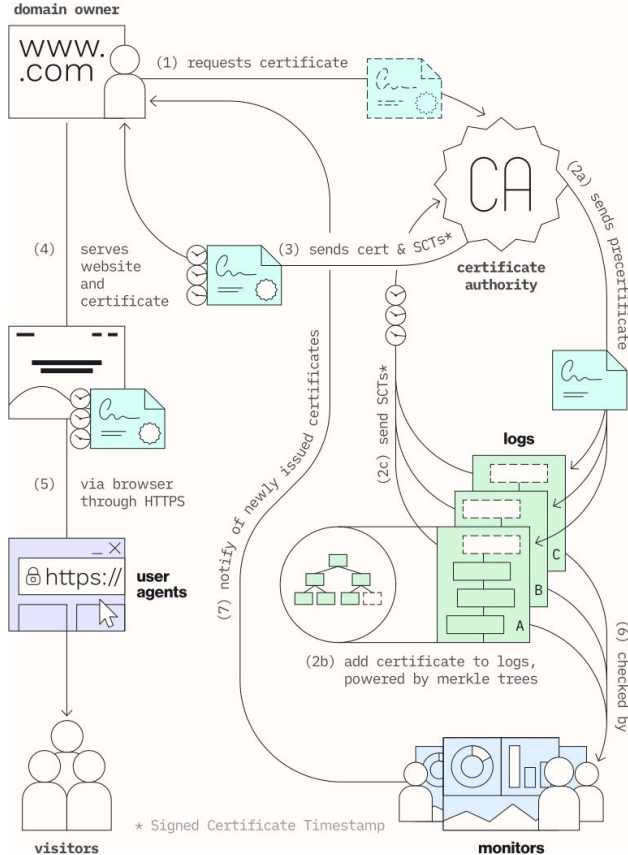


Catching Phish Using Publicly Accessible Information

Certificate Transparency (CT)



```
"data": {
  "cert_index": 203870900,
  "cert_link": "https://nessie2025.ct.digicert.com/log/ct/v1/get-entries?start=203870...",
  "leaf_cert": {
    "all_domains": [
      "*.probioticstore.com",
      "probioticstore.com"
    ],
    "extensions": {
      "authorityInfoAccess": "CA Issuers - URI:http://e5.i.lencr.org/\n0CSP - URI:htt...",
      "authorityKeyIdentifier": "keyid:9F:2B:5F:CF:3C:21:4F:9D:04:B7:ED:2B:2C:C4:C6:7...",
      "basicConstraints": "CA:FALSE",
      "certificatePolicies": "Policy: 2.23.140.1.2.1",
      "ctlPoisonByte": true,
      "extendedKeyUsage": "TLS Web server authentication, TLS Web client authenticati...",
      "keyUsage": "Digital Signature",
      "subjectAltName": "DNS:probioticstore.com, DNS:*.probioticstore.com",
      "subjectKeyIdentifier": "52:56:AE:47:0F:20:B2:86:A8:30:69:02:34:5D:30:98:72:06:9..."
    }
  },
  "fingerprint": "47:D7:FB:E6:96:76:ED:16:61:72:32:F3:BB:7C:D4:49:1E:17:FA:BF",
  "issuer": {
    "C": "US",
    "CN": "E5",
    "L": null,
    "O": "Let's Encrypt",
    "OU": null,
    "ST": null,
    "aggregated": "/C=US/CN=E5/O=Let's Encrypt",
    "emailAddress": null
  },
  "not_after": 1736971131,
  "not_before": 1729195132,
  "serial_number": "4A233CAA975220E618878FFE2C121D18A23",
  "signature_algorithm": "sha384, ecdsa",
  "subject": {
    "C": null,
    "CN": "probioticstore.com",
    "L": null,
    "O": null,
    "OU": null,
    "ST": null,
    "aggregated": "/CN=probioticstore.com",
    "emailAddress": null
  }
}
```

