DIGITAL DISRUPTION:

Hacktivism and DDoS

DDoS Workshop ADC 2023 November 27nd, 2023

Martijn Peijer SOC Belastingdienst



Image Source: Utopia.Fans

~ whoami



- Martijn Peijer
- Security Analyst & Ethical Hacker
- RED-Team SOC Belastingdienst
- Threat Hunting
- Vulnerability Scanning
- CVDs/RDs
- Hacking
- DDoS Tests
- CTI
- OSINT



When the government tells you to work from home but you're on the red team so you're not sure whose home you're supposed to work from.





When you use CTRL + C instead of copying using right click



Image Sources: 9Gag & Reddit

CONTENTS

- Hacktivism, Targets & Methods
- DDoS Attack Types & Botnets
- Hacktivist Groups, Attacks & Cyberwarfare
- Anonymous Sudan, Killnet & Dark Parliament
- NoName057(16)
- Technical Analysis of DDoSia Client
- Red Cross Rules of Engagement for Hackers
- What can you do?
- Questions



HACKTIVISM

Hacktivist:

"A person who gains unauthorized access to computer files or networks in order to further social or political ends."



Image Source: X (@HackTheHague)

CYBERTERRORISM

"Uses the same tactics and methods as hacktivists, but to cause fear, harm, or disruption. In severe cases, cyberterrorism may involve targeting critical infrastructure or systems to cause loss of life or severe economic damage."



Image Source: AFMP

HACKTIVISM TARGETS

- Political
- Social
- Religious
- Anarchist



Image Source: Fruugo NL

HACTIVISM TARGETS BY SECTOR



Image Source: Cloudflare

HACKTIVISM METHODS

- Doxing
- Anonymous blogging
- Informational leaks
- Geo-bombing
- Website mirroring
- Defacement (code changing)
- DoS and DDoS Attacks



Image Source: iStockPhoto

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DDOS ATTACK TYPES BY HACKTIVIST ALLIANCES

Network-Layer DDoS Attacks - Distribution by top attack vectors



Image Source: Cloudflare

DDOS BOTNETS

IoT-based botnet attack

VPS-based botnet attack





Image Source: Cloudflare

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HACKTIVIST GROUPS



Image Sources: Wikipedia, socradar.io & BBC

LARGE ATTACKS

- 2008, Anonymous: Attack on Church of Scientology
- 2010, WikiLeaks: Exposure of Afghanistan & Iraq War documents
- 2011 & 2017, Anonymous: Operation Darknet
- 2011, LulzSec: Attack on Sony

- 2013, Syria Electronic Army: Fake news through defacement
- 2022, Anonymous: Attacks on Russia
- 2023: NoName: Attacks on the West

CYBERWARFARE

- More and more groups joining the scene
- 35 Pro-Palestinian, 4 Pro-Israelian
- Russian groups joining
- DDoS, Data Breaches, Doxing & Defacing



Image Source: Universiteit van Amsterdam

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ANONYMOUS SUDAN

- Formed January 2023
- Targeting countries and organizations
- "Anti-muslim activity"
- Seemingly also Russian members
- Usually mentions upcoming targets on Telegram



Image Source: BBC

Notable attacks:

- Feb. 2023: Sweden & Denmark for burning Qurans
- Mar. 2023: Australian universities, hospitals and airports
- Apr. 2023: Israeli websites for military activity in Palestine
- Jul. 2023: Fan-fiction site AO3 for LGBTQ+ and NSFW content

KILLNET

- Formed March 2022
- Pro-Russian
- Attacking any country supporting Ukraine
- Usually after certain events (i.e. promising delivery of tanks or fighter jets)
- Close with Anonymous Sudan

Notable attacks:

- Eurovision 2022
- Latvia's largest ever attack
- Lockheed Martin
- Dutch Health Sector in January 2023



Image Source: Medium.com

DARKNET PARLIAMENT

Consists of:

- REvil
- Anonymous Sudan
- Killnet
- & more...

Large Attacks:

- SWIFT
- Microsoft



Microsoft confirms Azure, Outlook outages caused by DDoS attacks

Microsoft has confirmed that recent outages to Azure, Outlook, and OneDrive web portals resulted from Layer 7 DDoS attacks against the company's services.

