# Sun City Computer Club

Cyber Security SIG

August 17, 2023

**Questions, Comments, Suggestions welcomed at any time**

**Even Now**

- Audio recording of this session as MP4 file
- Audio recording available at link shown above

## Audio Recording In Progress

**SIG attendees are required to be members of the chartered club sponsoring that SIG.**
**Sun City Community Association By-law**

- This presentation is LONG

  feel free to view the remainder on Vimeo
- Apple Users Group September 7 9:00am

  Retreat Parking
- New SIGs

  Gaming

  Scams and Computer Security

- Black Hat 2023 August 5-10
- Defcon August 10-13
- Cyber attack U.K Electoral Commission
  40 million
  August 2021 Detected October 2022
  Disclosed August 2023
- Colorado public school students 2004-2020
  Investigations, BUT no meaningful privacy laws
  $375M - Identity theft enrollments
- Black Hat keynote Ukraine & Us Cyber chiefs
- CISA investigation Cloud Security
  Microsoft Azure Master Keys Vulnerability
  Microsoft hosted government email access
- Gilgo Beach murder case – forensics
  Cellular data financial data

# Current Issues

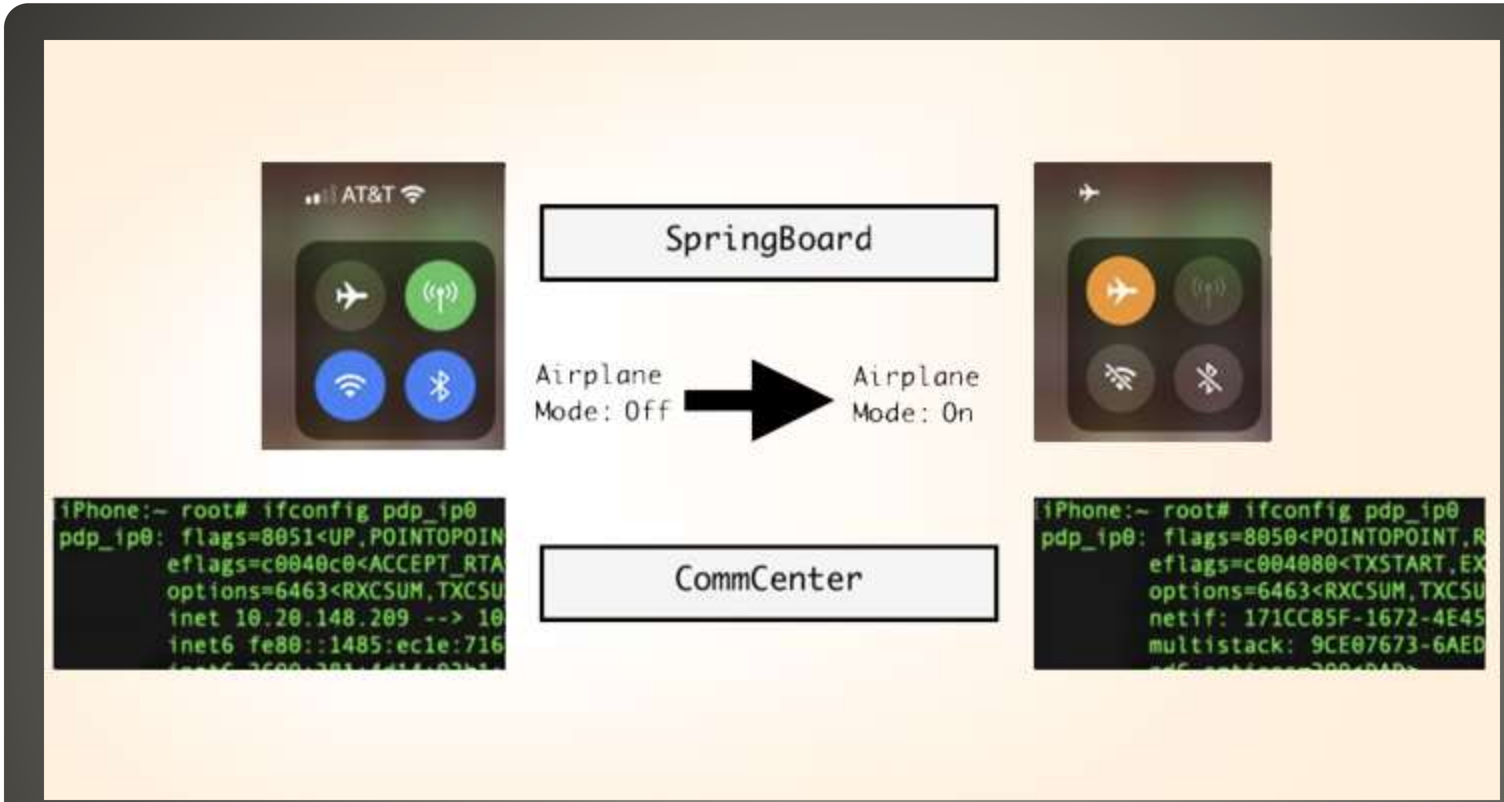
- TunnelCrack – most VPNs leak
- Black Hat FBI talk  DDoS networks
- Keyboards have memory, smarts, history, noise
- Vulnerabilities in casino card shufflers
- Prospect Medical Holdings attribution
- China hacked Japan sensitive defense networks (how did we know?)
- DEFCON hack the Sphere, several neon signs
- Rickroll
- NYT  Recreate song with brain waves
- Discord.io data breach
- Google Maps  Swipe Up  Not Tap

# Current Issues

- “understand and quickly find key points”
- “Generative AI is experimental. Quality and availability may vary.”
- “Abridgments and condensations of copyrighted material can be illegal as infringing derivatives if they supplant demand for the original,”

## Google Search Generative Experience

# iOS 16 Fake Airplane Mode



SpringBoard

Airplane Mode: Off → Airplane Mode: On

CommCenter

```
iPhone:~ root# ifconfig pdp_ip0
pdp_ip0: flags=8051<UP,POINTOPOIN
         eflags=c0040c0<ACCEPT_RTA
         options=6463<RXCSUM,TXCSU
          inet 10.20.148.209 --> 10
          inet6 fe80::1485:ec1e:716
```

```
iPhone:~ root# ifconfig pdp_ip0
pdp_ip0: flags=8050<POINTOPOINT,R
         eflags=c004080<TXSTART,EX
         options=6463<RXCSUM,TXCSU
         netif: 171CC85F-1672-4E45
         multistack: 9CE07673-6AED
```