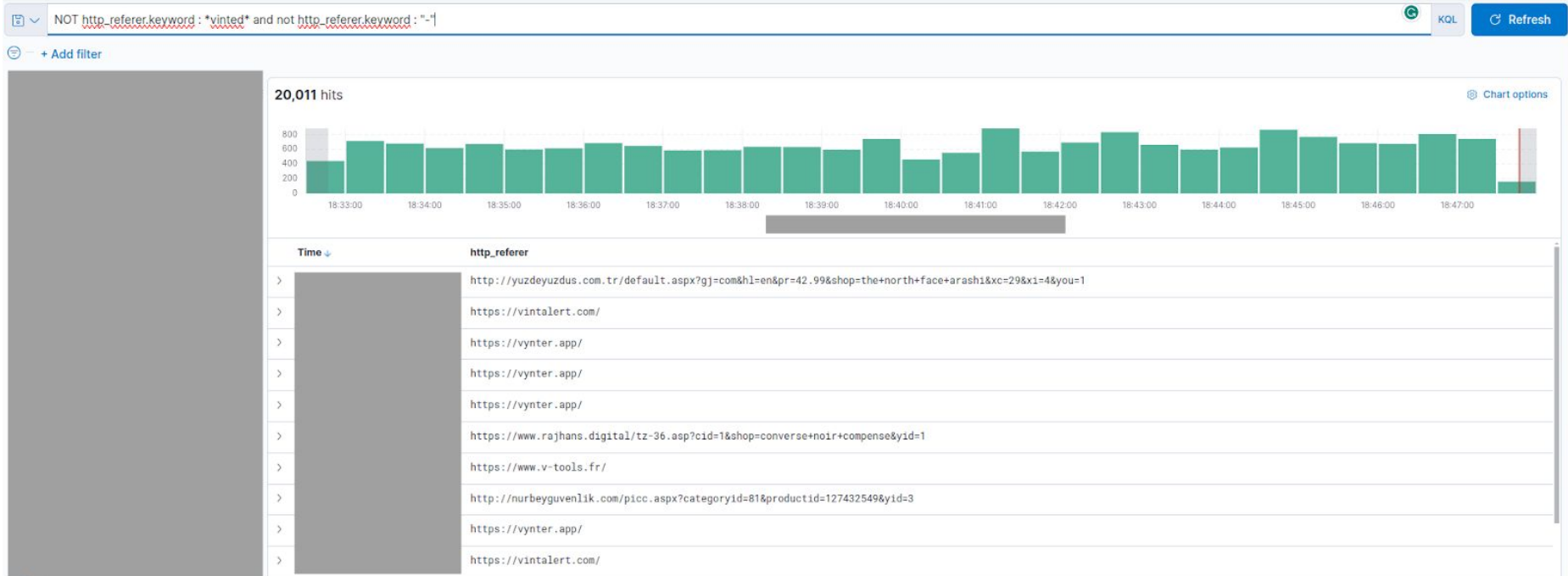
HTTP Referer (1)

The screenshot shows a web browser displaying a Vinted product page for a jacket. The URL is `https://vintedfi.methostableout.eu/957750389633`. The page content includes the Vinted logo, a search bar, navigation links (Nais, Mies, Lapsi, Koti), and a product listing for a jacket (Takki) priced at 5.0 EUR. The seller is Sami Härkönen, and the address is Murolapolku 7 490 59731 Rauhalasalmi. A contact number is also provided: 957750389633.

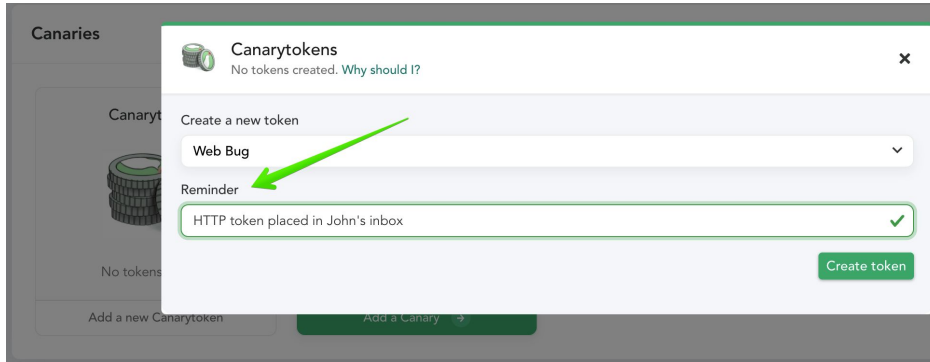
On the right side, the browser's Network Inspector is open, showing a list of network requests. The 'Domain' column is expanded, and the request `images1.vinted.net` is highlighted with a red box. This request is a GET request for an image file, with a status of 200 and a size of 1706533333 bytes.