The attacks are being attributed to a threat actor tracked by Microsoft as Storm-1359, who calls themselves Anonymous Sudan.

Source: BleepingComputer

DARKNET PARLIAMENT ATTACKS



Image Source: Cloudflare

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NONAME057(16)

- Formed March 2022
- 4 Telegram channels: Russian, English & 2 backup channels
- Partners: Killnet, Legion, NetKillnet, Beregini, NemeZida, XakNet
- First Bobik botnet, now the DDoSia Project
- NoName: ca. 52.000 members, DDoSia ca. 12.000 members
- Targets: mainly Estonia, Lithuania, Latvia and Poland. Ukraine less common

Image Source: Telegram @NoName



A Speaker of the Latvian Seimas Daiga Mieriņa stated the need to continue supporting Kyiv, because her country daily feels a "hybrid threat from Belarus" on its borders.

In this case, we will continue to increase the number of our DDoS missiles fired towards Latvia

The Russophobic authorities of the West must make it clear to themselves that the problems of their country must come before Zelensky's wishes!

X Electronic document management and electronic signature service:

check-host.net/check-report/136f917ak539

Seimas of Latvia: check-host.net/check-report/136f929dk4f5

XLatvian Post: check-host.net/check-report/136f94eekeda

NONAME MANIFESTO



Manifesto NoName057(16)

Every action creates a reaction. An open information war is being waged against Russia. Western Russophobes, using the administrative, financial and technical resources of foreign states, carry out attacks on the infrastructure of the Russian Federation.

We do not intend to sit idly by and in response to their hostile, openly anti-Russian actions, we will respond proportionately. It is unacceptable for Russophobia to become the norm!

We will never harm the innocent and our actions are a response to the rash acts of all those who have taken an openly hostile position. We have enough knowledge, strength and experience to restore justice where it has been violated. We don't attack our own because of our beliefs. Our Motherland is our point of strength.

We do not work on commercial orders and do not settle scores between competitors.

We are ready to cooperate with hacker groups and "free shooters" who share our values listed in the Manifesto.

The strength is in the truth, and we stand on that!



Greetings, comrades!

The hacker group NoName057(16) is on the warpath with Ukrainian under-hackers and their corrupt henchmen!

These fans of the neo-fascists who seized power in Ukraine are trying to attack the Internet resources of our country and intimidate our compatriots with their attacks on social networks and other communication channels. In response to their miserable attempts, we are carrying out massive attacks on dire propaganda resources that blatantly lie to people about Russia's special operation in Ukraine, as well as on the websites of Ukrainian unfortunate hackers who are trying to support Zelensky's neo-Nazi regime and a handful of drug addicts and Nazis from his pack!

We have a number of successful attacks on Ukrainian resources behind us, as a result of which users' access to them was paralyzed. And this is just the beginning.

Enemies, we want to recall the words of the famous Russian commander Alexander Nevsky: "Whoever comes to us with a sword will die by the sword!"

Here we will talk about our cases and attacks.

Image Sources: Telegram @NoName

NONAME'S DUTCH TARGETS

- 9292 OV
- OV-Chipkaart.nl
- Gvb.nl
- A-bike.nl
- Gemeente
 Vlaardingen
- Rederij-Doeksen.nl
- Port of Amsterdam
- Groningen Seaports
- Lelystad Airport

- SNS Bank
- PostNL
- Rijksoverheid.nl
- House of Representatives
- Rijkswaterstaat
- Rechtspraak.nl
- DIGID
- NCSC



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DDOSIA PROJECT

- DDoSia Manuals + Actual Software
- Suggestion of Targets
- DDoSia Support
- General Chat
- Useful material
- English support
- Your videos and screenshots of working with the DDoSia client

¢	DDosia Project 11.877 members	:
11	DDoSia - мануалы + актуальное ПО	05/07/2023
	DDosia Project: ddosia_(2).zip, Актуальное ПО от 5 июля	
2	Предложение целей	15:36
	Mark: Там есть ответы на все	20
	DDoSia - поддержка	15:31
	Mark: Тут	25330
#	Общий чат	13:40
	Михаил: Ещё вы можете поискать просто другое приложение камеры в Goog	gle Play. 🛛 🙎
<u> </u>	Полезные материалы	10:07
	KRAMP.CC x чек био: 2 files	6
E	English support	Sun
	Finn: Just like on any other system. Download the client, unpack .zip to any foulde	er. Then put "c
822 824	Ваши видео и скриншоты работы с клиентом DDosia	▲ 17/05/2023

Image Source: Telegram @DDoSia

DDOSIA PROJECT – ATTACK TYPES

- HTTP GET/POST Request randomization & Customization
- Nginx_loris Classic Slowloris on Nginx. Setting up multiple connections and sending parts of HTTP requests to keep the connectios open.
- HTTP2 Same as with HTTP, but on the HTTP2 protocol.
- TCP TCP_SYN Floods with random spoofed IPs and ports.

