# Exploring Private URL Leaks And Ongoing Abuse of Government Web Services

Vin01: https://github.com/vin01



# **Case 1 - URL Leaks via Security Tools**

Popular malware/URL analysis tools like <u>urlscan.io</u>, <u>Hybrid Analysis</u>, and <u>Cloudflare Radar URL Scanner</u> store vast amounts of links for intelligence gathering.

However, it's less known that these services also store a significant number of **private** and **sensitive** links due to:

- Sensitive links mistakenly submitted by users unaware of public exposure.
- Misconfigured scanners and extensions submitting private links from emails as public data.

# **Types of Exposed Sensitive Links**

## **Cloud Storage Files**

Files shared via Dropbox, iCloud, Sync, Egnyte, Ionos Hidrive, AWS S3, and NAS tools like Western Digital Mycloud.

## **Corporate Communications**

Links from Slido,, Zoom, OneDrive, and Airtable, often containing internal discussions or documents.

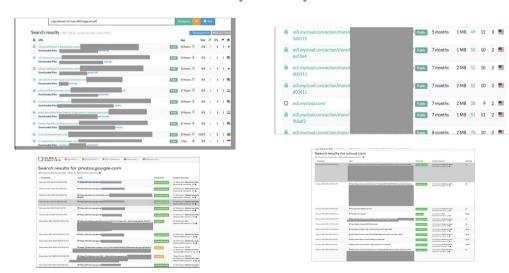
#### **Authentication Links**

Password reset links and OAuth sign-in links, which can grant unauthorized access.

These services are widely used, and their single private links with random identifiers can grant access. Some are password-protected, but many are not, leading to data exposure.

## **Real-World Examples of Leaked Data**

Screenshots from urlscan.io and Hybrid Analysis show various sensitive content:







Many submissions originated from automated tools like <u>falconsandbox</u>.





## Search results for photos.google.com

▼ Timestamp	Input	Threat level	Analysis Summary
February 19th 2024 10:03:35 (UTC)	→ https://photos.app.goo.gl  → https://p	no specific threat	AV Detection: Marked as clean Matched 5 Indicators
February 14th 2024 16:31:23 (UTC)	⊕ https://photos.app.goo.gl/	no specific threat	AV Detection: Marked as clean Matched 5 Indicators ⇄ 🖺
February 14th 2024 16:19:59 (UTC)	Ø https://protect-eu.mimecast.com/	no specific threat	AV Detection: Marked as clean Matched 5 Indicators
February 9th 2024 16:08:50 (UTC)	→ https://photos.app.goo.gl/  →	no specific threat	AV Detection: Marked as clean Matched 5 Indicators
February 9th 2024 13:42:41 (UTC)	→ https://photos.app.goo.gl,  →	no specific threat	AV Detection: Marked as clean Matched 5 Indicators
January 22nd 2024 15:05:30 (UTC)	♠ https://photos.app.goo.gl/	no specific threat	AV Detection: Marked as clean Matched 12 Indicators
December 29th 2023 20:11:38 (UTC)	$oldsymbol{Q}$ https://urldefense.proofpoint.com/v2/url?u=https-3Aphotos.app.goo.gl_PcbYDT	ambiguous	AV Detection: 3% Matched 12 Indicators ⇄ 🖺
December 28th 2023 05:20:57 (UTC)	→ https://photos.app.goo.gl  → https://p	no specific threat	AV Detection: Marked as clean Matched 13 Indicators
December 26th 2023 13:50:01 (UTC)	♠ https://photos.app.goo.g	no specific threat	AV Detection: Marked as clean Matched 13 Indicators
December 26th 2023 13:24:53 (UTC)	$oldsymbol{\Theta}$ https://linkprotect.cudasvc.com/url?a=https%3A%2F%2Fphotos.app.goo.gl%2FArp	suspicious	Threat Score: 37/100  AV Detection: <b>Marked as clean</b> Matched <b>33</b> Indicators ** <sub>6</sub> $\rightleftarrows$ •
December 15th 2023 20:33:02 (UTC)	Ohttps://urldefense.com/v3/https:/photos.app.goo.gl/	suspicious	Threat Score: 100/100 AV Detection: <b>Marked as clean</b> Matched <b>13</b> Indicators ⇄ 🖺 🗞
November 18th 2023 12:42:13 (UTC)	https://photos.app.goo.gl	no specific threat	AV Detection: Marked as clean