St...	M...	Domain	File	Initiator	Ty...	Transferr...	St...
404	GET	vintedfi.methostableou...	favicon.ico	Favicon...	ht...	cached	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	763 B	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	759 B	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	765 B	1...
101	GET	vintedfi.methostableou...	957750389633	chat.js:4...	oc...	713 B	0 B
200	GET	vintedfi.methostableou...	957750389633	axios.mi...	json	1.04 kB	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	763 B	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	757 B	1...
404	GET	vintedfi.methostableou...	MaisonNeueW	font	ht...	761 B	1...
200	GET	vintedfi.methostableou...	actions.js	script	js	cached	1...
200	GET	vintedfi.methostableou.eu	icon_next.png	img	png	cached	1...
200	GET	vintedfi.methostableou...	chat.js	script	js	cached	6...
200	GET	vintedfi.methostableou.eu	image.png	img	png	cached	8...
200	GET	vintedfi.methostableou.eu	2032957.png	img	png	cached	1...
200	GET	vintedfi.methostableou.eu	Mastercard-loc	img	svg	cached	6...
200	GET	vintedfi.methostableou.eu	78052.png	img	png	cached	3...
200	GET	vintedfi.methostableou.eu	Maestro_2016	img	svg	cached	6...
200	GET	vintedfi.methostableou.eu	vinted-logo-77	img	png	cached	8...
GET		vintedfi.methostableou.eu	957750389633	chat.js:4...			
200	GET	vintedfi.methostableou...	957750389633	document	ht...	15.11 kB	7...
200	GET	images1.vinted.net	1706533333.jp	img	jpeg	cached	4...
200	GET	fonts.gstatic.com	u-40qWjRw-Pi	font	w...	cached	2...
200	GET	fonts.gstatic.com	u-40qWjRw-Pi	font	w...	cached	2...
200	GET	fonts.gstatic.com	u-40qWjRw-Pi	font	w...	cached	2...
200	GET	cdn.jsdelivr.net	axios.min.js	script	js	cached	4...
200	GET	ajax.googleapis.com	jquery.min.js	script	js	cached	8...

HTTP Referer (2)



Canary Tokens



Canarytoken triggered

ALERT

An HTTP Canarytoken has been triggered by the Source IP [REDACTED]

Basic Details:

Channel	HTTP
Time	[REDACTED]
Canarytoken	[REDACTED]
Token Reminder	About page viewed!
Token Type	web_image
Source IP	[REDACTED]
User Agent	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:63.0) Gecko/20100101 Firefox/63.0

Canarytoken Management Details:

Manage this Canarytoken [here](#)