5 /42, LULUI 2.12K	81 1.79K						
s 759, total 2.18 🔄 C\DDosia\windows\Dosia.exe		- D	×				
s 792, total 2.22/attacks: success 401, total 1.14k			~				
s 810, total 2.32/attacks: success 425, total 1.21k			100				
s 825, total 2.36/attacks: success 449, total 1.28k							
5 834, total 2.42lattacks: success 472, total 1.34k							
s 872, total 2Frattacks: success 506, total 1.4k							
s 886, total 2.57%attacks: success 524, total 1.5k							
s 996, total 2.62lattacks: success 540, total 1.55k							
s 925, total 2.000atta 🔀 CADDosia/windows/Dosia.exe		-					
\DDosia\windows\Dosia.exe	– 🗆 X		^				
ks: success 510, total 1.45k	^						
ks: success 536, total 1.52k							
ks: success 558, total 1.59k							_
KS: SUCCESS 300, COLDI 1.03K KS: SUCCESS 500, total 1.71k							
ks: success 614, total 1.76k							
ks: success 631, total 1.81k							
ks: success 549, total 1.86k							
ks: success 686, total 1.97k							
ks: success 701, total 2.01k							
ks: success 719, total 2.06k							
KS: SUCCESS 734, TOTAL 2.1K							
ks: success 769, total 2.2k							
ks: success 785, total 2.25k							
ks: success 803, total 2.3k							
KS: SUCCESS 819, TOTAL 2,35K							
ks success and total 2.5%							
💈 C\DDosia 🤰 C\DDosia 🤰 C\DDosia 🤰 C\DDosia 🔰 C\DDosia 🤰 C\DDosia	Dosia 🔰 C:\DDosia	C:\DDosia	C:\DDosia	C:\DDosia	C:\DDosia	C:\DDosia	. 🛂 C:\DDosia
					1	謝	
		-					

- Python: 1800 requests per minute with four cores and 20 threads
- Go should be 8 times more efficient, so 14.400 requests
- Multiplied by about 12,000 users (max) = 172.800.000 requests / min

Image Source: Yarix

DDOSIA CLIENT - REVERSING

- Reversed in IDA
- Written in GoLang
- Windows, MacOS and Linux clients (x64 en arm64)
- Nothing really obfuscated or encrypted
- So we can find the current C2: 94[.]140[.]115[.]92
- And URI's such as '/client/login' and '/client/get_targets'



qword ptr [rax+18h], 14h rcx, aHttp9414011592 ; "http://94.140.115.92" [rax+30h], rcx qword ptr [rax+48h], 0Dh rcx, aClientLogin ; "/client/login" [rax+40h], rcx qword ptr [rax+58h], 18h rcx, aClientSetAttac ; "/client/set_attack_count" [rax+50h], rcx qword ptr [rax+68h], 13h rcx, aClientGetTarge ; "/client/get_targets" [rax+60h], rcx

DDOSIA CLIENT - REVERSING

- Crypto/AESCipherGCM is being used to encrypt the targets after the "GET /client/get_targets" with AES-GCM
- Sekoia luckily found out how to decrypt this already using dynamic analysis (Source: <u>https://blog.sekoia.io/following-noname05716-ddosia-projects-targets/</u>)