- For persistence
- Cuts access except for attacker

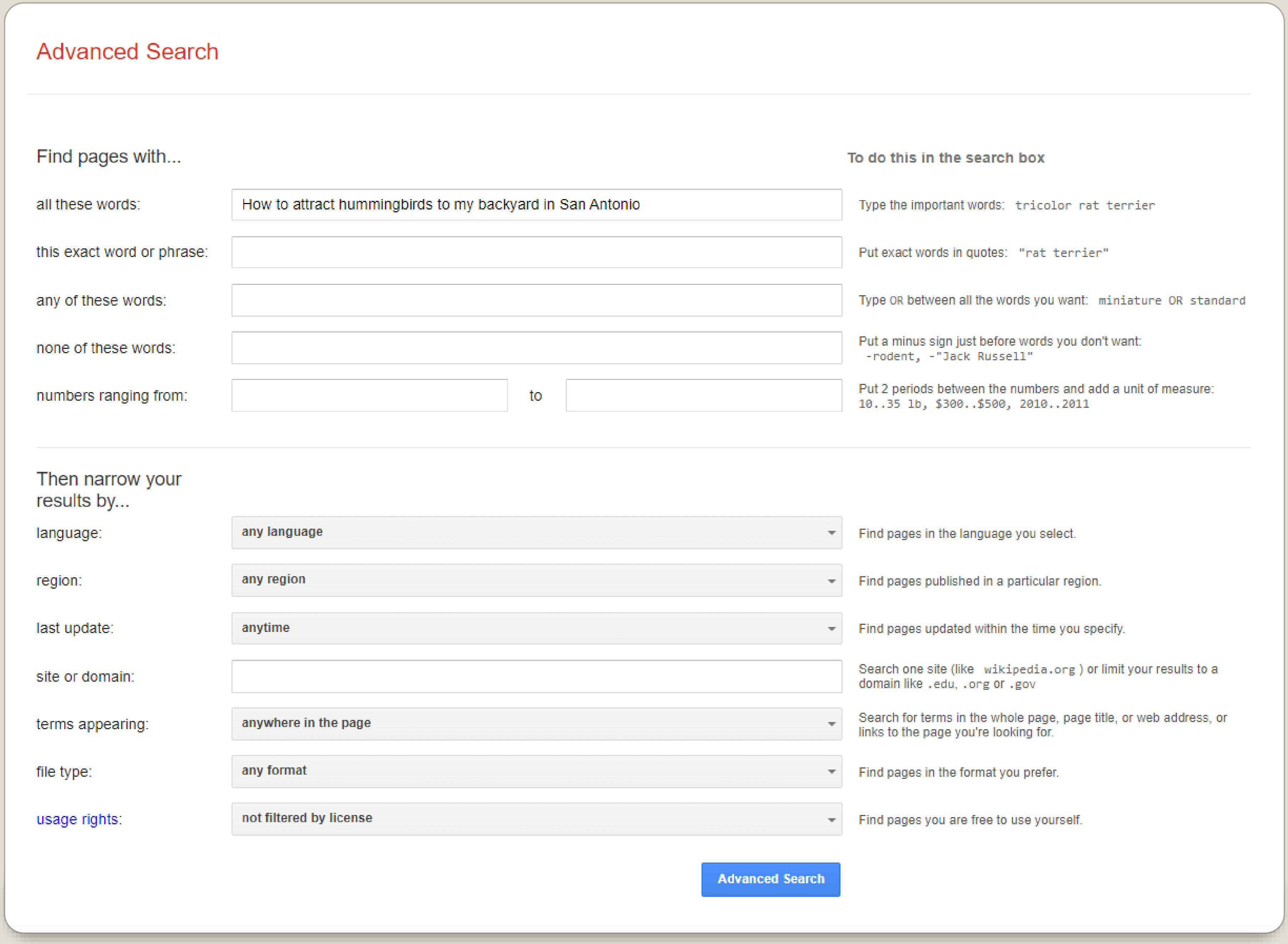
# Google Chrome Updates

- 116.0.5845.97
- Google Password Manager

  New Look

  Across apps

  Check password safety



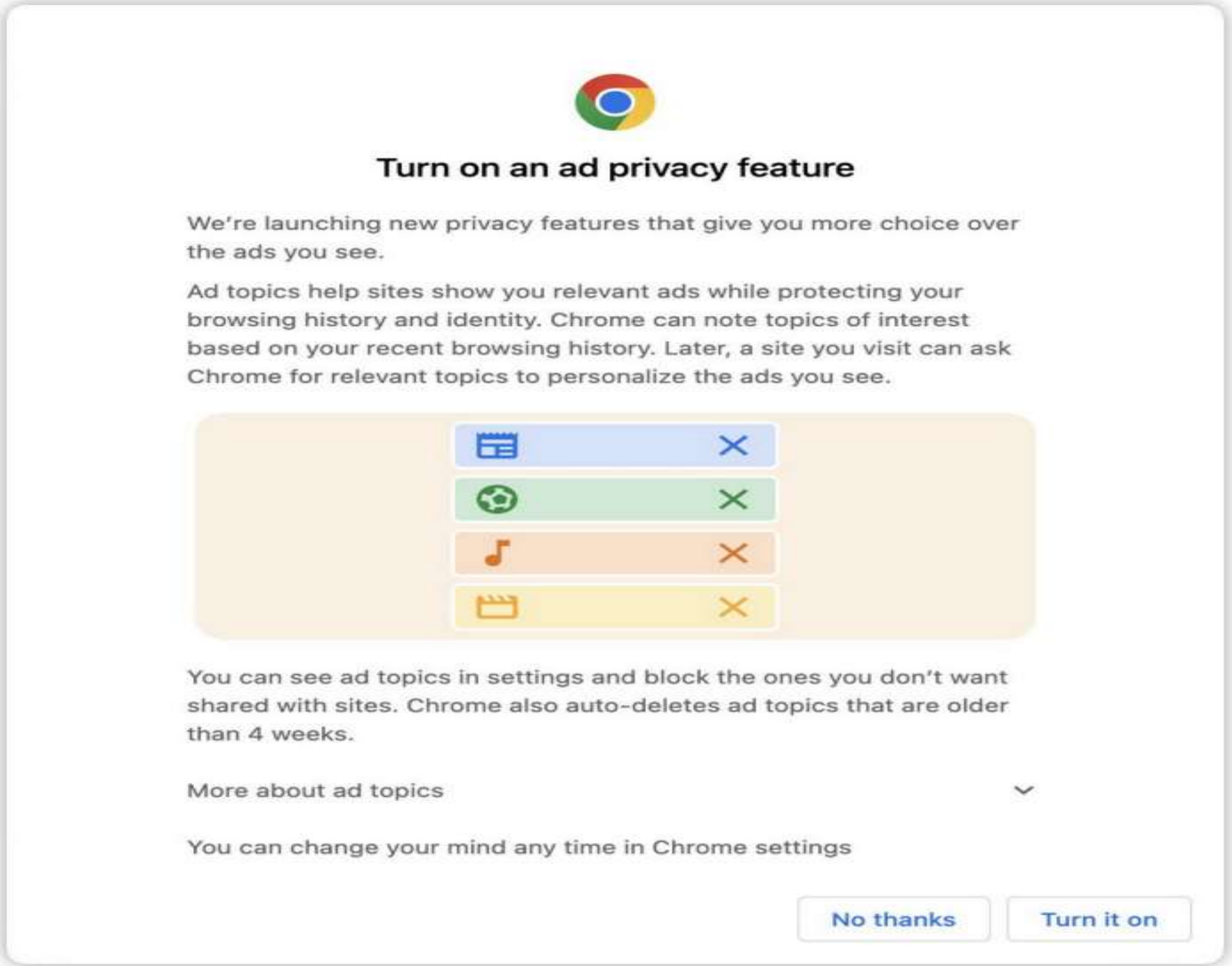
## Advanced Search

**Find pages with...** | **To do this in the search box**

| | | |
|---|---|---|
| all these words: | How to attract hummingbirds to my backyard in San Antonio | Type the important words: `tricolor rat terrier` |
| this exact word or phrase: | | Put exact words in quotes: `"rat terrier"` |
| any of these words: | | Type `OR` between all the words you want: `miniature OR standard` |
| none of these words: | | Put a minus sign just before words you don't want: `-rodent, -"Jack Russell"` |
| numbers ranging from: | to | Put 2 periods between the numbers and add a unit of measure: `10..35 lb, $300..$500, 2010..2011` |

**Then narrow your results by...**

| | | |
|---|---|---|
| language: | any language | Find pages in the language you select. |
| region: | any region | Find pages published in a particular region. |
| last update: | anytime | Find pages updated within the time you specify. |
| site or domain: | | Search one site (like `wikipedia.org` ) or limit your results to a domain like `.edu`, `.org` or `.gov` |
| terms appearing: | anywhere in the page | Search for terms in the whole page, page title, or web address, or links to the page you're looking for. |
| file type: | any format | Find pages in the format you prefer. |
| usage rights: | not filtered by license | Find pages you are free to use yourself. |



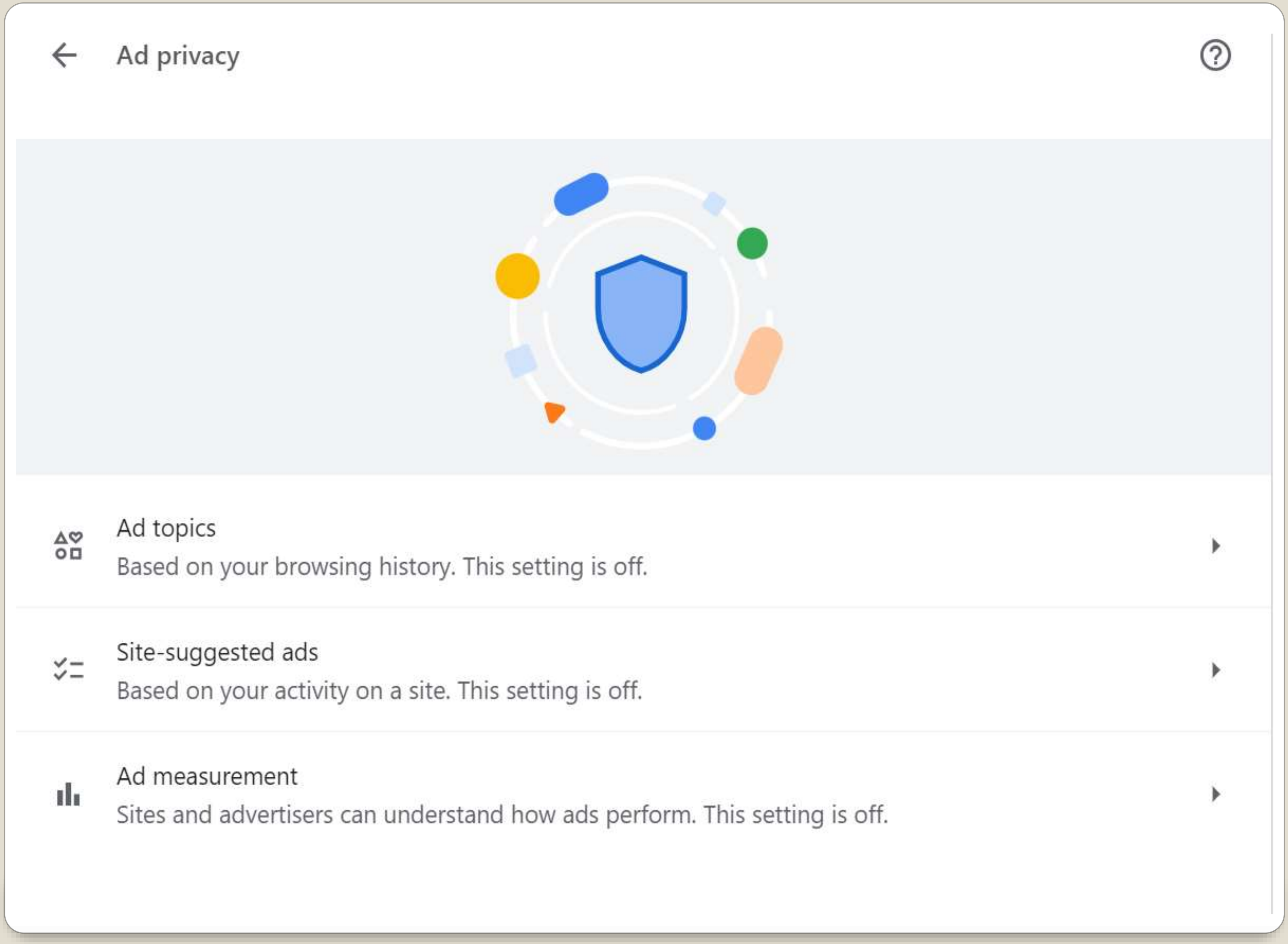
Turn on an ad privacy feature

We're launching new privacy features that give you more choice over the ads you see.

Ad topics help sites show you relevant ads while protecting your browsing history and identity. Chrome can note topics of interest based on your recent browsing history. Later, a site you visit can ask Chrome for relevant topics to personalize the ads you see.

You can see ad topics in settings and block the ones you don't want shared with sites. Chrome also auto-deletes ad topics that are older than 4 weeks.

You can change your mind any time in Chrome settings

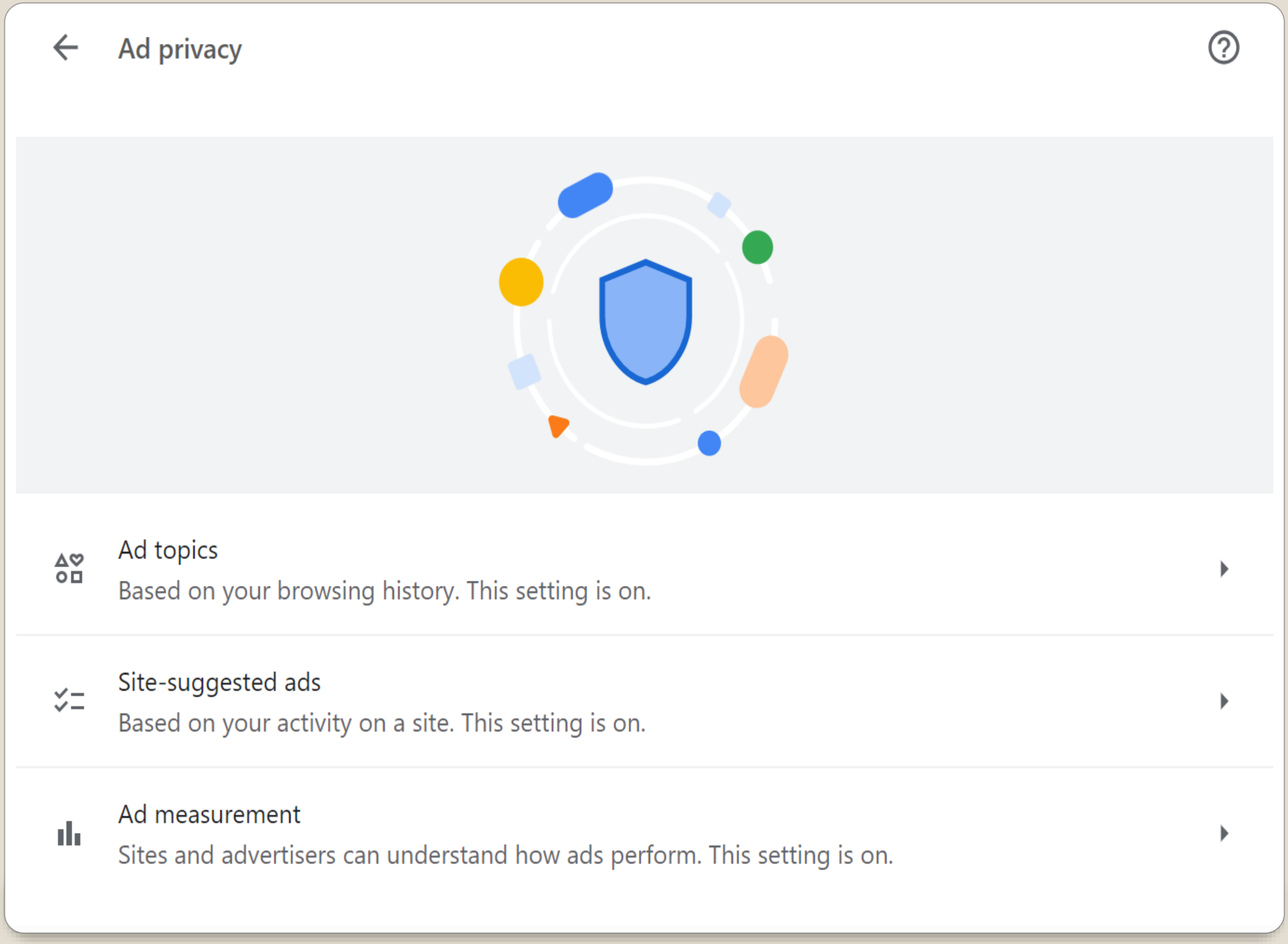


Ad privacy

Ad topics
Based on your browsing history. This setting is off.