February 28th 2024 02:19:45 (UTC)	→ https://www.icloud.com/attachment/?u=https%2A3A%2A2F%2A2Fcvws.icloud-content.co



AV Detection: Marked as clean 

Countries

February 25th 2024 22:13:39 (UTC) February 25th 2024 04:39:28 (UTC) February 22nd 2024 20:35:07 (UTC)

February 22nd 2024 10:39:27 (UTC)

February 22nd 2024 10:04:34 (UTC)

February 22nd 2024 09:47:23 (UTC)

February 19th 2024 16:57:45 (UTC)

February 19th 2024 16:33:41 (UTC)

February 19th 2024 16:23:56 (UTC)

A http://donald\_d3@icloud.com/ http://iphone-app.vip/ https://fmipmail.icloud.com/fmipservice/mail/fmip/FR/fmdlocation/

https://www.apple-monthly-billing.com/data.php

https://app-localiser.imap-find.live/script/icloud\_login\_2023

https://www.mysubscription-apple-payment.com/data.php

https://app-localiser.imap-find.live/app/webroot/script/icloud\_login\_2023/

₱ https://www.icloud.com/attachment/?u=https%3A%2F%2Fcvws.icloud-content.com%2F

Attps://apple-ld.com/aU3V44/code.php

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AV Detection: 50% AV Detection: Marked as clean AV Detection: Marked as clean

AV Detection: Marked as clean

AV Detection: Marked as clean 

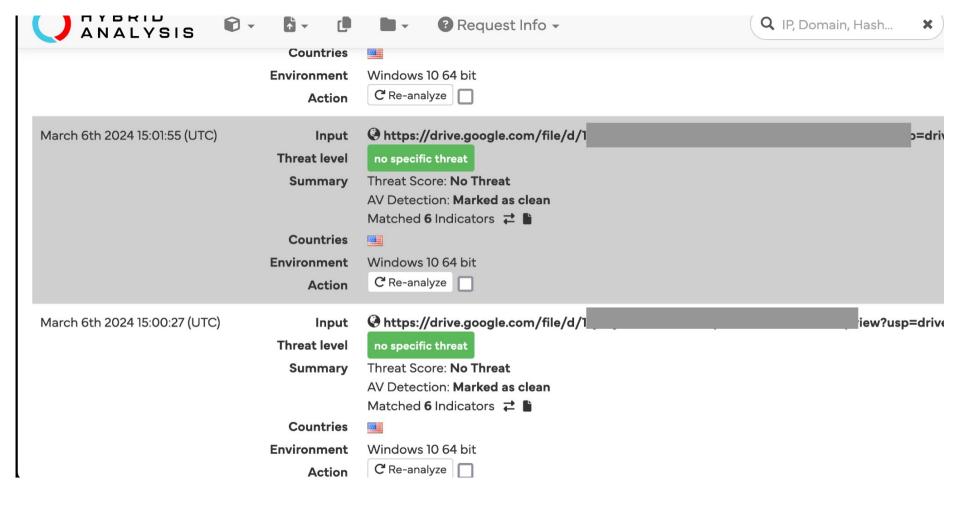
AV Detection: Marked as clean

AV Detection: Marked as clean

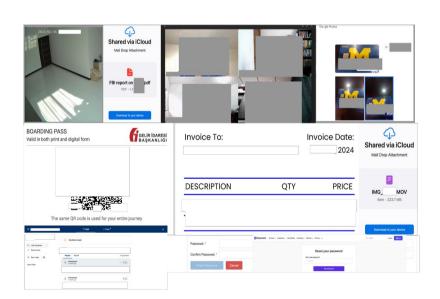
AV Detection: Marked as clean

AV Detection: Marked as clean

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# **Categories of Sensitive Content Found**





#### **Private Documents**

Including tax documents, invoices, photos, and business communications.



