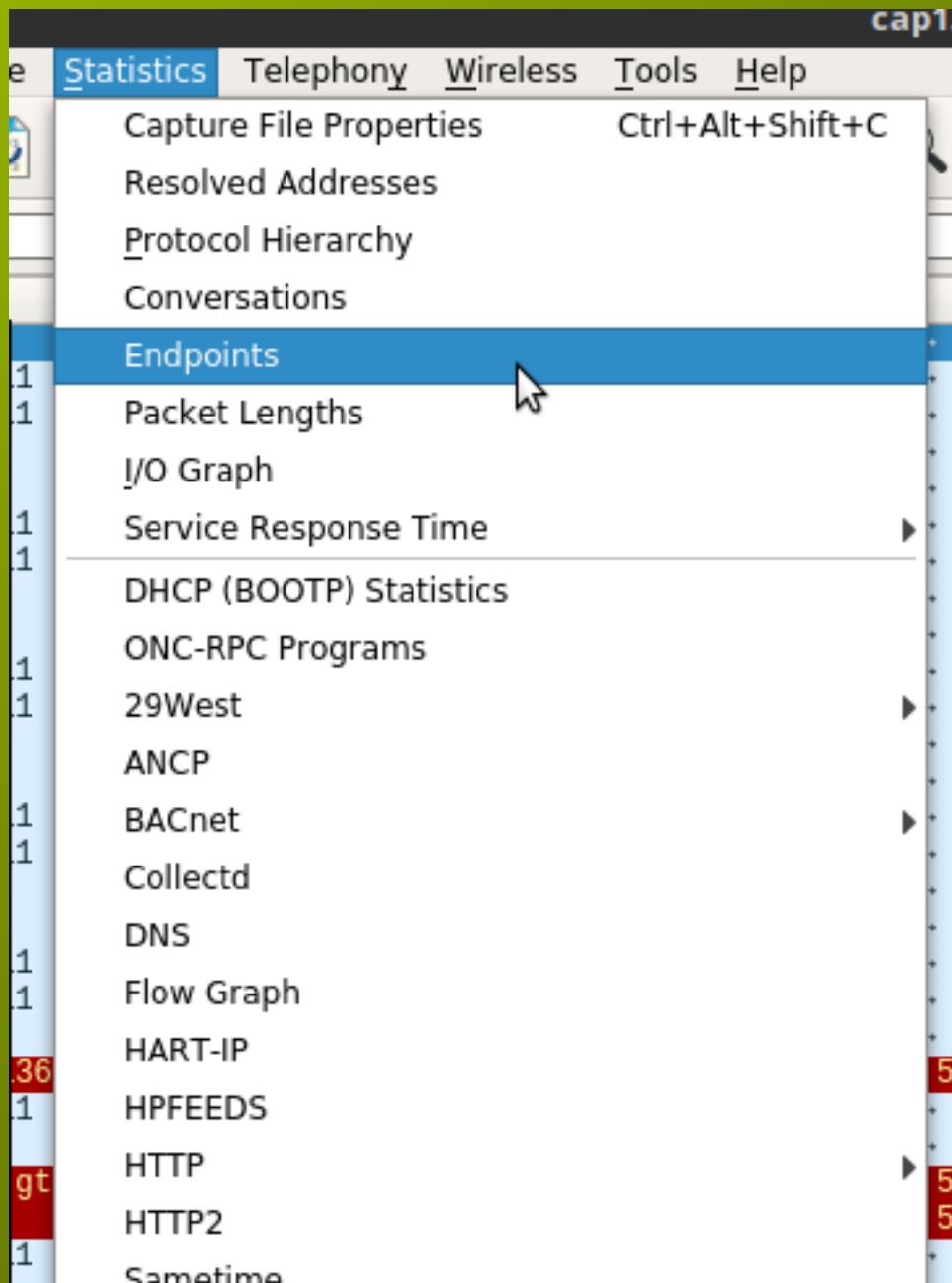
tun0
en01
any
Loopback: lo
enp4s2

nflog
nfqueue
usbmon1
usbmon2
usbmon3
usbmon4

 Cisco remote capture: cisco
 Random packet generator: randpkt
 SSH remote capture: ssh