Site-suggested ads
Based on your activity on a site. This setting is off.

Ad measurement
Sites and advertisers can understand how ads perform. This setting is off.



# Ad privacy

Ad topics

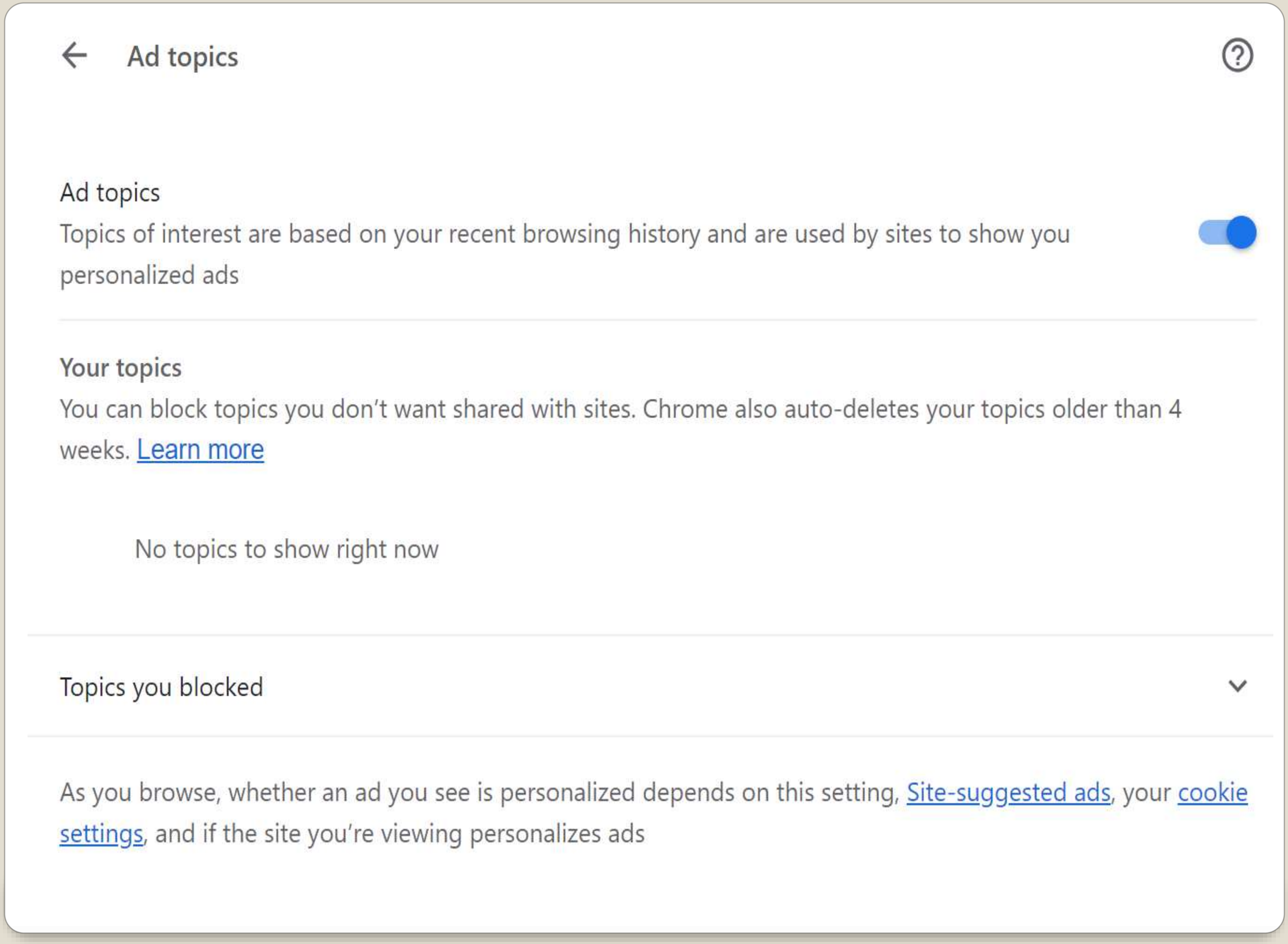
Based on your browsing history. This setting is on.

Site-suggested ads

Based on your activity on a site. This setting is on.

Ad measurement

Sites and advertisers can understand how ads perform. This setting is on.



Ad topics

Ad topics

Topics of interest are based on your recent browsing history and are used by sites to show you personalized ads

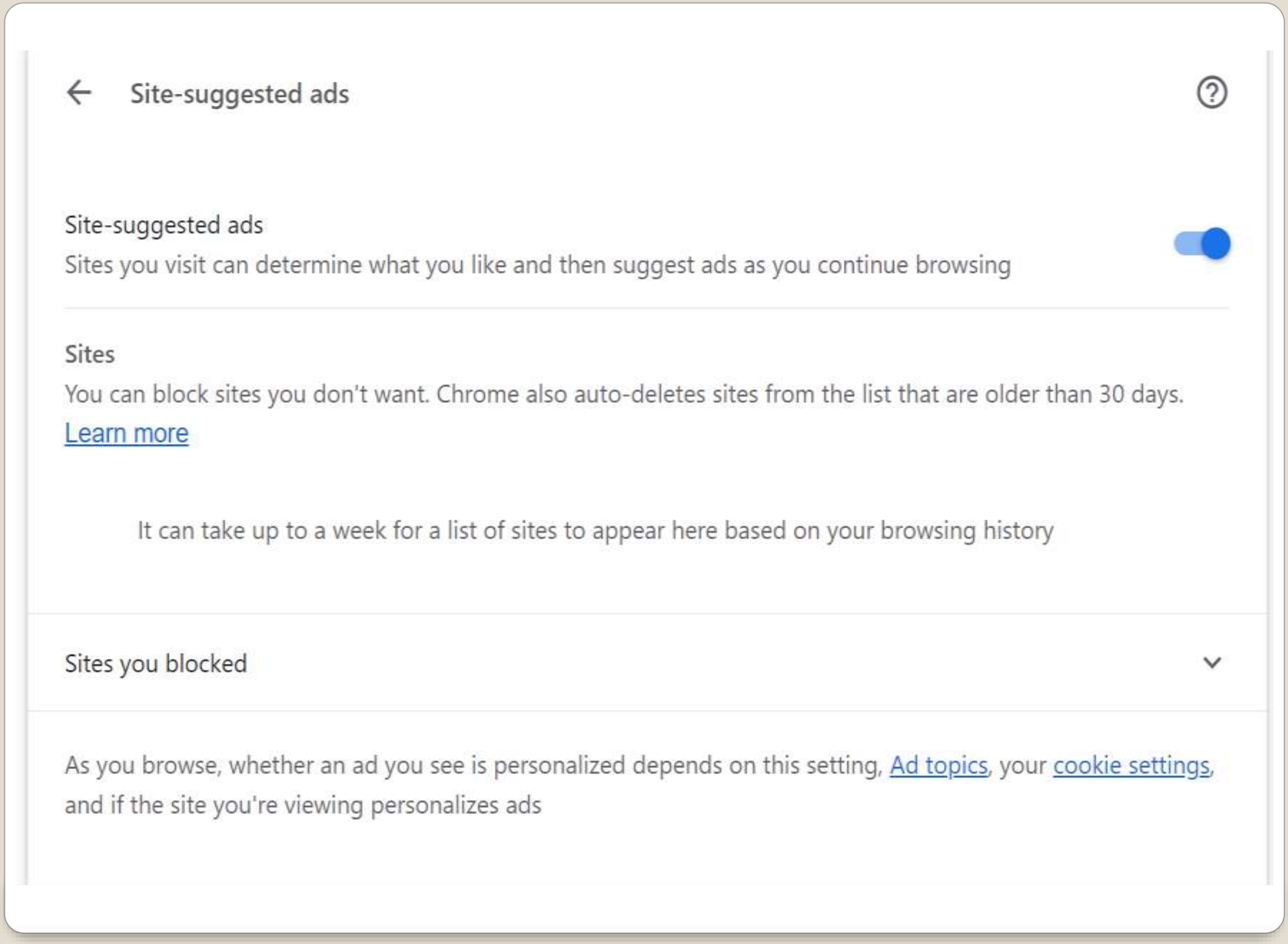
Your topics

You can block topics you don't want shared with sites. Chrome also auto-deletes your topics older than 4 weeks. Learn more

No topics to show right now

Topics you blocked

As you browse, whether an ad you see is personalized depends on this setting, Site-suggested ads, your cookie settings, and if the site you're viewing personalizes ads



Site-suggested ads

Site-suggested ads

Sites you visit can determine what you like and then suggest ads as you continue browsing