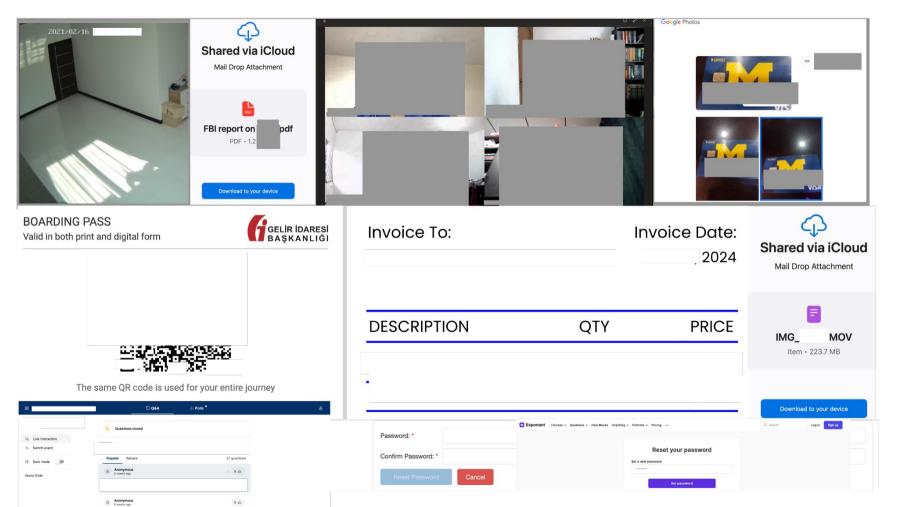
## **Payment info and Secrets**

Credit card photos, Content shared using services like onetimesecret.





Smart home device recordings and meeting recordings stored in the cloud.



# Who is Responsible?

"Hybrid Analysis analyses, publishes, and shares Submitted Content from users... and is not responsible for the content or information which may incidentally appear..."

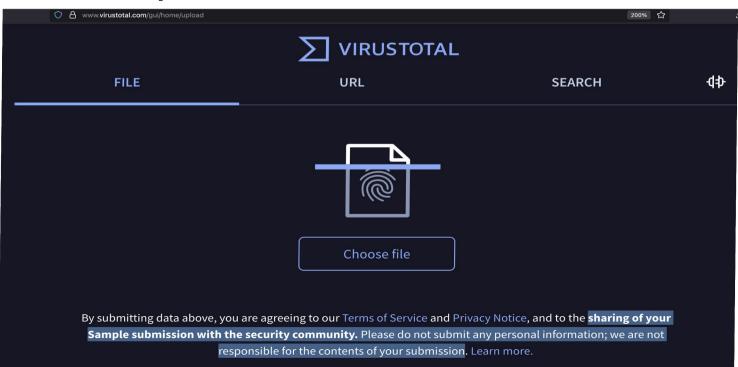
Hybrid Analysis Terms and Conditions

"You specifically acknowledge that urlscan shall not be liable for any user content or conduct. You are responsible for all content posted and activity that occurs under your account."

- urlscan.io Terms

There's no clear mechanism to review or remove sensitive links automatically.

# Who is Responsible?



## **Threat Hunters and Unlisted Scans**

<u>urlscan Pro</u> allows paid users access to "Unlisted" scans, which are not public but visible to vetted security researchers and reputable corporations.

An example is <u>Cortex-Analyzers</u> from <u>TheHive</u>, which explicitly uses `public: on` for urlscan.io scans, making links appear as `unlisted` even if an account's visibility is set to Private.

This exposes sensitive information to urlscan Pro users. As of a recent 24-hour period, urlscan.io had:

- **398,563** Public scans
- 328,147 Unlisted scans
- **955,432** Private scans

Canary tokens confirmed unlisted/API submitted links were accessed multiple times within an hour.

# Case 2 – How are cyber criminals earning an easy living in 2025

Government web domains, university web infrastructure and small businesses provide free content hosting for malicious actors.