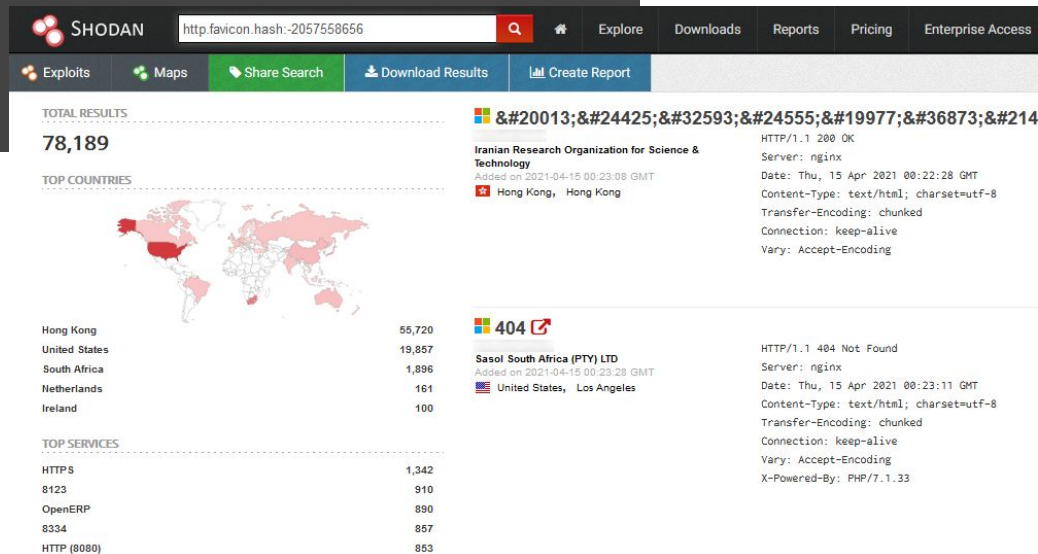
More info on this token [here](#)

MurmurHash3

```
import requests, mmh3, base64

response = requests.get('https://c.s-microsoft.com/favicon.ico')
favicon = base64.encodebytes(response.content)
hash = mmh3.hash(favicon)

print(hash)
```



The screenshot shows the SHODAN search engine interface. The search bar contains the hash `http.favicon.hash-2057558656`. The search results are displayed in a table format, showing the total number of results (78,189) and the top countries (Hong Kong, United States, South Africa, Netherlands, Ireland). The top services are also listed (HTTP8, 8123, OpenERP, 8334, HTTP (8080)).

SHODAN [Exploits](#) [Maps](#) [Share Search](#) [Download Results](#) [Create Report](#) [Explore](#) [Downloads](#) [Reports](#) [Pricing](#) [Enterprise Access](#)

TOTAL RESULTS
78,189

TOP COUNTRIES

Country	Count
Hong Kong	55,720
United States	19,857
South Africa	1,896
Netherlands	161
Ireland	100

TOP SERVICES

Service	Count
HTTP8	1,342
8123	910
OpenERP	890
8334	857
HTTP (8080)	853

Iranian Research Organization for Science & Technology
Added on 2021-04-15 00:23:08 GMT
Hong Kong, Hong Kong

HTTP/1.1 200 OK
Server: nginx
Date: Thu, 15 Apr 2021 00:22:28 GMT
Content-Type: text/html; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Vary: Accept-Encoding

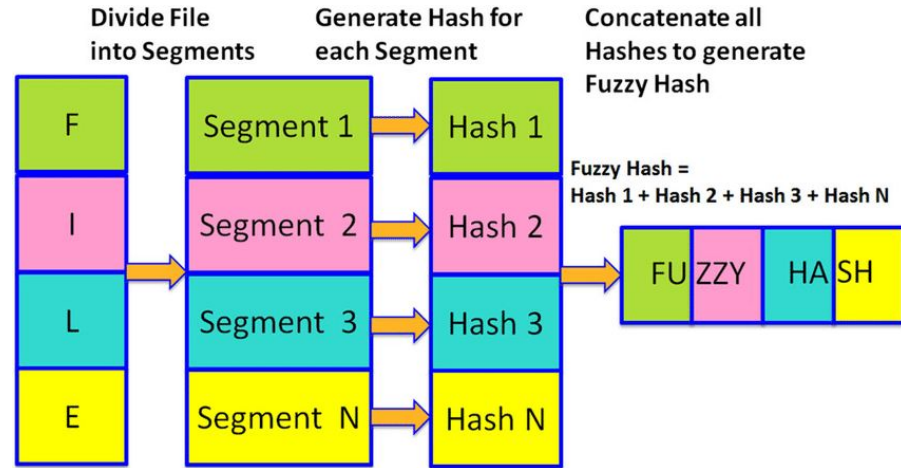
404

Sasol South Africa (PTY) LTD
Added on 2021-04-15 00:23:28 GMT
United States, Los Angeles