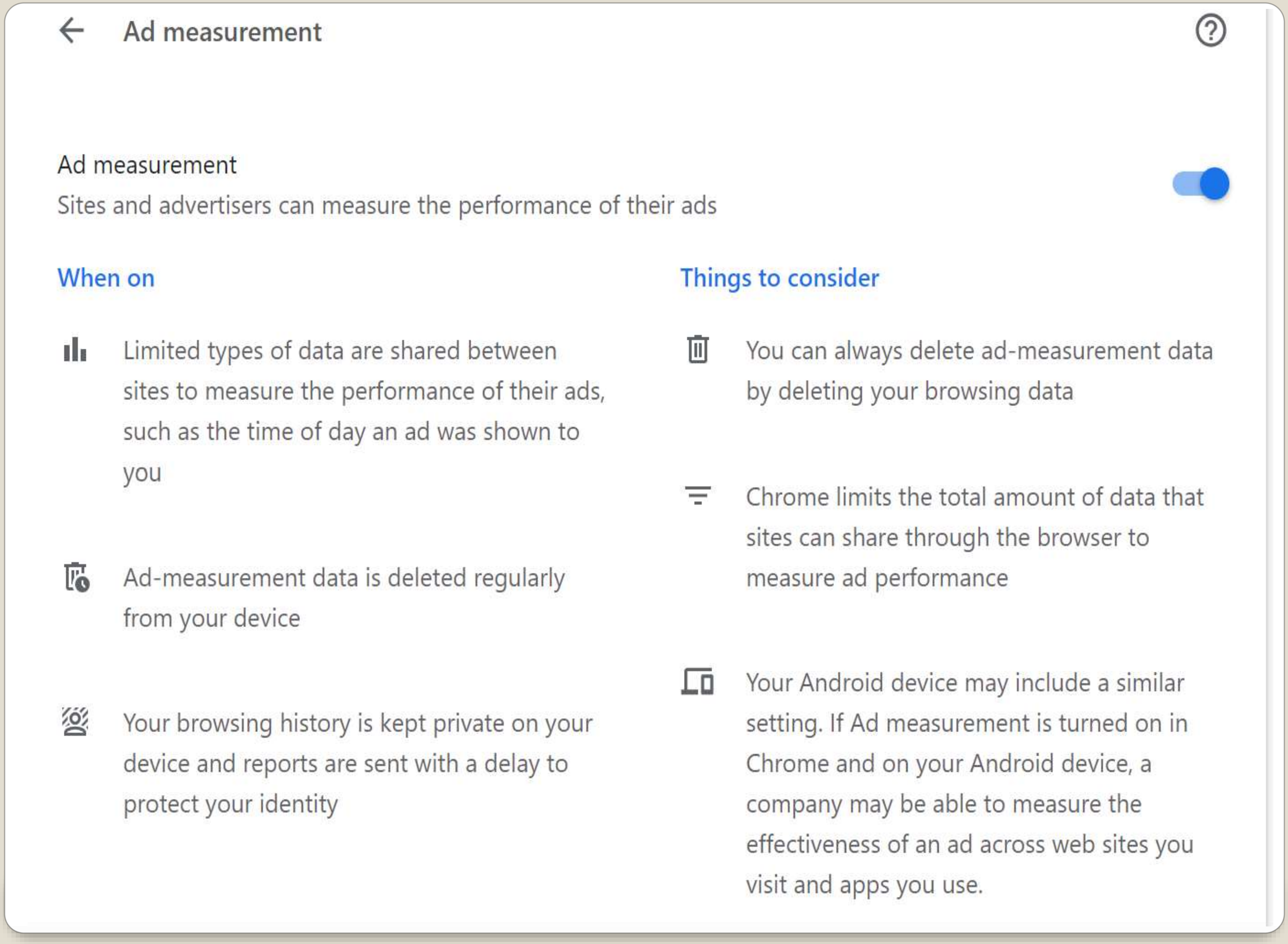
Sites

You can block sites you don't want. Chrome also auto-deletes sites from the list that are older than 30 days. Learn more

It can take up to a week for a list of sites to appear here based on your browsing history

Sites you blocked

As you browse, whether an ad you see is personalized depends on this setting, Ad topics, your cookie settings, and if the site you're viewing personalizes ads



← Ad measurement

Ad measurement

Sites and advertisers can measure the performance of their ads

When on

Limited types of data are shared between sites to measure the performance of their ads, such as the time of day an ad was shown to you

Ad-measurement data is deleted regularly from your device

Your browsing history is kept private on your device and reports are sent with a delay to protect your identity

Things to consider

You can always delete ad-measurement data by deleting your browsing data

Chrome limits the total amount of data that sites can share through the browser to measure ad performance

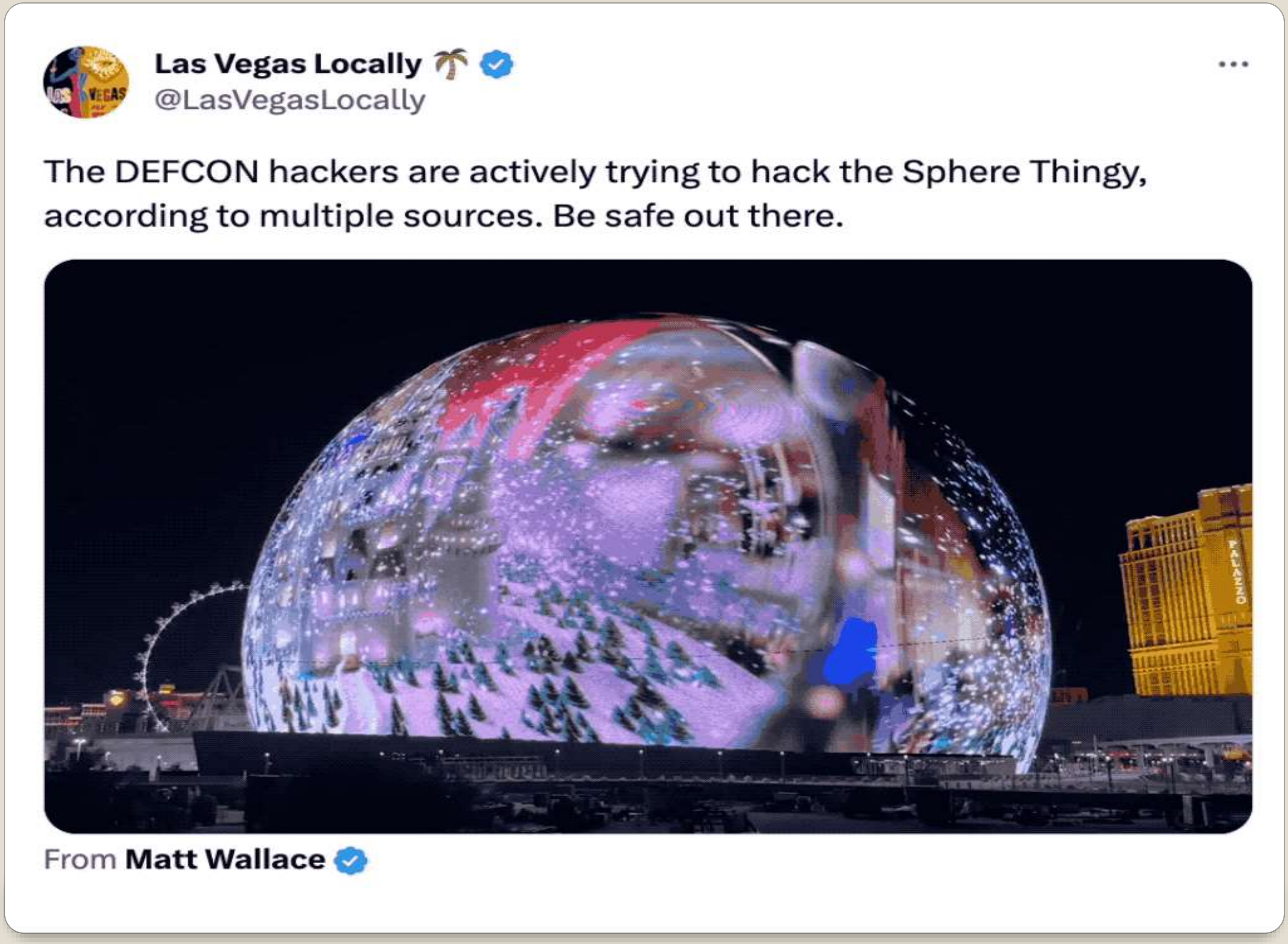
Your Android device may include a similar setting. If Ad measurement is turned on in Chrome and on your Android device, a company may be able to measure the effectiveness of an ad across web sites you visit and apps you use.

# Chrome Topics

- FLoC Federated Learning of Cohorts
- Tracking for Ads
- Topics API
- DoNotTrack – tracking
- Global Privacy Control – Privacy
- Topics Privacy forward - non tracking
- Local to browser Topic
- 349 topics
- Rolling 3 week “epochs”
- 5 “random” topics to site query
- Resource intensive

- Chrome on track to shutdown 3rd party cookies   2024
- Multiple browsers   each fit for purpose

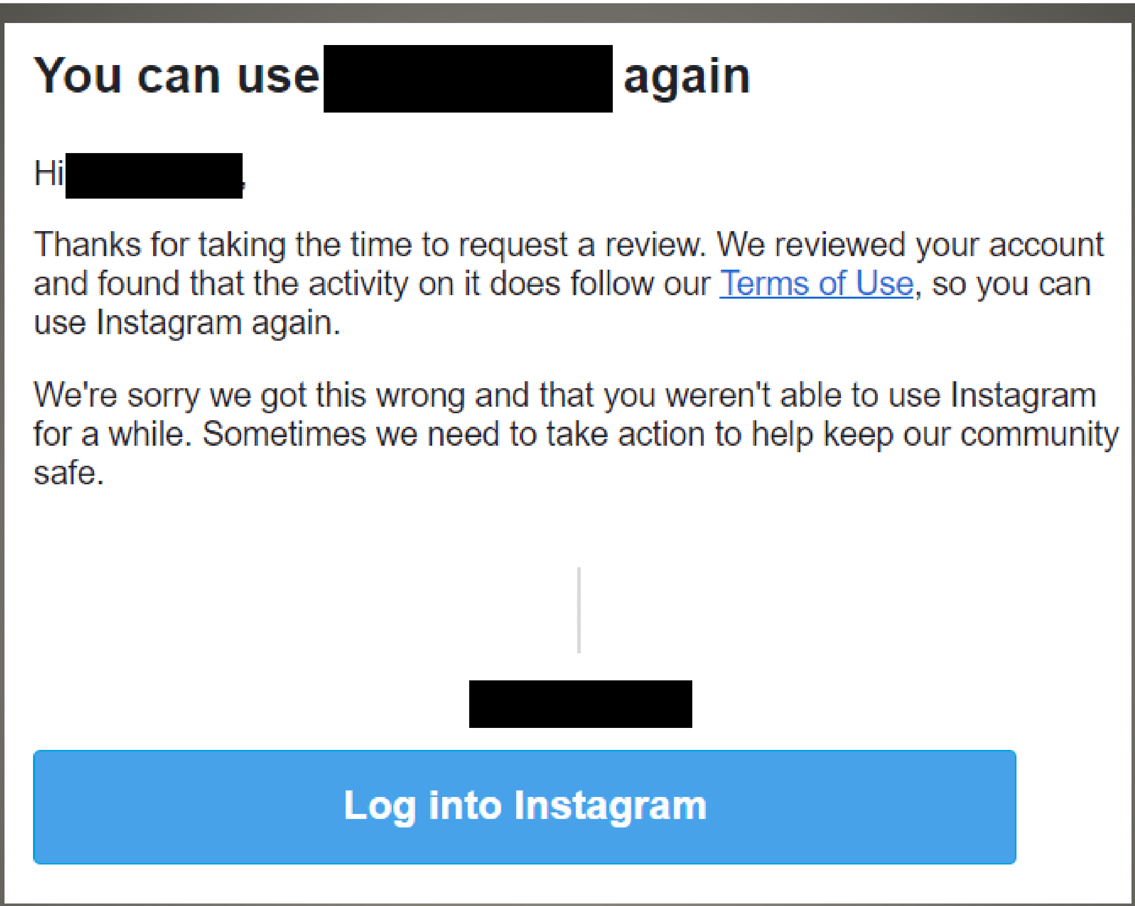
# Chrome Topics



Las Vegas Locally 🌴
@LasVegasLocally

The DEFCON hackers are actively trying to hack the Sphere Thingy, according to multiple sources. Be safe out there.

From **Matt Wallace**



## You can use [redacted] again

Hi [redacted],

Thanks for taking the time to request a review. We reviewed your account and found that the activity on it does follow our Terms of Use, so you can use Instagram again.

We're sorry we got this wrong and that you weren't able to use Instagram for a while. Sometimes we need to take action to help keep our community safe.