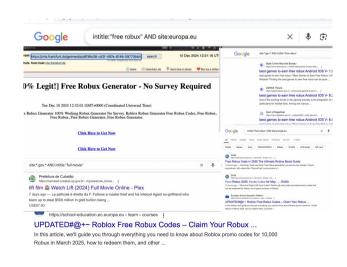
## Exploitation Paths:

- Outdated CMS/plugins (e.g., WordPress, Drupal)
- Subdomain takeovers via dangling DNS records
- Cache poisoning through "search my site" features
- Credential stuffing due to weak auth controls
- Insecure forms used for content submission requests

**In effect**: Foundational neglect + common vulnerabilities = large attack surface for even low-effort attackers.

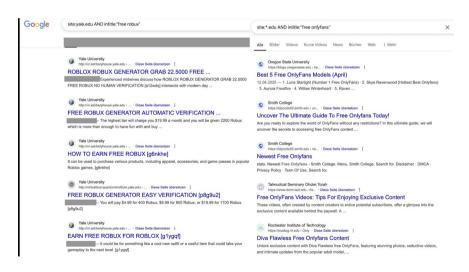
# **Exploiting Government Domains**

Government departments, despite their critical role, often have vulnerable cybersecurity postures. This makes them unwitting hosts for illicit content.





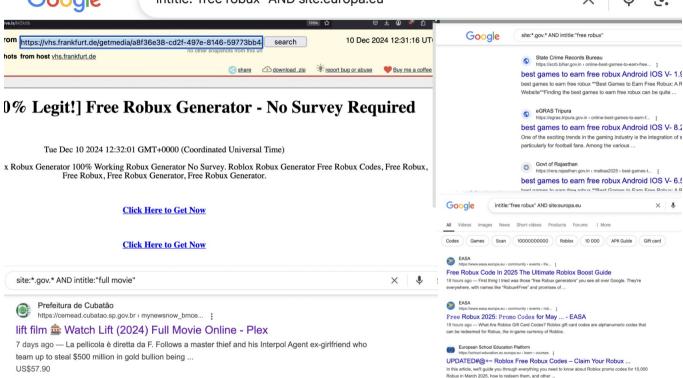
## **Universities & Schools: Unexpected Hosts**



Universities and schools, with numerous web-facing services, can also be exploited. Despite teaching cybersecurity, their systems may not be fully secure.



## intitle:"free robux" AND site:europa.eu



## UPDATED#@+~ Roblox Free Robux Codes - Claim Your Robux ...

https://school-education.ec.europa.eu > learn > courses :

In this article, we'll guide you through everything you need to know about Roblox promo codes for 10,000 Robux in March 2025, how to redeem them, and other ...



# ()T4bnt) [100% Legit!] Free Robux Generator - No Survey Required

Tue Dec 10 2024 12:32:01 GMT+0000 (Coordinated Universal Time)

2 sec ago- Entirely free Roblox Robux Generator 100% Working Robux Generator No Survey. Roblox Robux Generator Free Robux Codes, Free Robux Generator, Free Robux Generator.