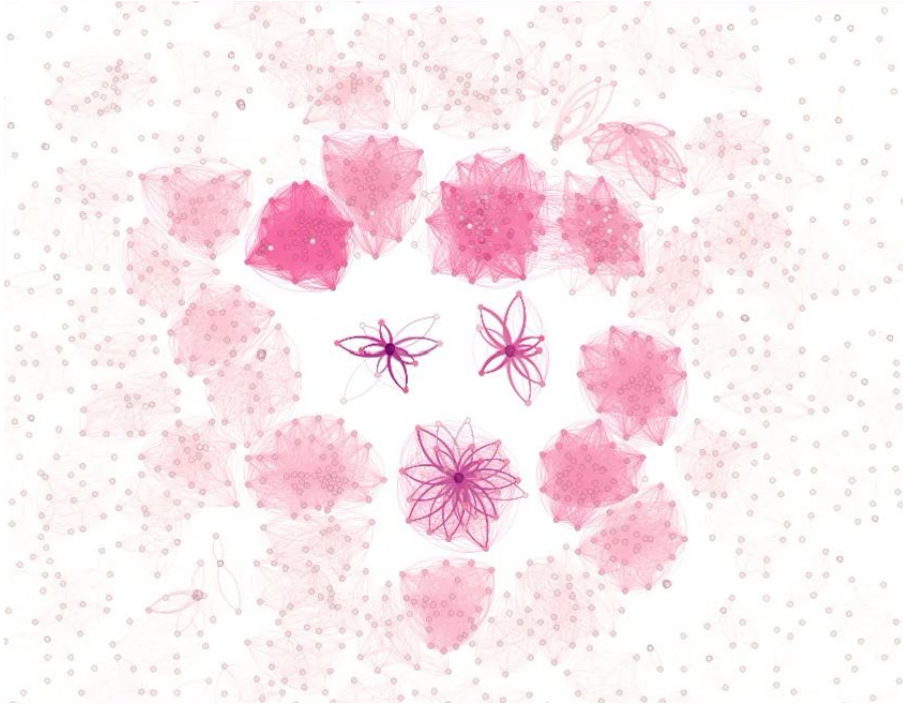
HTTP/1.1 404 Not Found
Server: nginx
Date: Thu, 15 Apr 2021 00:23:11 GMT
Content-Type: text/html; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Vary: Accept-Encoding
X-Powered-By: PHP/7.1.33

Fuzzy Hash

1. Compute a fuzzy hash (ssdeep, TLSH) for the HTML and DOM (Document Object Model)
2. Check if there are similarities between legit and phishing site