[redacted]

# Instagram

# USPS Informed Delivery

- An email of a neighbor's postal mail
- USPS Change of Address fraud
- Thief acquires name and address
- Change of Address via mail

  Not online, not in-person

  More authentication
- Access your mail at their address
- Financial statements
- Pharmacy delivery

- Got a change of address form?
- USPS should notify both ola and new address

  Contact local US Postal Inspection office

  1-877-876-2455

- You can encrypt ALMOST everything
- BUT your location
- And the location of everyone else

- Malware only gets better
  So do security responses

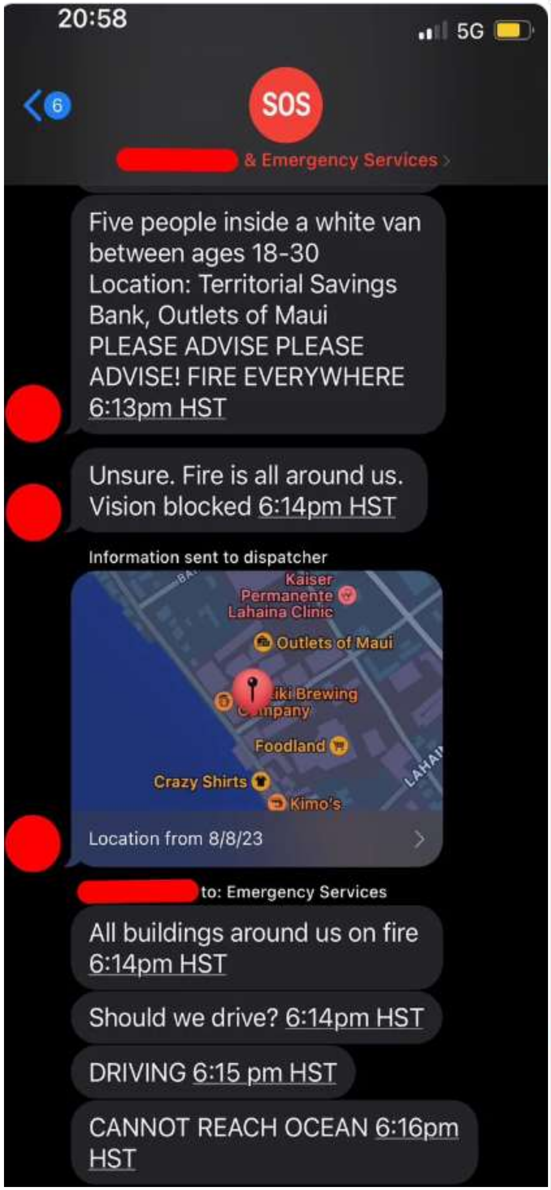
# Firefox extension

- Multi-Account Containers
- Problem: A Google login logs in for ALL
- Customize containers

  Colors, names, icons

# Consider your wallet/purse

- Passport
- Social Security Card
- Family Photos
- Financial details
- Items with address (except Drivers License)
- Address / Phone lists
- Irreplicable items
- Membership Cards
- Birth certificate
- Excess cash
- Old Receipts
- Excess credit/debit cards
- Spare Keys
- PIN & Password cheat sheets
- Blank checks



20:58 5G

6

SOS

[redacted] & Emergency Services

Five people inside a white van between ages 18-30 Location: Territorial Savings Bank, Outlets of Maui PLEASE ADVISE PLEASE ADVISE! FIRE EVERYWHERE 6:13pm HST

[redacted]

Unsure. Fire is all around us. Vision blocked 6:14pm HST

[redacted]

Information sent to dispatcher

Location from 8/8/23

[redacted]

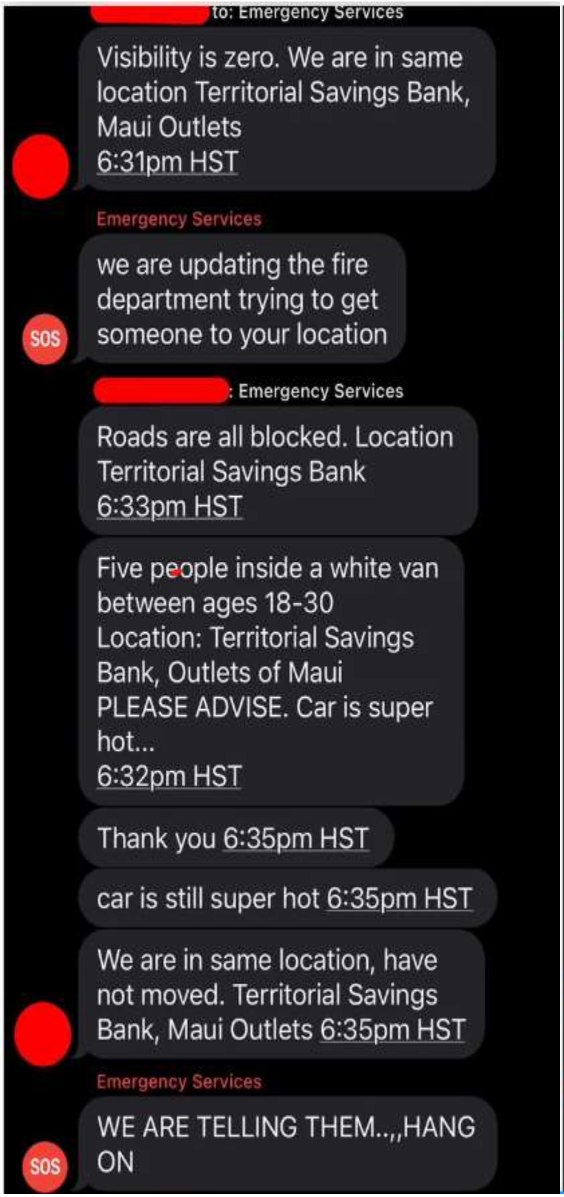
[redacted] to: Emergency Services

All buildings around us on fire 6:14pm HST

Should we drive? 6:14pm HST

DRIVING 6:15 pm HST

CANNOT REACH OCEAN 6:16pm HST



[redacted] to: Emergency Services

Visibility is zero. We are in same location Territorial Savings Bank, Maui Outlets 6:31pm HST

[redacted]

Emergency Services

SOS we are updating the fire department trying to get someone to your location

[redacted]: Emergency Services

Roads are all blocked. Location Territorial Savings Bank 6:33pm HST

Five people inside a white van between ages 18-30 Location: Territorial Savings Bank, Outlets of Maui PLEASE ADVISE. Car is super hot... 6:32pm HST

Thank you 6:35pm HST

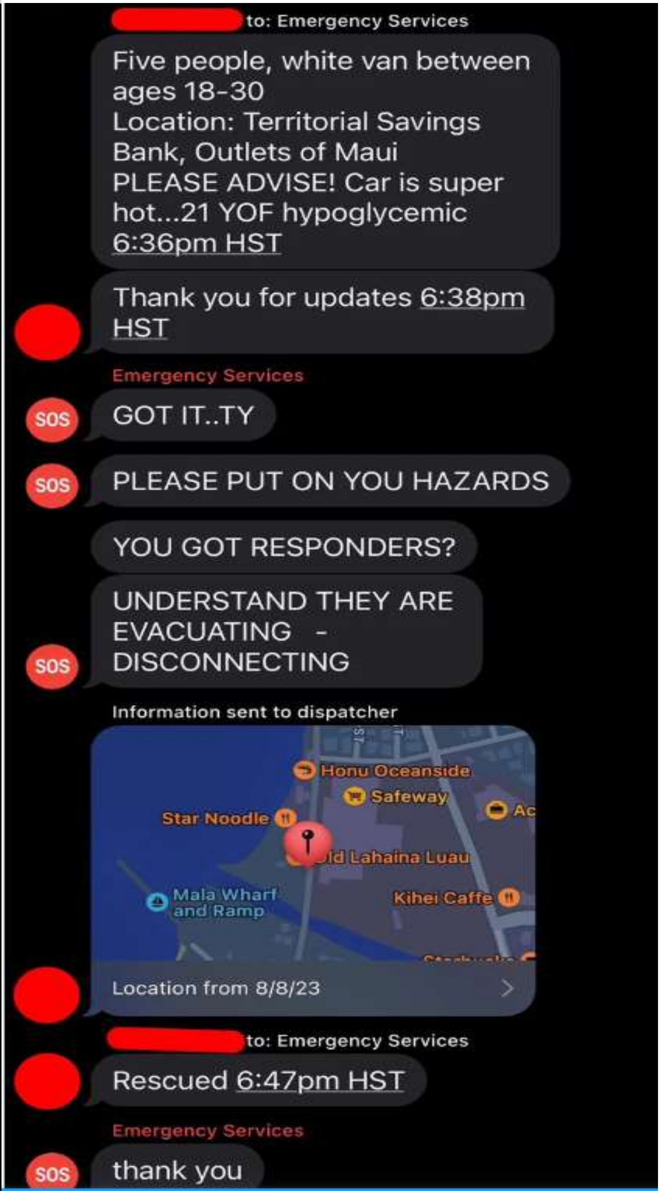
car is still super hot 6:35pm HST

We are in same location, have not moved. Territorial Savings Bank, Maui Outlets 6:35pm HST

[redacted]

Emergency Services

SOS WE ARE TELLING THEM...,,HANG ON



[redacted] to: Emergency Services

Five people, white van between ages 18-30 Location: Territorial Savings Bank, Outlets of Maui PLEASE ADVISE! Car is super hot...21 YOF hypoglycemic 6:36pm HST

Thank you for updates 6:38pm HST

[redacted]

Emergency Services

SOS GOT IT..TY

SOS PLEASE PUT ON YOU HAZARDS

YOU GOT RESPONDERS?

UNDERSTAND THEY ARE EVACUATING - DISCONNECTING

SOS

Information sent to dispatcher

Location from 8/8/23

[redacted]