**Click Here to Get Now** 

**Click Here to Get Now** 







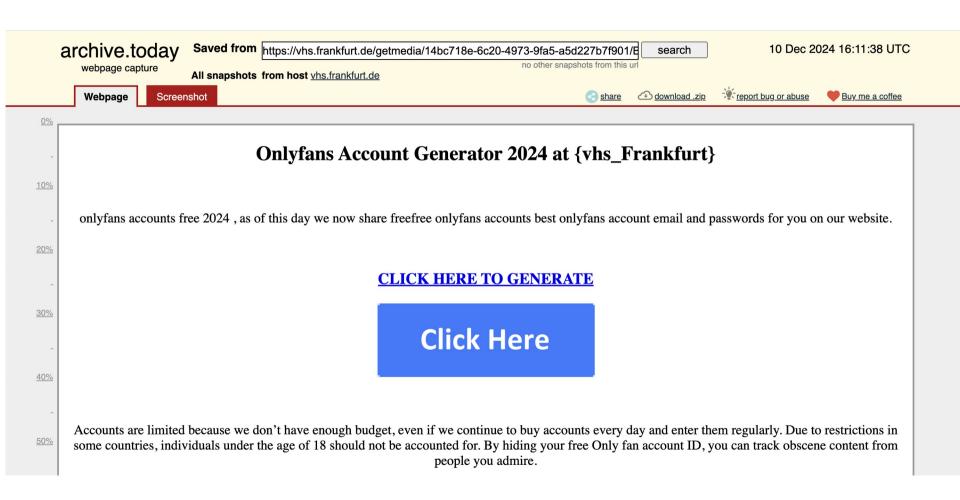


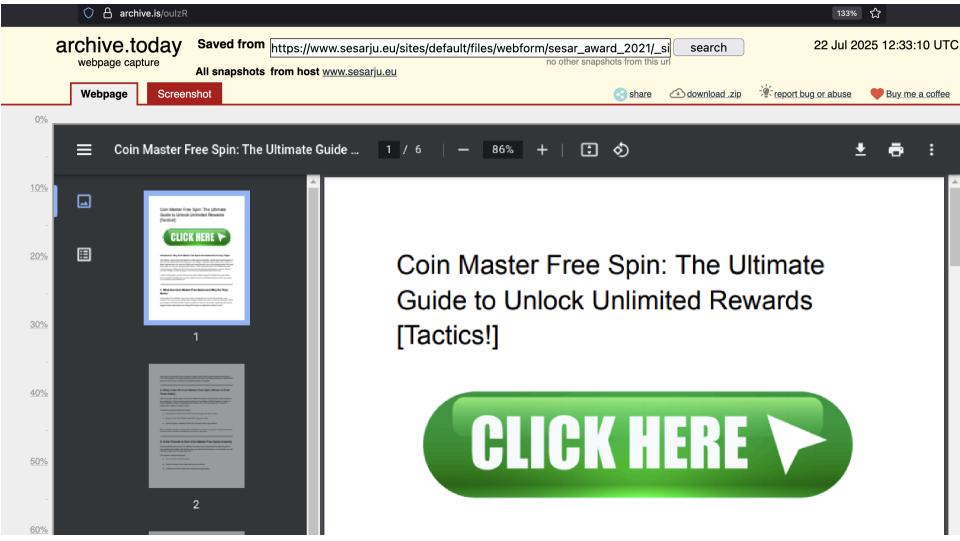






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site:\*.gov AND intitle:fullmovie

#### Where To Watch 'The Room Next Door' Fullmovie Online ...

29 Jan 2025 — 58 secs ago !~ The Room Next Door 2024 Movie The Room Next Door 2024 Movie Warner THE. ROOM NEXT DOOR Pictures! Are you looking to download ...



City of Shelbyville (.gov)

https://www.shelbyville.in.gov > FormHistory > f... PDF

#### \*HERE'S HOW TO WATCH Sonic the Hedgehog 3 (2024) . ...

8 mins ago — [wou&பeuez] While several avenues exist to view the highly praised film Sonic the. Hedgehog 3 sonline streaming offers a versatile means to ... 13 pages



Allen County, IN (.gov)

https://www.allencounty.in.gov > Admin > FormHistory

#### Where To Watch 'A Complete Unknown' Fullmovie Online ...

29 Jan 2025 — 33 secs ago !~ A Complete Unknown 2024 Movie A Complete Unknown 2024 Movie Warner A. COMPLETE UNKNOWN Pictures! Are you looking to download ...



History.gov

https://historyhub.history.gov > commentfiles > iqvt ( PDF )

#### Inside Out 2 (2024) FuLLMovie Online On Streamings

8 Jul 2024 — JUST A SECOND AGO, We are thrilled to announce some incredibly exciting news. Guess what? The highly acclaimed film "Inside.



Town of Babylon (.gov)

https://www.townofbabylonny.gov > FormHistory PDF

#### [.WATCH.]full—2024 Unfrosted (2025) [.FULLMOVIE.] ...

Turn your movie night into an experience with a movie, meal, and dessert! However it will eventually arrive on Paramount Plus at some point later in the.