📕 🞑 🗺				
crypto/aes.(*ae voidgolang c rypto_aesptr_a	sCipherGCM) rypto_aes_ aesCipherGCI).Decrypt _ptr_aesCipherGCM_De M_Decrypt proc near	crypt (_p	tr_aes_aesCipherGCM, _slice_uint8, _slice_uint8)
var 8= gword ptr	-8			
rg_0= qword ptr	8			
rg_8= _slice_uin	t8 ptr 101	h		
rg_20= _slice_ui	ints ptr 28	sn		
mp rsp, [r14	+10h]			
be short loc	_4DE778			
				· · · · · · · · · · · · · · · · · · ·
	🔛 🕋 🔛		📕 🛃 🖼	
	sub rs	p, 40h		
	mov [r	sp+40n+var_8], rbp	10C_4DE	778:
	mov r1	2. [r14+20h]	mov	[rsp+arg 8.ptr], rbx
	test r1	2, r12	mov	[rsp+arg_8.len], rcx
	jnz sh	ort loc_4DE7CD	mov	[rsp+arg_8.cap], rdi
	-		mov	[rsp+arg_20.ptr], rsi
			mov	[rsp+arg_20.len], r8
			mov	[rsp+arg_20.cap], r9
			nop	dword ptr [rax+rax+00n]
			mov	rax. [rsp+arg 0] : ptr aes aesCipherAsm
			mov	rbx, [rsp+arg 8.ptr] ; slice uint8
			mov	rcx, [rsp+arg_8.len]
			mov	rdi, [rsp+arg_8.cap]
			mov	<pre>rsi, [rsp+arg_20.ptr] ; _slice_uint8</pre>
			mov	r8, [rsp+arg_20.len]
			mov	r9, [rsp+arg_20.cap]
			Jmp	crypto_aesptr_aesCipnerGCM_Decrypt
		L		

```
Append the User-Hash and the Token
ize_NewString = fmt_Sprintf(2LL, 2LL, v10, &v28);
runtime_stringtoslicebyte(2LL, 2LL, v12, 4LL);
f ( size_NewString <= 32 )
 sizeToRead = OLL:
else
 sizeToRead = size NewString - 32;
f ( sizeToRead > size_NewString )
 sub 465C20(2LL, 2LL, sizeToRead, size NewString);
16 = size NewString - sizeToRead;
 move the ptr to the beginning of the key
tr NewKey = ptr end of NewString - sizeToRead;
/ https://pkg.go.dev/crypto/aes
/ func NewCipher(key []byte) (cipher.Block, error)
/ => The key is passed as a parameter (rcx)
rypto aes NewCipher();
if ( v19 )
return OLL;
/ Tag size : 16
/ Nonce size ± 12
EAD = crypto cipher newGCMWithNonceAndTagSize(16LL, ptr NewKey, v18, 12LL);
if ( v21 )
return OLL:
26[9] = v16;
22 = AEAD->NewGCM();
if ( v26[0] )
if ( v22 > al )
   sub_465BE0(16LL, ptr_NewKey, a1, v22);
if (\sqrt{22} > \sqrt{26}[0])
  sub_465C20(16LL, ptr_NewKey, a1, v26[0]);
// https://go.dev/src/crypto/cipher/gcm.go
// Open(dst, nonce, ciphertext, data []byte)
// => Decrypt the data. IV is passed as a parameter
return AEAD->Open(@LL, v27, v27 + (v22 & ((v22 - a1) >> 63)), @LL);
```

Image Source: Sekoia.io

DDOSIA CLIENT - WIRESHARK

- Client does a POST to '/client/login' on the C2 server, with User-Agent: "Go-httpclient/1.1"
- The Client-Hash is a generated hash of the OS UUID/GUID. They use the "Go MachineID" from GitHub

id)

https://github.com/denisbrodbeck/machine

Frame 90: 541 bytes on wire (4328 bits), 541 bytes captured (4328 bits) on interface tun0, id 0 Raw packet data Internet Protocol Version 4, Src: 10. , Dst: 94.140.115.92 Transmission Control Protocol, Src Port: 59088, Dst Port: 80, Seq: 1, Ack: 1, Len: 489 Avpertext Transfer Protoco POST /client/login HTTP/1.1\r\n Host: 94.140.115.92\r\n Content-Length: 171\r\n Client-Hash: :31470\r\r Content-Type: application/json\r\n User-Hash: \$2a\$16\$4 Nm\r\r Accept-Encoding: gzip\r\n $r\n$ [HTTP request 1/2] File Data: 171 bytes JavaScript Object Notation: application/json 35 2e 39 32 0d 0a 5 5.92 ·· US 2d 68 Co ntent-Le 2e 31 0d 0a 43 6f ngth: 17 PLICALLY n/ison User-Has h: \$2a\$1 w/KloNm· · Accept Encoding : gzip. --{"loca tion":"P

hark · Packet 90 · t

DDOSIA CLIENT - WIRESHARK

- On the right you see the contents of such a uid file (Client-Hash).
- Right behind the machine ID, the PID of the client is appended, in this case 153648.