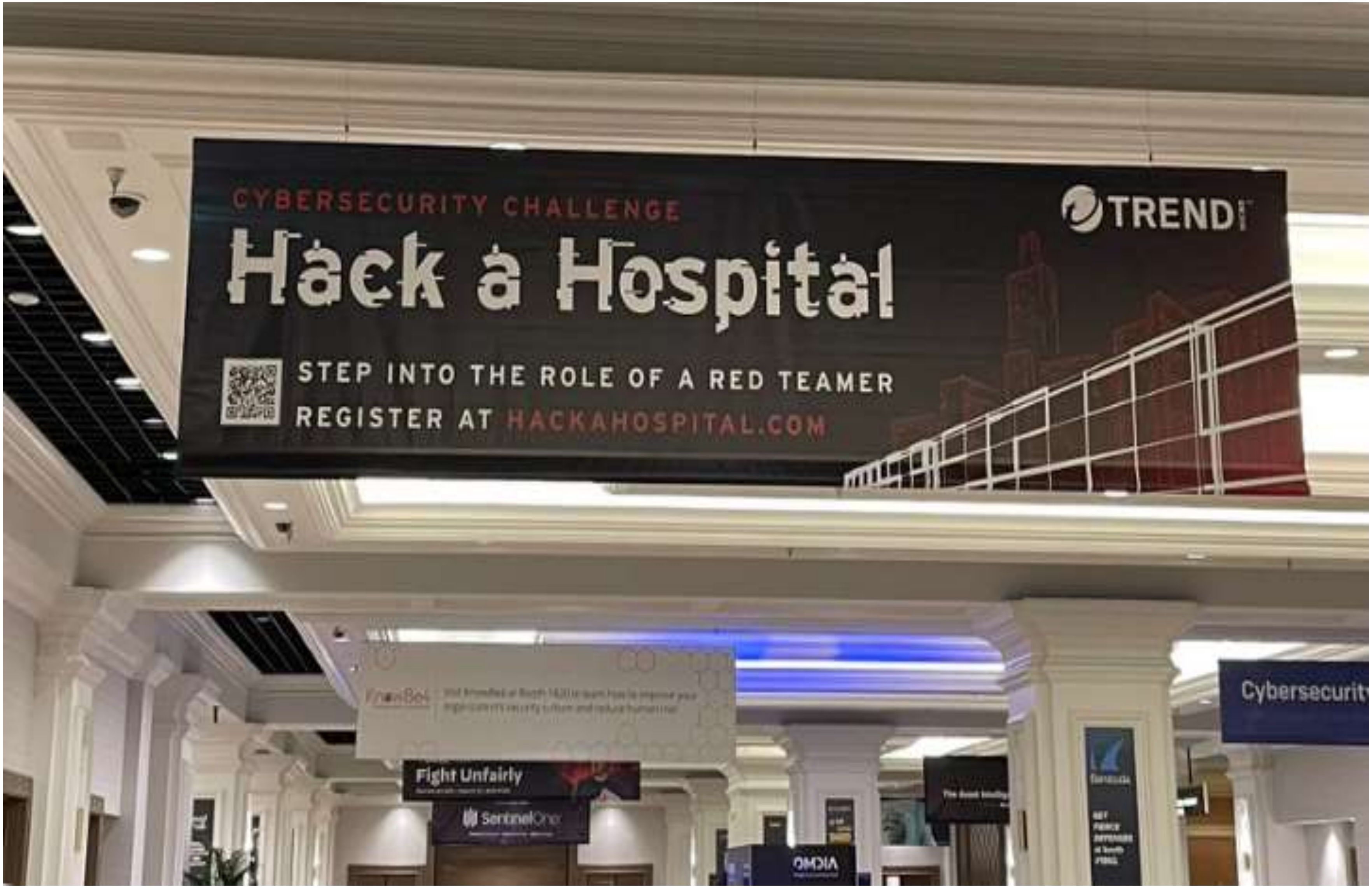
[redacted] to: Emergency Services

Rescued 6:47pm HST

[redacted]

Emergency Services

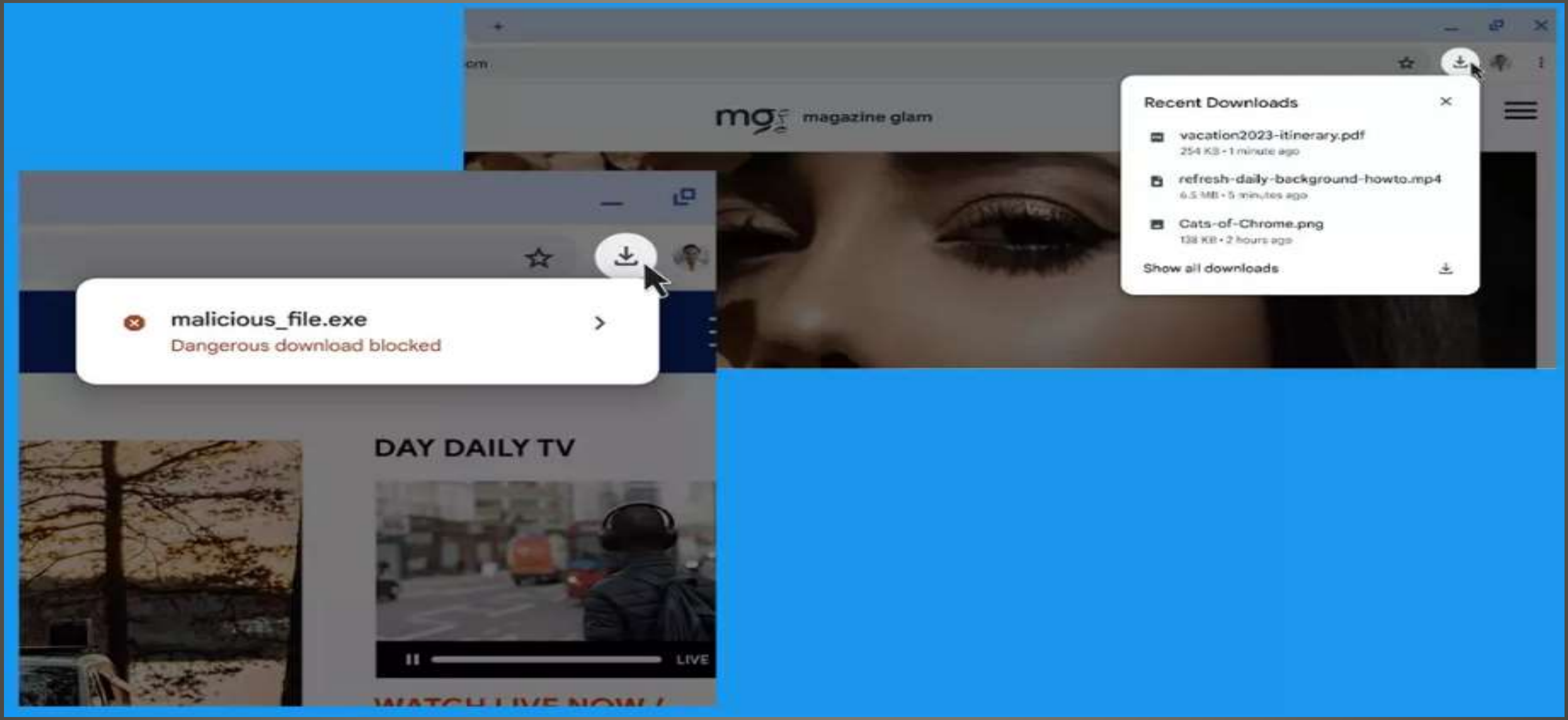
SOS thank you


CYBERSECURITY CHALLENGE
Hack a Hospital
STEP INTO THE ROLE OF A RED TEAMER
REGISTER AT HACKAHOSPITAL.COM
TREND
KnowBe4
Fight Unfairly
SentinelOne
OMDIA
Cybersecurity

# Hospital Cyber Attack

- Prospect Medical Holdings
- Based in California
- Sites in Texas, Connecticut, Rhode Island, Pennsylvania
- Digiheals

- Version 115.0.5790.111
- Improved download tray



malicious_file.exe
Dangerous download blocked

Recent Downloads

vacation2023-itinerary.pdf
254 KB • 1 minute ago

refresh-daily-background-howto.mp4
6.5 MB • 5 minutes ago

Cats-of-Chrome.png
138 KB • 2 hours ago

Show all downloads

# Google Chrome

- Version 115.0.5790.111
- Improved download tray

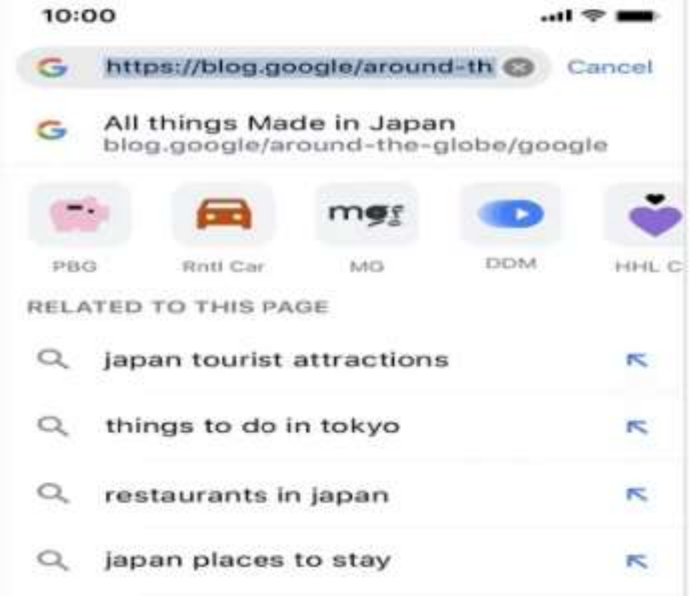
  Download notifications moved

  Animated ring as downloads progress

  See all downloads given 24-hour period

  Smarter downloads
- Smarter searching

  Related to this page



https://blog.google/around-th

All things Made in Japan
blog.google/around-the-globe/google

RELATED TO THIS PAGE

japan tourist attractions

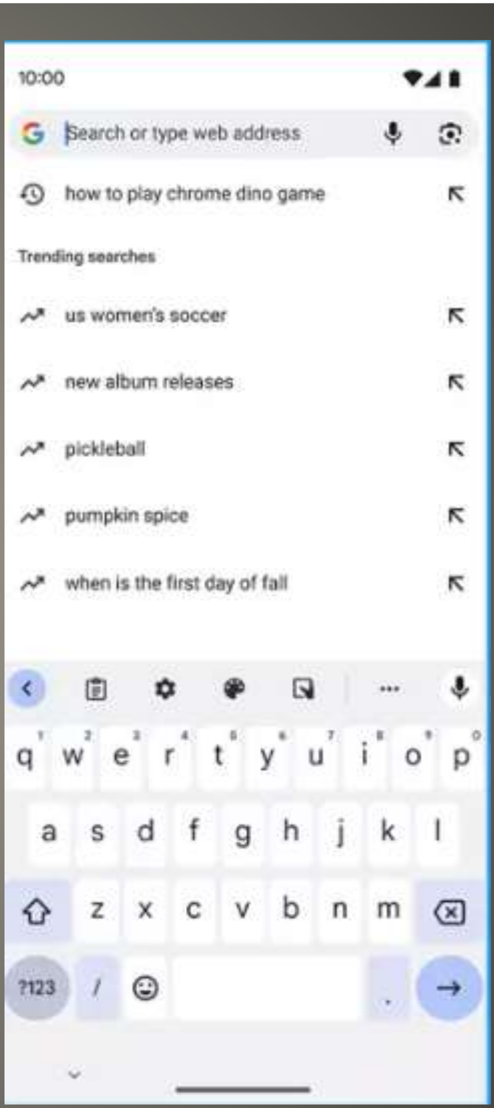
things to do in tokyo

restaurants in japan

japan places to stay

# Google Chrome

- Online Trends (Android)



10:00

Search or type web address

how to play chrome dino game

Trending searches

us women's soccer

new album releases

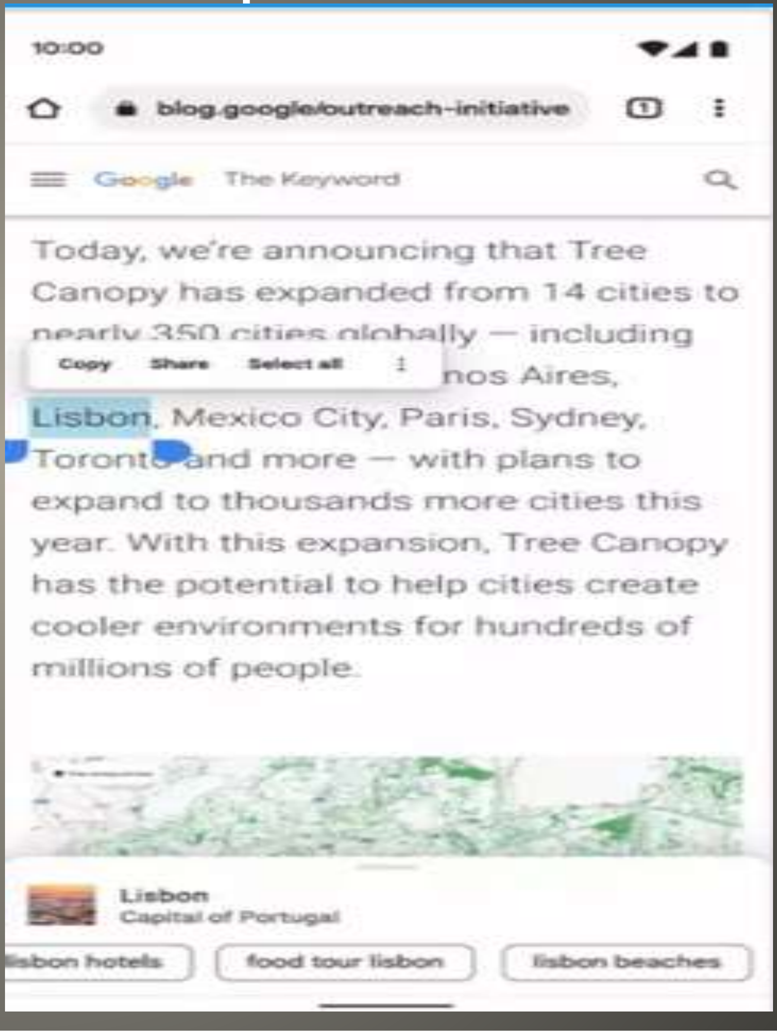
pickleball

pumpkin spice

when is the first day of fall

## Google Chrome

- Expand Touch to Search Options



Today, we're announcing that Tree Canopy has expanded from 14 cities to nearly 350 cities globally — including nos Aires, Lisbon, Mexico City, Paris, Sydney, Toronto and more — with plans to expand to thousands more cities this year. With this expansion, Tree Canopy has the potential to help cities create cooler environments for hundreds of millions of people.