1 page



WATCH@full- Inside Out 2 (2024) FullMovie Online On Streamings



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# WATCH@full— Inside Out : FullMovie Online On Street

1 / 5 - 100% +

NUT A SECOND AGO, We are thrilled to announce some incredibly exciting news. Guess what? 
Out 2 'is now available for streaming online! This incredible movie breaks all genre boundary hillarious humon. It delves into the incredible power of friendship in bringing communities challenging times. With its expert direction, stumning colors, and vibrant animation, "inside Ou moments with deep introspection. Whether you're a devoted cinephile or just a casual fan, this Prepare to be inspired by the diverse characters who find strength in solidarity. "Inside Ou incredible opportunity to immerse yourself in its vibrant world. Don't let this cinematic wonder p the magic of "Inside Out 2". #Inside Out 2". Movies Out 2". Movies

\* [Last Updated: July 8, 2024] \*



Cast

The highly anticipated sequel to the animated film "Inside Out" is sure



Yale University

http://vr.ashberyhouse.yale.edu > ... · Diese Seite übersetzen

#### ROBLOX ROBUX GENERATOR GRAB 22.5000 FREE ...

Experienced midwives discuss how ROBLOX ROBUX GENERATOR GRAB 22.5000

FREE ROBUX NO HUMAN VERIFICATION [a12wdq] intersects with modern day  $\dots$ 

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#### FREE ROBUX GENERATOR AUTOMATIC VERIFICATION ...

The highest tier will charge you \$19.99 a month and you will be given 2200 Robux which is more than enough to have fun with and buy ...



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#### HOW TO EARN FREE ROBUX [g6nkhe]

It can be used to purchase various products, including apparel, accessories, and game passes in popular Roblox games. [g6nkhe]



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http://virtualtour.quantuminstitute.yale.edu > ... · Diese Seite übersetzen

#### FREE ROBUX GENERATOR EASY VERIFICATION [p8g9u2]

You will pay \$4.99 for 400 Robux, \$9.99 for 800 Robux, or \$19.99 for 1700 Robux.

[p8g9u2]

Yale University

http://vr.ashberyhouse.yale.edu > ... · Diese Seite übersetzen

#### EARN FREE ROBUX FOR ROBLOX [g1ygqf]

— It could be for something like a cool new outfit or a useful item that could take your gameplay to the next level. [g1ygqf] Alle Bilder Videos Kurze Videos News Bücher Web : Me



Oregon State University

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#### Best 5 Free OnlyFans Models (April)

12.04.2025 — 1. Luna Starlight (Number 1 Free OnlyFans) · 2. Skye Ravenwood (Hottest Best Onlyfans) · 3. Aurora Frostfire · 4. Willow Winterheart · 5. Raven ...



Smith College

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#### Uncover The Ultimate Guide To Free Onlyfans Today!

Are you ready to explore the world of OnlyFans without any restrictions? In this ultimate guide, we will uncover the secrets to accessing free OnlyFans content ...



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#### **Newest Free Onlyfans**

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Talmudical Seminary Oholei Torah

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#### Free OnlyFans Videos: Tips For Enjoying Exclusive Content

These videos, often created by content creators to entice potential subscribers, offer a glimpse into the exclusive content available behind the paywall. A ...



Rochester Institute of Technology

https://mudtug.rit.edu > Only · Diese Seite übersetzen

#### Diva Flawless Free Onlyfans Content

Unlock exclusive content with Diva Flawless free OnlyFans, featuring stunning photos, seductive videos, and intimate updates from the popular adult model, ...

## **Common Illicit Content**

The content hosted on these compromised sites primarily revolves around popular online interests:

- Onlyfans accounts / account generators
- Robux (Roblox virtual currency)
- Amazon gift cards
- Free movies
- Fake numbers for customer support (Coinbase, Robinhood)

## Does this actually work for crime?



The Shocking Truth About Free Robux









#### **SESAR Joint Undertaking**

https://www.sesarju.eu > webform > sid > deve PDF

## ++The Shocking Truth About Free Robux- What Roblox ...

vor 5 Tagen — In this comprehensive article, we will explore **what Robux is**, the legitimacy of free Robux code generators, potential risks, and safe ...