DDOSIA CLIENT - WIRESHARK

- Also there: Content-Type: 'application/json' and the User-Hash.
- The User-Hash is also unique. This is taken from the 'client_id' file, which has to be in the same folder as the DDoSia Client.
- How to get this unique Client_ID? Through the official DDoSia Telegram bot (@ddosia_bot).
- How you get to this bot? Only through the semi-private DDoSia Telegram group.



DDOSIA BOT





DDOSIA CLIENT – WIRESHARK CONTD.

- So, there has been done a POST to '/client/login' with our unique values. You then get a 'HTTP 200 OK' in return, along with the data and time in Epoch format.
- Finally it does a 'GET /client/get_targets', where the Epoch time value is added to the request. This is neccessary, else you will receive a 'HTTP 401 Unauthorized'.





DDOSIA CLIENT – WIRESHARK CONTD.

- Finally you get the Targets back from the Server, along with a unique Token
- So, the Target data is encrypted by AES-GCM. We can decrypt this thanks to the info on Sekoia's blog

Wireshark - Packet 173 - tun0
Expert Info (Chat/Sequence): HTTP/1.1 200 0K\r\n]
Response Version: HTTP/1.1 Status Code: 200 [Status code: 200 Response Phrase: 0K Access-Control-Allow-Origin: *\r\n Content length: 26691 Content trype: text/plain; charset=utf-8\r\n Date: Wed, GMT\r\n Server: nginx/1.18.0 (Ubuntu)\r\n Vary: Origin\r\n \r\n [HTTP response 2/2] [Time since request: 0 2 seconds] [Prev request in frame: 30] [Prev request in frame: 121] [Request URI: http://92.140.115.92/client/get_targets] File Data: bytes - Linne-based text data: text/plain (1 lines)
[truncated]{"token":1 "YVOHphKbGoUhUOTHCzgVQ8gG9HKW0HSG+0z+b5+6cVe446Jfcdmlo/oFEM6fovG98pWufvnU+ME59m6utEd5thy9ZeDC/807qc370WzxqiZ4fB71UfTcihu1MwuyyowvXKQ5xhWo/3uwVnXn4KUjPb5d0
Gene E - P. Ø. Ø. z - A A Gene

DDOSIA CLIENT – WIRESHARK CONTD.

- If you don't quit the client at this time, it will start the DDoS-attack.
 After the previous step, the client starts up 20 threads simultaneously.
- Then it starts attacking all the targets all together (decrypted from AES-GCM).
- Every 4 minutes the Client does a 'POST /set_attack_count', with the total number of connections and how many were successful.
- New targets are then requested and obtained from the server every 10 minutes. If no connection can be made with the C2 anymore, the client keeps attacking the last known targets.

DDOSIA CLIENT – OVERVIEW

DDoSia Client C2 Server
POST /client/login
HTTP 200 OK epoch timestamp
GET /client/get targets
User-Hash + Client-Hash + Timestamp (epoch)
HTTP 200 OK
Token, AES-GCM encrypted data (randoms & targets)
Decrypt AES- GCM data
Start 20 threads
POST /set_attack_count User-Hash + Client-Hash + Epoch + Target_id's + Total_requests Successful_requests
Start attack
GET /client/get_targets Get new targets. If C2 can't be reached, or no new targets, continue on current targets

Thanks to dynamic analysis of the client by Sekoia

Key Calculation:

- Token value / 5
- Result is added to the User-Hash
- Takes last 32 chars of User-Hash and convert to Hex

IV Calculation:

- Take the ciphertext (targets), decode from Base64 to ASCII
- Take the first 12 chars and convert to bytes

TAG Calculation:

- Take the ciphertext (targets), decode from Base64 to ASCII
- Take the last 16 chars and convert to bytes