Lisbon
Capital of Portugal

**Google Chrome**

# Android malware

- Credential theft via OCR
- CherryBlos
- Recognize then steal credentials stored on screen
- Overlay recognized screens:

  Binance and other crypto currencies

  Withdrawals replaced wallet addresses

  Safeguards for screenshots bypassed

    Accessibility functions

    Auto click “Allow”

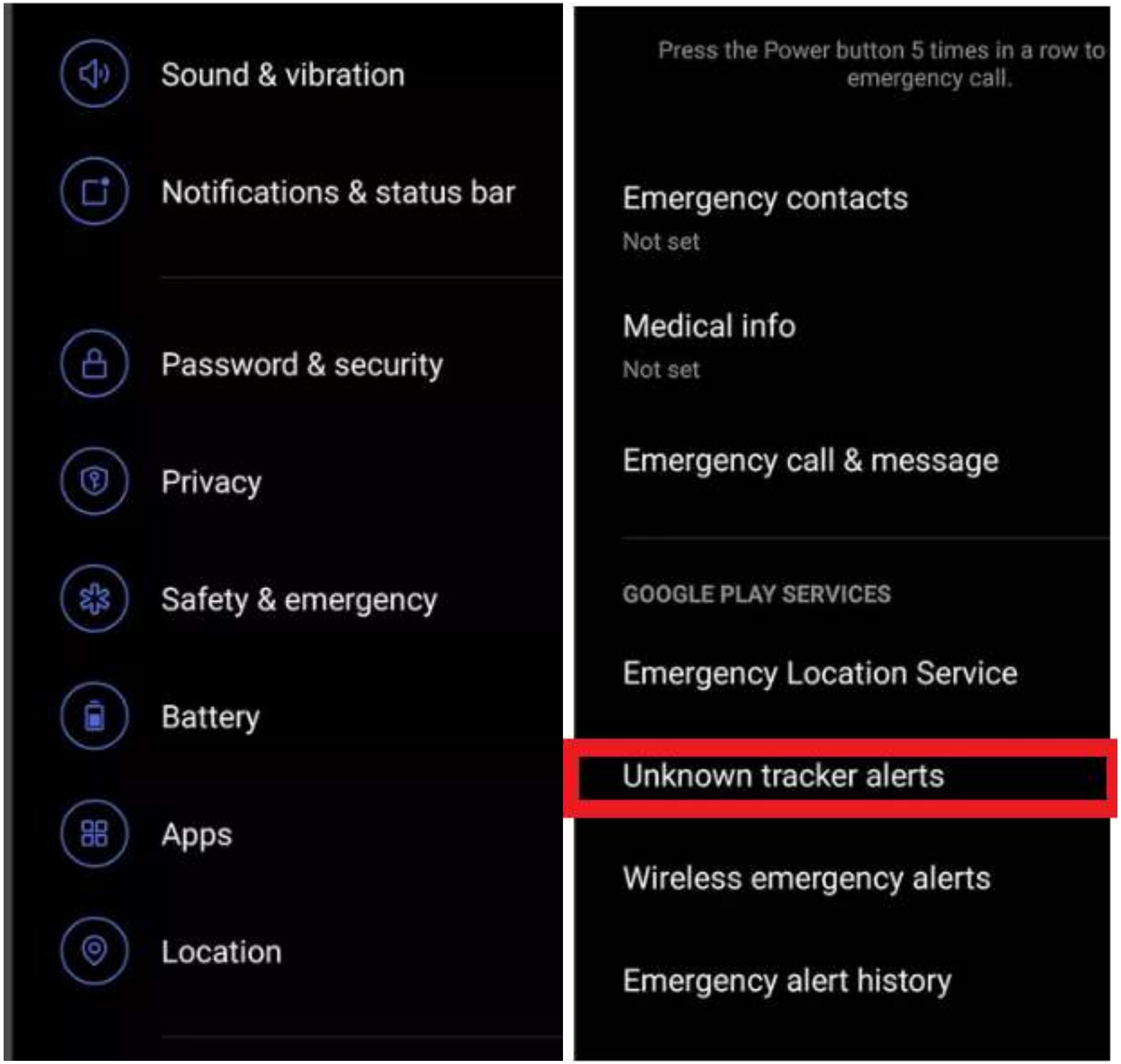
- New Safety tool from Google
- Apple AirTags
- Google & Apple teamed for standards
- Android 11 and older

  Personal Safety
- Android 12 and later

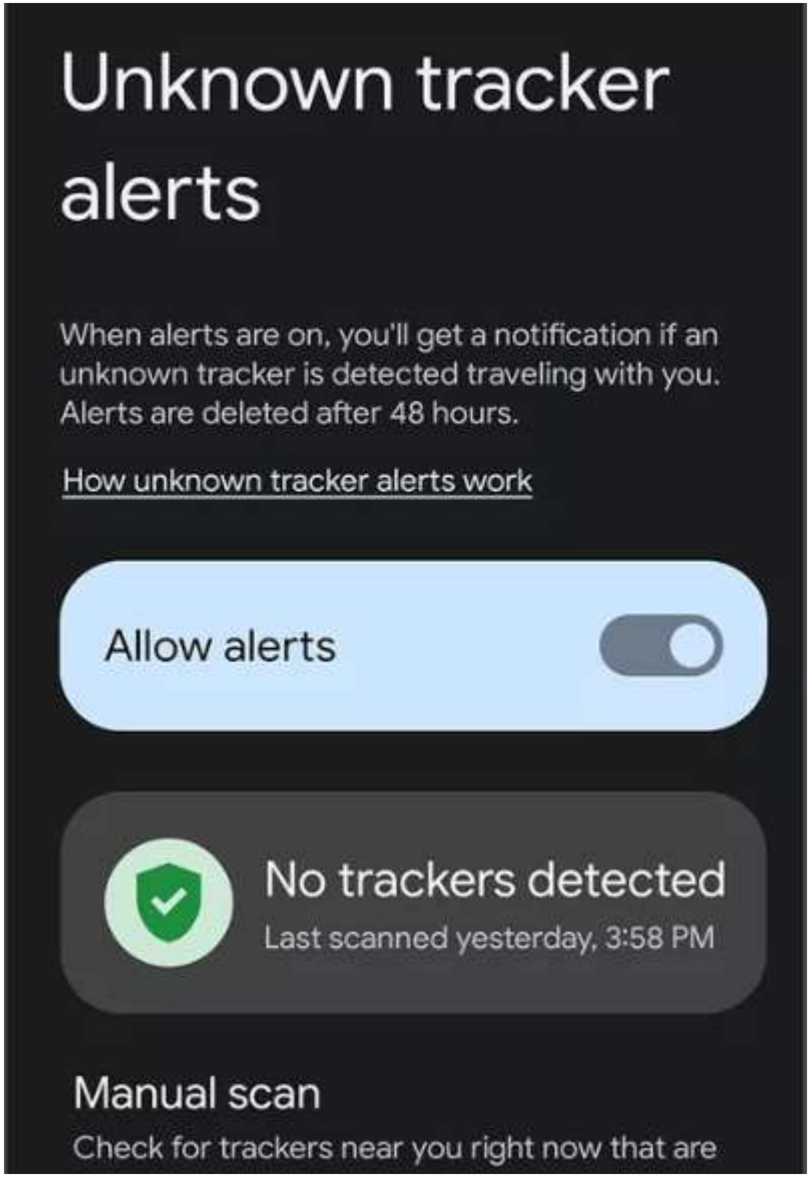
  Safety & Emergency

Unknown tracker alerts

# Android & Bluetooth trackers



Press the Power button 5 times in a row to emergency call.



# Unknown tracker alerts

When alerts are on, you'll get a notification if an unknown tracker is detected traveling with you. Alerts are deleted after 48 hours.

How unknown tracker alerts work

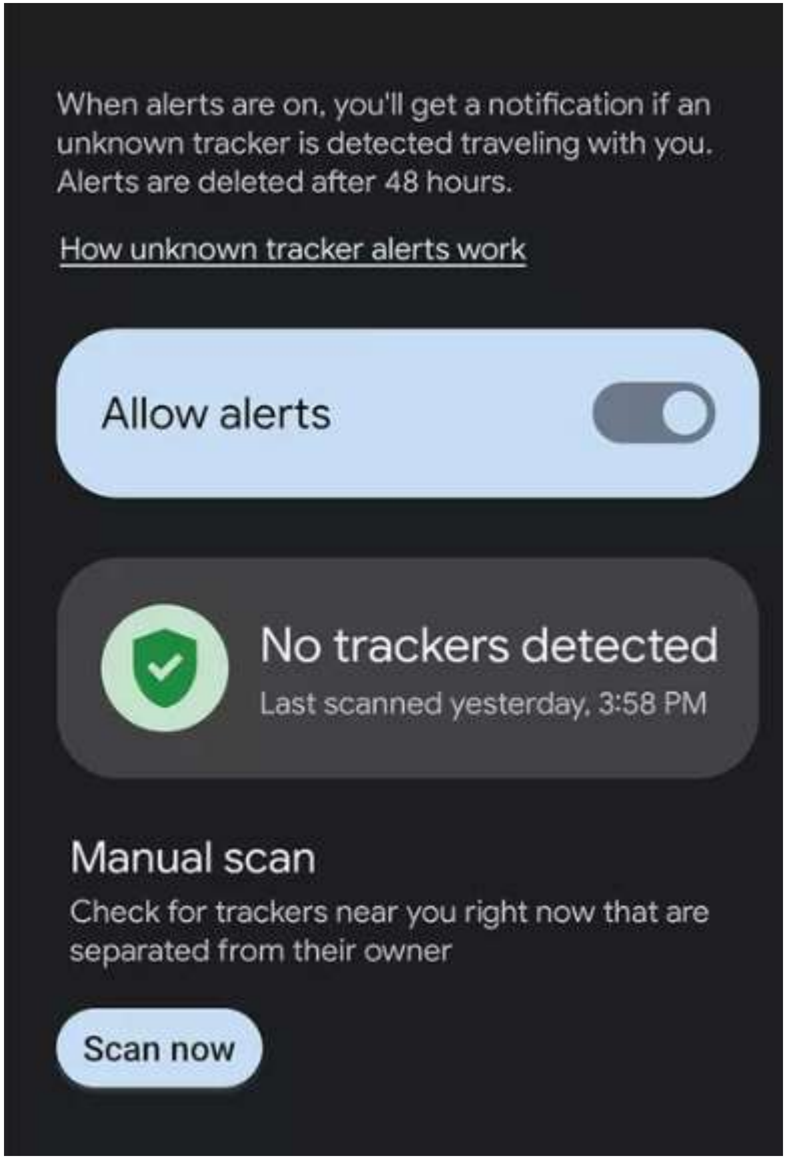
Allow alerts

No trackers detected

Last scanned yesterday, 3:58 PM

Manual scan

Check for trackers near you right now that are



When alerts are on, you'll get a notification if an unknown tracker is detected traveling with you. Alerts are deleted after 48 hours.