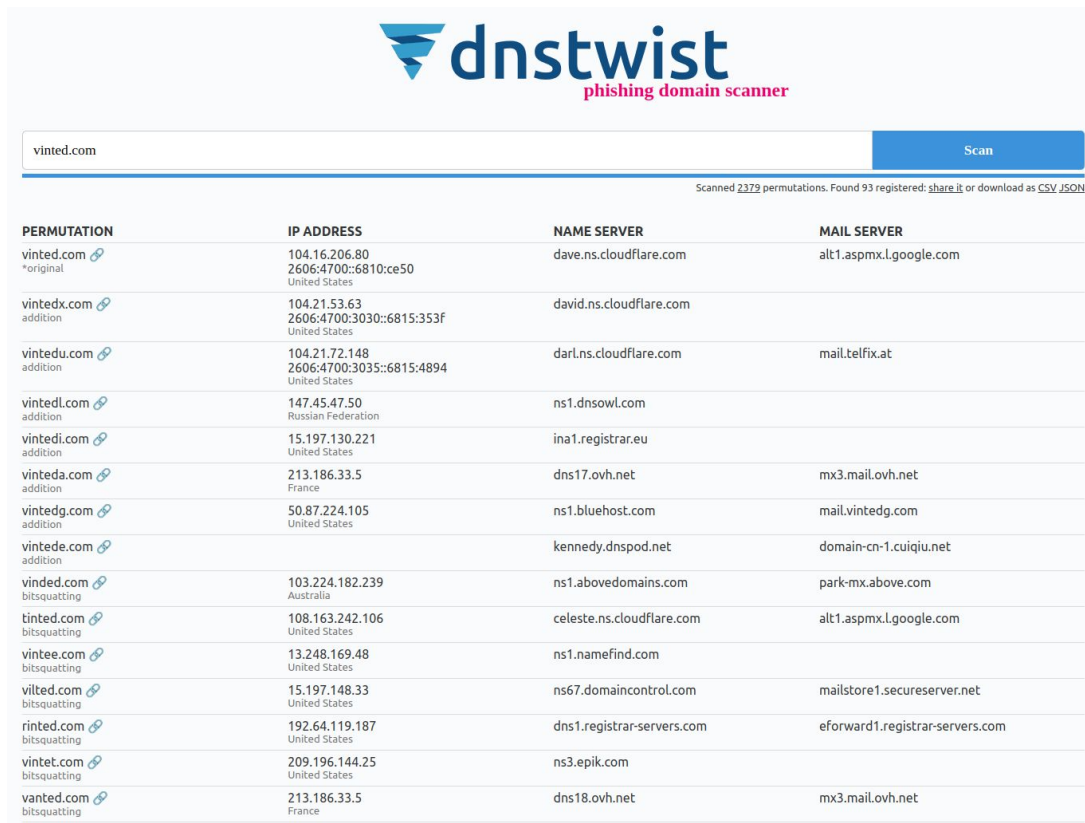
Phishing campaign detection



- Graph DB (neo4j) of ssdeep hashes, URLs, and targeted spoofed brands
- Strongly correlated clusters of nodes represent different phishing campaigns derived from a unique source code hosted on a unique domain

dnstwist

- Bitsquatting
- Homoglyph
- Hyphenation
- Insertion
- Omission
- Addition
- Repetition
- Replacement
- Transposition
- Subdomain
- Vowel swap
- etc.



The screenshot displays the dnstwist phishing domain scanner interface. At the top, the dnstwist logo is shown with the tagline "phishing domain scanner". Below the logo, the domain "vinted.com" is entered in a search box, and a "Scan" button is visible. The results section indicates that 2379 permutations were scanned, with 93 registered domains found. A table lists the following permutations:

PERMUTATION	IP ADDRESS	NAME SERVER	MAIL SERVER
vinted.com *original	104.16.206.80 2606:4700::6810:ce50 United States	dave.ns.cloudflare.com	alt1.aspmx.l.google.com
vintedx.com addition	104.21.53.63 2606:4700:3030::6815:353f United States	david.ns.cloudflare.com	
vintedu.com addition	104.21.72.148 2606:4700:3035::6815:4894 United States	darl.ns.cloudflare.com	mail.telfix.at
vintedl.com addition	147.45.47.50 Russian Federation	ns1.dnsowl.com	
vintedi.com addition	15.197.130.221 United States	ina1.registrar.eu	
vinteda.com addition	213.186.33.5 France	dns17.ovh.net	mx3.mail.ovh.net
vintedg.com addition	50.87.224.105 United States	ns1.bluehost.com	mail.vintedg.com
vintede.com addition		kennedy.dnspod.net	domain-cn-1.cuiqui.net
vinded.com bitsquatting	103.224.182.239 Australia	ns1.abovedomains.com	park-mx.above.com
tinted.com bitsquatting	108.163.242.106 United States	celeste.ns.cloudflare.com	alt1.aspmx.l.google.com
vintee.com bitsquatting	13.248.169.48 United States	ns1.namefind.com	
vilted.com bitsquatting	15.197.148.33 United States	ns67.domaincontrol.com	mailstore1.secureserver.net
rinted.com bitsquatting	192.64.119.187 United States	dns1.registrar-servers.com	eforward1.registrar-servers.com
vintet.com bitsquatting	209.196.144.25 United States	ns3.epik.com	
vanted.com bitsquatting	213.186.33.5 France	dns18.ovh.net	mx3.mail.ovh.net