Gonna make it easy on ourselves



Ta-Da

Ethernet · 11	IPv4 · 115	IPv6 · 11	TCP · 301	UDP · 237	Address	Packets	Bytes	Tx Packets	Tx Bytes	Rx Packets	Rx Bytes	AS Number	Country	City
10.42.0.228					11.lar-wy.client.bresnan.net	889,359	229 M	448,508	100 M	440,851	128 M	128	United States	Laramie, WY
					d1.tx.comcast.net	309,751	96 M	155,544	59 M	154,207	36 M	8 Charter Communicatio...	United States	Spring, TX
					118.compute-1.amazonaws....	112,601	23 M	56,138	11 M	56,463	12 M	7 Comcast Cable Commu...	United States	Ashburn, VA
					11.lar-wy.client.bresnan.net	74,678	16 M	36,714	8259 k	37,964	8468 k	8 Amazon.com, Inc.	United States	Laramie, WY
					ncp.wlwl.wa.charter.com	60,401	16 M	30,600	7354 k	29,801	9144 k	8 Charter Communicatio...	United States	Walla Walla, WA
					11.us-west-2.compute.amaz...	39,394	7807 k	19,853	3937 k	19,541	3870 k	5 Charter Communicatio...	United States	Boardman, OR
					11.ca.comcast.net	36,231	8214 k	18,321	4199 k	17,910	4015 k	9 Amazon.com, Inc.	United States	San Jose, CA
					ph.cox.net	36,142	7336 k	18,020	3698 k	18,122	3638 k	3 Comcast Cable Commu...	United States	Goodyear, AZ
					hsd1.wa.comcast.net	34,608	7047 k	17,078	3515 k	17,530	3531 k	3 Cox Communications I...	United States	Seattle, WA
					cp.mdfd.or.charter.com	28,184	5634 k	12,967	2583 k	15,217	3051 k	5 Charter Communicatio...	United States	Grants Pass, OR
					7.lar-wy.client.bresnan.net	26,869	5431 k	13,445	2709 k	13,424	2721 k	8 Charter Communicatio...	United States	Laramie, WY
					7.lar-wy.client.bresnan.net	9,487	2059 k	4,136	989 k	5,351	1070 k	8 Charter Communicatio...	United States	Laramie, WY
					7.lar-wy.client.bresnan.net	8,664	1715 k	3,302	643 k	5,362	1072 k	8 Charter Communicatio...	United States	—
					7.lar-wy.client.bresnan.net	7,546	1956 k	3,665	1393 k	3,881	563 k	73 Bungie Inc.	United States	—
					7.lar-wy.client.bresnan.net	7,209	1468 k	3,630	746 k	3,579	721 k	Qwest Communications ...	United States	Salt Lake City, UT
					7.lar-wy.client.bresnan.net	7,083	1362 k	3,586	719 k	3,497	643 k	5 Charter Communicatio...	United States	Ballwin, MO
					7.lar-wy.client.bresnan.net	7,025	6082 k	3,761	5145 k	3,264	937 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	6,592	1226 k	2,911	710 k	3,681	515 k	73 Bungie Inc.	United States	Bellevue, WA
					7.lar-wy.client.bresnan.net	6,078	1137 k	2,983	559 k	3,095	577 k	TELUS Communications I...	Canada	Jasper, AB
					7.lar-wy.client.bresnan.net	5,861	1089 k	2,875	531 k	2,986	558 k	1 Time Warner Cable Int...	United States	Jamestown, NY
					7.lar-wy.client.bresnan.net	5,817	1097 k	2,838	541 k	2,979	556 k	2 Comcast Cable Commu...	United States	Fishers, IN
					7.lar-wy.client.bresnan.net	5,650	833 k	2,849	665 k	2,801	168 k	—	—	—
					7.lar-wy.client.bresnan.net	5,557	1009 k	2,893	523 k	2,664	485 k	1 AT&T Services, Inc.	United States	—
					7.lar-wy.client.bresnan.net	5,302	1049 k	2,541	503 k	2,761	545 k	8 Charter Communicatio...	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	4,817	931 k	2,504	469 k	2,313	462 k	2 Vodafone Italia S.p.A.	Italy	Levane, 16
					7.lar-wy.client.bresnan.net	4,577	919 k	2,274	457 k	2,303	461 k	Tiscali UK Limited	United Kingdom	Thatcham, P4
					7.lar-wy.client.bresnan.net	3,840	801 k	1,903	386 k	1,937	415 k	9 Amazon.com, Inc.	Ireland	Dublin, 07
					7.lar-wy.client.bresnan.net	3,496	487 k	1,726	308 k	1,770	178 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	3,316	676 k	1,540	320 k	1,776	355 k	Telefonica Germany	Germany	Frankfurt Am Main, 0
					7.lar-wy.client.bresnan.net	3,133	296 k	3,005	284 k	128	12 k	—	—	—
					7.lar-wy.client.bresnan.net	2,551	467 k	1,223	225 k	1,328	242 k	Cablevision Systems Co...	United States	West New York, NJ
					7.lar-wy.client.bresnan.net	2,522	843 k	1,213	681 k	1,309	162 k	73 Bungie Inc.	United States	—
					7.lar-wy.client.bresnan.net	2,469	2221 k	1,155	1306 k	1,314	914 k	Microsoft Corporation	United States	—
					7.lar-wy.client.bresnan.net	2,281	163 k	0	0	2,281	163 k	—	—	—
					7.lar-wy.client.bresnan.net	2,250	1464 k	1,145	610 k	1,105	854 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	1,829	495 k	898	356 k	931	138 k	73 Bungie Inc.	United States	—
					7.lar-wy.client.bresnan.net	1,296	271 k	627	188 k	669	82 k	73 Bungie Inc.	United States	—
					7.lar-wy.client.bresnan.net	1,294	343 k	614	241 k	680	102 k	73 Bungie Inc.	United States	—
					7.lar-wy.client.bresnan.net	1,103	664 k	491	238 k	612	426 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	1,052	76 k	526	44 k	526	31 k	Hurricane Electric, Inc.	United States	Fremont, CA
					7.lar-wy.client.bresnan.net	1,051	631 k	482	387 k	569	244 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	977	213 k	441	95 k	536	117 k	8 Amazon.com, Inc.	United States	Ashburn, VA
					7.lar-wy.client.bresnan.net	620	102 k	0	0	620	102 k	—	—	—
					7.lar-wy.client.bresnan.net	609	77 k	302	45 k	307	31 k	Microsoft Corporation	United States	Boydtown, VA
					7.lar-wy.client.bresnan.net	309	136 k	160	90 k	149	46 k	0 Akamai International ...	United States	—
					7.lar-wy.client.bresnan.net	289	131 k	140	74 k	149	57 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	220	15 k	0	0	220	15 k	2 North Carolina State U...	United States	Raleigh, NC
					7.lar-wy.client.bresnan.net	201	14 k	0	0	201	14 k	4 Cablemas Telecomuni...	Mexico	Tijuana, 02
					7.lar-wy.client.bresnan.net	198	22 k	98	9800	100	12 k	9 Amazon.com, Inc.	United States	Boardman, OR
					7.lar-wy.client.bresnan.net	187	13 k	0	0	187	13 k	4 Cablemas Telecomuni...	Mexico	Chilpancingo, 12
					7.lar-wy.client.bresnan.net	180	82 k	94	44 k	86	38 k	Microsoft Corporation	United States	Cheyenne, WY
					7.lar-wy.client.bresnan.net	163	38 k	83	29 k	80	9074	Microsoft Corporation	United States	Boydtown, VA
					7.lar-wy.client.bresnan.net	160	11 k	0	0	160	11 k	—	—	—