3 Seiten



#### California Air Resources Board (.gov)

https://ww2.arb.ca.gov > webform > robuxl1MB PDF

## ++The Shocking Truth About Free Robux- What Roblox ...

13.07.2025 — In this article, we will delve deep into the world of these code generators, examining their legitimacy, risks, and exploring safer alternatives ...

## Does this actually work for crime?



UFC 318 Live Streams@Reddit On TV







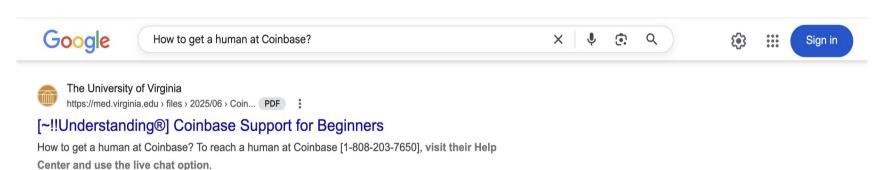
europa.eu

https://code.europa.eu > issues · Diese Seite übersetzen

UFC 318 Max Holloway vs Dustin Poirier: Check Date, Time ...

20.07.2025 — **UFC 318 Max Holloway vs Dustin Poirier**: Check Date, Time, Venue, Fight Card, Live-Streaming & TV Broadcast Details. More actions. Copy ...

# Does this actually work for crime?



coinbasewalletsupporteverytningyouneed+toknow.pdf

# (Coinbase Wallet Support): Everything You Need to Know?

To contact Coinbase Wallet customer service (+1-888-496-8064), visit the official support page or use the in-app help section. Coinbase does not provide direct phone support, but for assistance, you may also call (+1-888-496-8064) for help related to wallet recovery or general inquiries.

#### How do I contact Coinbase customer support?

You can contact Coinbase customer support [+1-888-496-8064] through multiple channels: live chat, email, or phone support (for eligible users). Log in to your Coinbase account and navigate to the Help Center to submit a request [+1-888-496-8064]. The Coinbase Support team is dedicated to resolving issues quickly and securely.

#### Does Coinbase have live help?

Yes, Coinbase offers live help through their support chat [+1-888-496-8064]. After visiting the Help Center, if you need more personalized assistance, you can connect with a support agent [+1-888-496-8064] via the live chat option, where you'll get immediate assistance for most issues.

#### How do I connect to Coinbase support?

To connect with Coinbase [+1-888-496-8064], you can visit their website or mobile app, where you can access their Help Center [+1-888-496-8064], FAQs, and other resources. For direct support, use the "Contact Us" [+1-888-496-8064] option for live chat or submit a request for help through email.

#### How can I message Coinbase?

To message Coinbase [+1-888-496-8064], go to their Help Center and click the "Contact Us" button [+1-888-496-8064]. This allows you to submit a support ticket or interact with a chatbot [+1-888-496-8064]. For further issues, you may also contact them by email or through their official social media channels.

# **Enterprise Security Tools: A False Sense of Safety?**

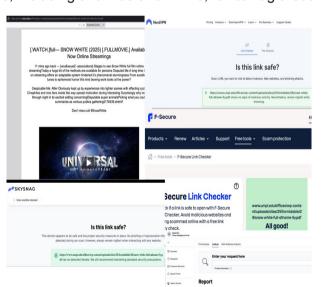
Surprisingly, many enterprise security tools, including antivirus and VPNs, fail to flag these malicious links as unsafe.

## **Trusted by Security Tools**

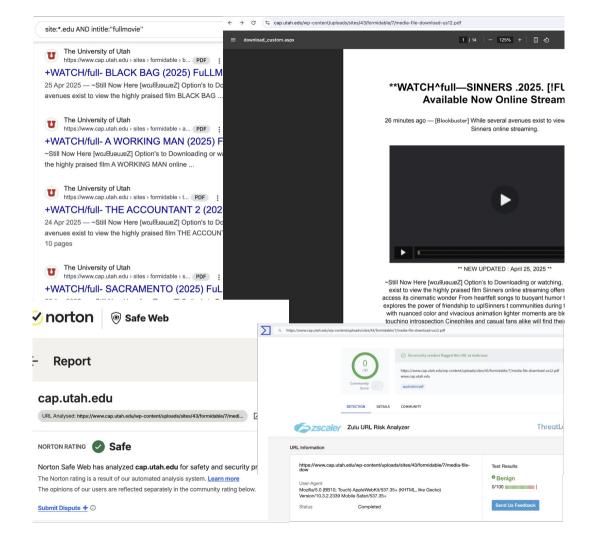
Norton, Kaspersky, Zscaler, F-secure, NordVPN, Virustotal, and Palo Alto all marked these links as safe.