Now the targets can be decrypted...

```
// Append the User-Hash and the Token
size NewString = fmt Sprintf(2LL, 2LL, v10, &v28);
runtime stringtoslicebyte(2LL, 2LL, v12, 4LL);
if ( size NewString <= 32 )
sizeToRead = 0LL;
else
sizeToRead = size NewString - 32;
if ( sizeToRead > size NewString )
sub 465C20(2LL, 2LL, sizeToRead, size NewString);
/16 = size NewString - sizeToRead;
// move the ptr to the beginning of the key
>tr_NewKey = ptr_end_of_NewString - sizeToRead;
// https://pkg.go.dev/crypto/aes
// func NewCipher(key []byte) (cipher.Block, error)
// => The key is passed as a parameter (rcx)
crypto aes NewCipher();
if ( v19 )
return 0LL;
// Tag size : 16
// Nonce size : 12
EAD = crypto cipher newGCMWithNonceAndTagSize(16LL, ptr NewKey, v18, 12LL);
if ( v21 )
return 0LL;
(26[9] = v16;
/22 = AEAD->NewGCM();
if ( v26[0] )
 if (v22 > a1)
   sub 465BE0(16LL, ptr_NewKey, a1, v22);
 if (v22 > v26[0])
   sub 465C20(16LL, ptr NewKey, a1, v26[0]);
 // https://go.dev/src/crypto/cipher/gcm.go
 // Open(dst, nonce, ciphertext, data []byte)
 // => Decrypt the data. IV is passed as a parameter
 return AEAD->Open(0LL, v27, v27 + (v22 & ((v22 - a1) >> 63)), 0LL);
```

Image Source: Sekoia.io

- After decryption we get a one-liner with all the target info (see below).

Targets.json - Notepad++	- 0	×
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?		+ 🔻
🔚 client_jd.txt 🔀 📕 Partners.txt 🔀 🔚 help.txt 🕄 🔚 largets_json 🔀		
1 {"randoms":[{"name":"Телефон","id":"62d8286fddcbb37b0c77c87f","digit":true,"upper":false,"hin":11,"max":11}, {"name":"Все символы 6-12","id":"62d8fccfb44b5774ee96ec0a","digit":true,"upper":true,"lower":false,"hin":11,"max":11, {"name":"Все символы 6-12","id":"62d8fccfb44b5774ee96ec0a","digit":true,"upper":true,"lower":false,"hin":11,"max":1	r":true,"mi	in":6,

 Then we can use a JSON beautifier tool to get a better overview, i.e.: <u>https://codebeautify.org/jsonviewer</u>

- After 'beautifying' we get a great overview.
- Targets consist of 2 parts: 'randoms' and 'targets'.
- The 'randoms' part is used for randomizing the requests. This are defined values, such as numbers, min/max integer values and upperor lowercase letters.



"targets": [
"target_id": "644a281974c402c5b2cc1192",
"request_id": "644a28la74c402c5b2cc1193",
"host": "pz.gov.pl",
"ip": "185.41.93.77",
"type": "http",
"method": "POST",
"port": 443,
"use_ssl": true,
"path": "/dt/login/login",
"body": {
"type": "str",
"value": "loginForm=loginForm&loginForm&3Alogin=\$_1&40gmail.com&loginForm&3Ahas&C5&820=\$_1&loginForm&3AloginButton=Zaloguj+si&C4&99&javax.faces.ViewState=7833864021476204279&3A5328956561244476557"
},
"headers": null
},

The 'targets' part indicates the current targets to be DDoS'ed by the client. These have atleast:

- 1. A unique ID (for tracking),
- 2. A type and method (i.e. HTTP POST)
- 3. A target host, IP and port
- 4. A path/URI (i.e. /register or /login)
- 5. The body, with the value type (i.e. String) and value (i.e. "user_email=\$_1", where '\$_1' will be replaced by a random value from the 'randoms' part.
- 6. Timeout in ms (default 1000).
- 7. If it has to wait for a response (True / False).
- 8. Eventual headers to send along with the requests.

DDOSIA CLIENT – STATS & FINANCIAL MOTIVATION

NoName057(16)

Friends! We are with a good update. As promised, we are introducing financial incentives for the leaders of our TOP of the most powerful DDoS fighters .

Prize fund after successful attacks:

For 1-3 places :

- 80 000 rubles for 1st place
- 50 000 rubles for 2nd place
- 20 000 rubles for 3rd place

Payment in cryptocurrency at the rate on the day of payment.