Now what?

Best and most reliable stresser in the market.

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RICTED AREA!

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1 Concurrent
300 seconds boot time
250Gbps total network capacity
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29.99

⌚ XyZ Public Network

⌚ 150-200Gbps Network Capacity

⌚ 26 Attack Methods

Name	Attack Time	Concurrent(s)	Plan Length	Attack Amount & Power	Server Access & Tools	Support	Price	Select
Bronze Monthly	300 Seconds	1 Concurrent	30 Days	Unlimited Attacks @ 10-15Gbps L4 and 5-10K R/s L7 Per Attack	Access To Tier 1 Servers & All Tools	Regular Support	\$3	Purchase Now
Silver Monthly	700 Seconds	1 Concurrent	30 Days	Unlimited Attacks @ 10-15Gbps L4 and 5-10K R/s L7 Per Attack				
Gold Monthly	1500 Seconds	1 Concurrent	30 Days	Unlimited Attacks @ 20-25Gbps L4 and 15-20K R/s L7 Per Attack				
Platinum Monthly	3600 Seconds	1 Concurrent	30 Days	Unlimited Attacks @ 20-25Gbps L4 and 15-20K R/s L7 Per Attack				
Extreme Monthly	7200 Seconds	2 Concurrents	30 Days	Unlimited Attacks @ 30-35Gbps L4 and 20-25K R/s L7 Per Attack				
Ultra	10800	3 Concurrents	30 Days	Unlimited Attacks @				

Bronze

Starting From

\$ 15

Per Month

Starting at \$5.00

From 10 minutes up to 12 hour launch durations!

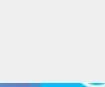
Simulate up to 50 Gbps network connectivity!



1 Month - Bronze



1 Month - Silver



1 Month - Platinum

1 Concurrents

1200 Seconds Boot Time

1 Concurrents

3000 Seconds Boot Time

1 Concurrents

7200 Seconds Boot Time

1 Concurrent Attack.

900 Seconds Boot Time

500Gbps + 500k R/SNetwork

All Methods: L4 + L7

WAT OMG U BOT A BOOTR?

No. That's illegal.

Part Two

Protect-Yo-Self

I jus wana gam fam; wat do?

- Purchase/Play games that don't have p2p connections.

And / Or

- Buy a good VPN

What's a “good” VPN?

Assuming you are only using this to thwart
hax0rs and don't care a/b privacy:

Good speeds (30MB/s+)

Servers as close to you (geographically) as
possible

How does it work on my console?

It doesn't. Buy a PC.

(#PCMMASTERRACE)

Option 1:

Router + VPN

Option 2:

Become a gateway to your future!

(Route through your VPN'd computer)

Router + VPN

- Purchase VPN plan.
- Obtain Router:
 - Buy a VPN capable router
 - Build a DD-WRT/Tomato Router
- Plug your deets into the router
- Plug your ^{lousy} console into the router
- ???
- Profit

Become a gateway to your future!

- Get 2nd NIC for your computer
- Purchase VPN plan
- Setup VPN on computer
- Route all traffic on 2nd NIC through computers internet connection (“Share” it)
- Plug yo console into 2nd NIC on computer
- ???
- Profit

Questions?