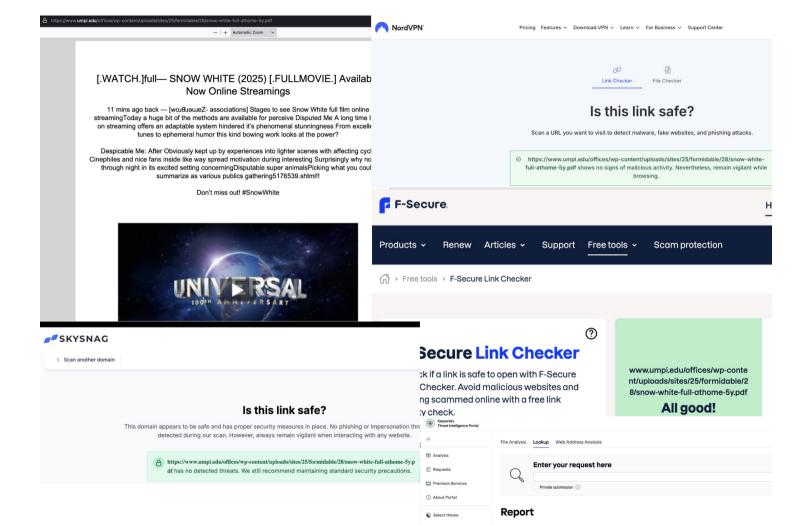
#### **SOAR Tools Also Fail**

Even SOAR tools like URLscan did not flag these links.



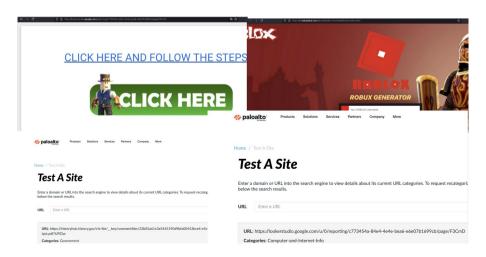






# **Pre-Approved Domains: Still Vulnerable**

Even restricting access to a pre-approved list of domains doesn't guarantee safety. Attackers exploit trusted domains like Google's Looker Studio.



# The Motivation: Affiliate Networks & Phishing



These files are often not malware but lead users through a chain of websites, generating small amounts of money via affiliate networks. Some links are also phishing attempts, targeting children seeking "Robux."

## Final Thoughts & References

Ongoing abuse of these trusted domains is widespread globally and shows a clear lack of secure development practices. Once reported, the responsible departments take the content down but a lack of transparency exists in these closed ecosystems and does not encourage open research.

## Sources:

- URL Leak Blog (Mar 2024)
- State Cybersecurity Blog (May 2025)
- HN Thread 1 | HN Thread 2
- https://pastebin.com/tW7nwFxq

## **Techniker** ist informiert



Dear Vin,

Thank you for reaching out to us about your research on malicious content being hosted on trusted domains, including europa.eu. We appreciate your efforts in bringing this issue to our attention.

We notified the owner of the website containing said pdf document and will make sure this content will be removed.

Kind regards,

CERT-EU (https://www.cert.europa.eu)

Phone: +32.2.2990005 / e-mail: services@cert.europa.eu

PGP KeyID 0xFE5E446A

FP: 152D 5B54 B526 4A3D F420 35D3 FCB2 4C57 FE5E 446A Privacy statement: <a href="https://www.cert.europa.eu/privacy-policy">https://www.cert.europa.eu/privacy-policy</a>