From 4th to 10th places - 50,000 rubles. divided proportionally according to the number of successful attacks.

Image Source: Telegram @NoName

	Stats	
	Doing something 🌾	
	Use the menu at the bottom of the screen 👇	
	Daily top	
	Doing something 😓	
	TOP 10 DDoS'ers by total number of requests since 1) Z.V.E.Z.D.A - 48 101 355 attacks made 2) Grizzly - 19 375 170 attacks made 3) Error 503 - 18 430 328 attacks made 4) Wonderboy - 17 769 882 attacks made 5) Russian_Paradise - 17 485 521 attacks made 6) king_of_aces - 17 117 171 attacks made 8) Cookiepie - 16 220 683 attacks made 9) Pizda_hohlam - 15 601 051 attacks made 10) Bratishkam - 15 581 963 attacks made	
	TOP 10 DDoS'ers by the number of successful requests since 1) Z.V.E.Z.D.A - 4 955 167 attacks made 2) Vladimir Putin - 2 986 401 attacks made 3) Wonderboy - 2 746 602 attacks made 4) Grizzly - 2 743 891 attacks made 5) Russian_Paradise - 2 595 424 attacks made 6) EXCOMMUNICADO - 2 337 616 attacks made 7) king_of_aces - 2 270 238 attacks made 8) Bratishkam - 2 266 701 attacks made 9) Pizda_hohlam - 2 187 723 attacks made 10) Kalashnikov47 - 2 126 457 attacks made	
	My stats: You haven't launched the client yet on 24.08.2023	
🧶	Use the menu at the bottom of the screen 👇	
	Daily top	My stats
	Back	Неір



The time has come, following the ranks and achievements (we wrote about them here) to talk about another **important change** in our volunteer DDoSia Project.

✓ ✓ ✓ We are introducing the world's first electronic currency tied to real actions - dCoin ※ ※ ※

Coins will be awarded to the soldiers of our volunteer army according to their contribution to the attacks (combat merit) and according to their rank (military rank). That is, the higher the volunteer's rank and the more attacks he made, the more dCoin he will be credited.

dCoin can be withdrawn - converted into TONcoin and sent to your crypto wallet.

The dCoin rate at the first stage will be equal to: 1dCoin=1 Russian ruble. But it will change depending on the activity of volunteers (the more efficiently we work, the steeper the rate will be and vice versa). Image Source: Telegram @DDoSia

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- Hacktivism, Targets & Methods
- DDoS Attack Types & Botnets
- Hacktivist Groups, Attacks & Cyberwarfare
- Anonymous Sudan, Killnet & Dark Parliament
- NoName057(16)
- Technical Analysis of DDoSia Client
- Red Cross Rules of Engagement for Hackers
- What can you do?
- Questions



RED CROSS ROE FOR CIVILIAN HACKERS

- Published on October 4th 2023
- A "Genova Code of Cyber-War"
- For civilian hackers involved in conflicts

Some of the rules:

- Do not attack civilian targets
- Comply with these rules even if the enemy doesn't
- Do not conduct any cyber-attack against medical and humanitarian facilities
- Do not threaten violence to spread terror among civilians

Replies from Hacktivist Alliances:

- <u>IT Army of Ukraine</u>: "Make best efforts to follow rules"
- <u>Killnet</u>: initially refused, few days later agreed to abide
- <u>Anonymous</u>: always operates on principles, but will not follow the rules
- <u>Anonymous Sudan</u>: not viable and breaking them for the group's cause is unavoidable



Image Source: Red Cross

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WHAT CAN YOU DO?



- Updating: Keep everything up-to-date!
- Shrink Attack Surface: Disable unused services and ports
- Network Segmentation: So that a DDoS Attack doesn't take down all the components of your network
- Mitigation: Use a Content Distribution Network (CDN) or 'Washing Service' such as NaWas
- Logging: Log all attacks, enable notifications to detect anomalies.
- OSINT & CTI: Monitor these groups and potential upcoming attacks
- Fingerprinting: Make use of ADC's Clearing House and the fingerprint database to detect well-known attacks
- Testing: Participate in ADC's DDoS Test each year to test your resilience

... or else, just wait until your servers will go back up ...

THE END