How unknown tracker alerts work

Allow alerts

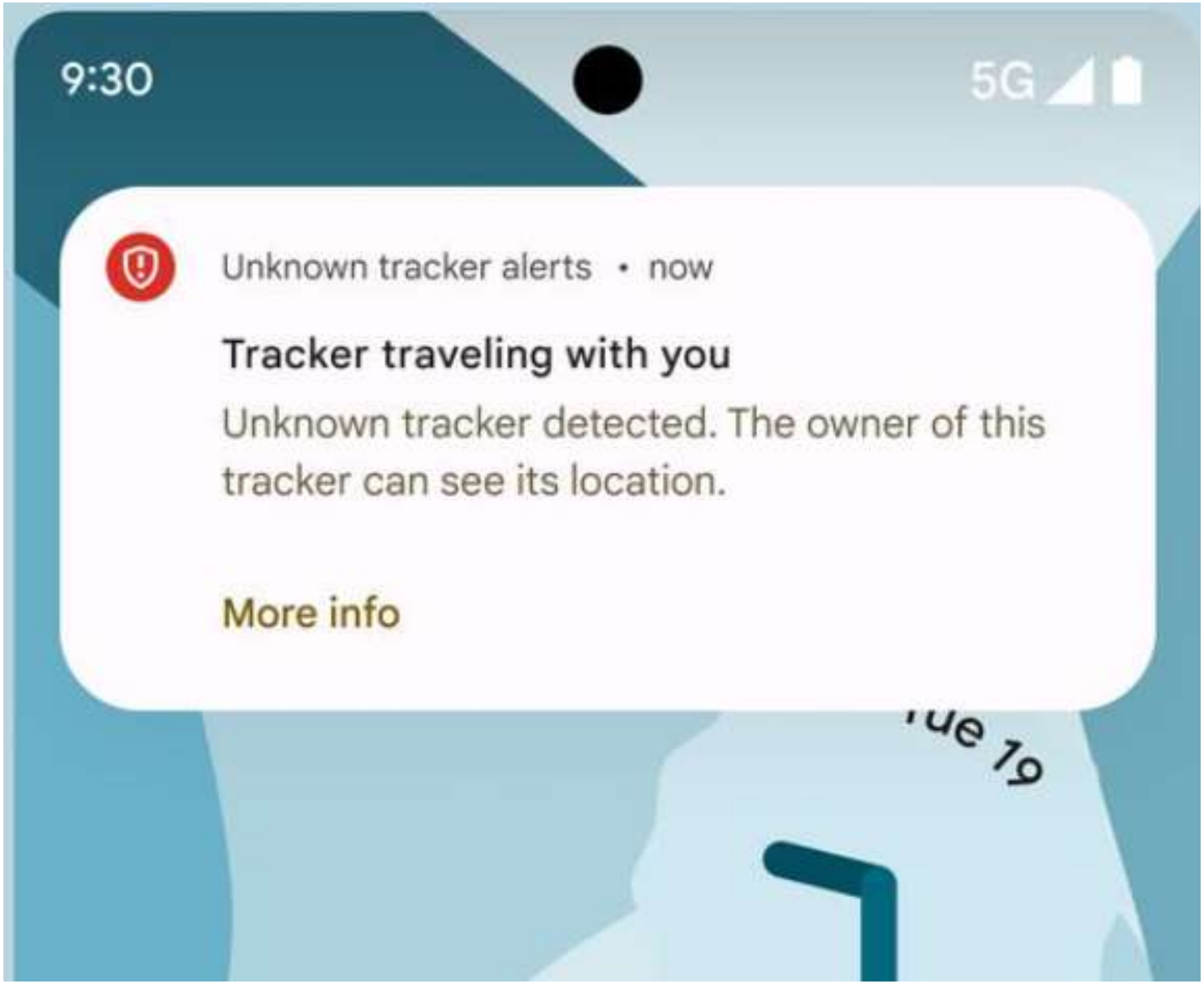
No trackers detected

Last scanned yesterday, 3:58 PM

Manual scan

Check for trackers near you right now that are separated from their owner

Scan now



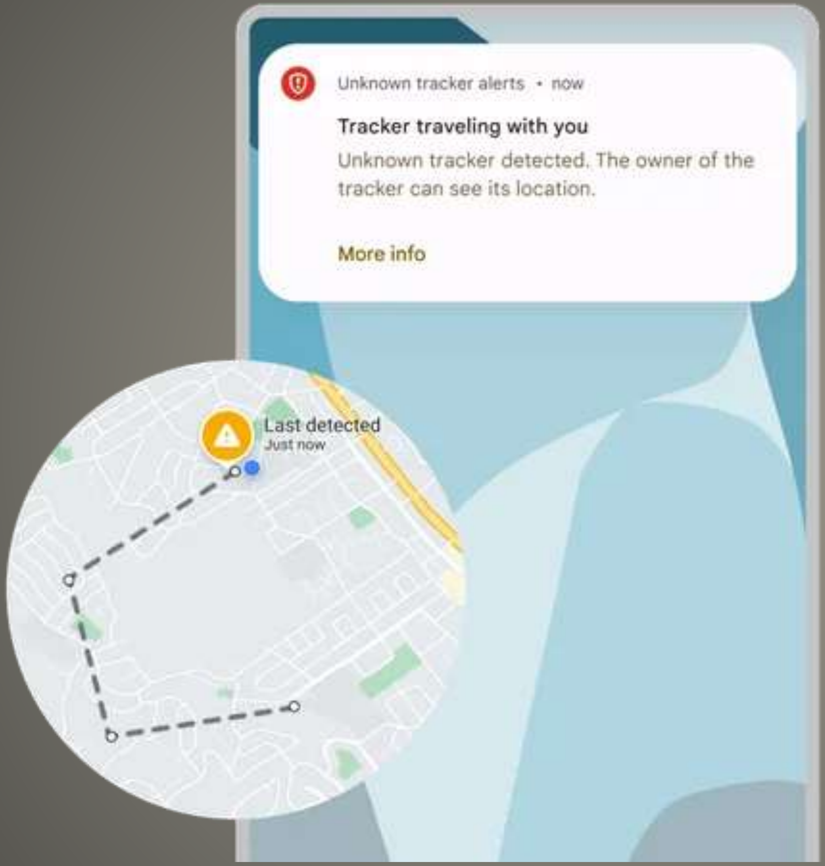
Unknown tracker alerts • now

**Tracker traveling with you**

Unknown tracker detected. The owner of this tracker can see its location.

# Android & Bluetooth trackers

- Currently only Apple AirTags



Unknown tracker alerts • now

**Tracker traveling with you**

Unknown tracker detected. The owner of the tracker can see its location.

More info

- Tap on-screen Play Sound to locate device
- Advice on what-to-do-next

# Android & Bluetooth trackers

- OneDrive  Microsoft cloud storage
- OneDrive App

File Explorer folder  OneDrive

OneDrive App synchs files with OneDrive

OneDrive App stores logs in single directory

Those logs contain session tokens

Session tokens used to create junctions

Those junctions create access outside OneDrive

Target end point

Encrypt those files

Ransomware

Target now contains encrypted backups of encrypted files

Endpoint detection does not detect sanctioned OneDrive App

Malware first  OneDrive App second

# OneDrive flaw

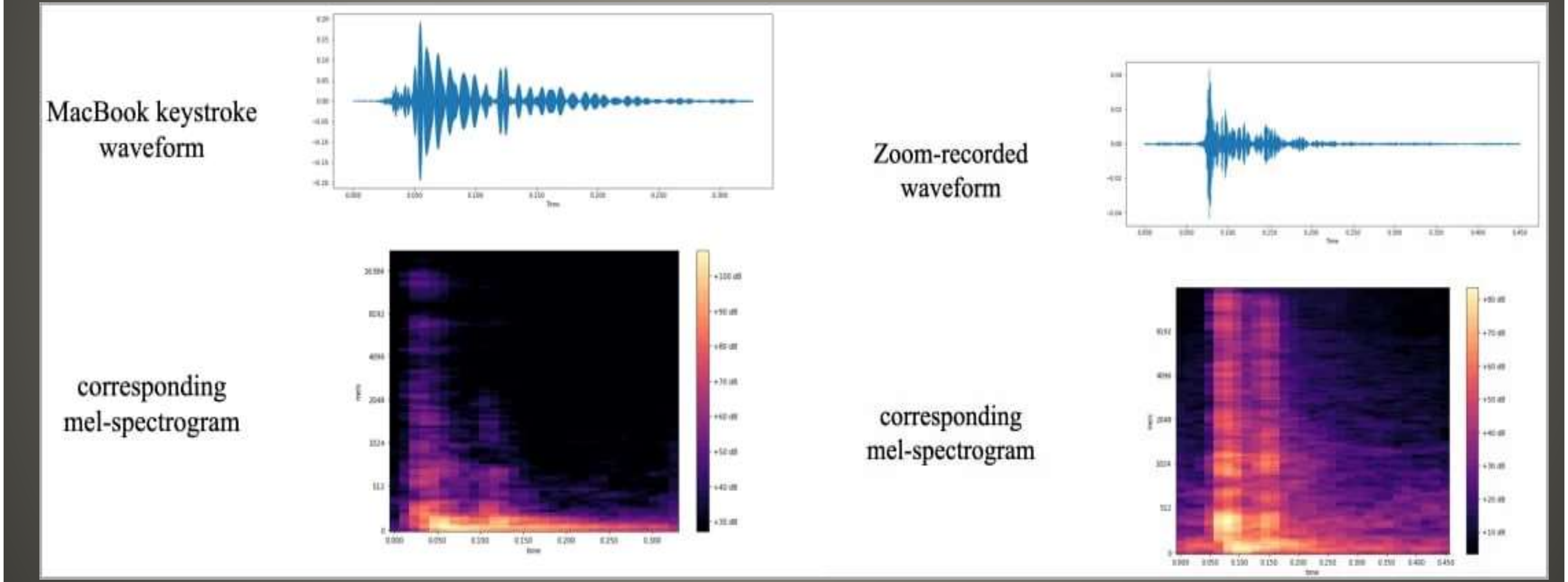
- Electromagnetic fields
- Light reflection from camera lens
- Detect Infrared
- Bluetooth
- Wi-Fi

Physical detection:

Smoke detectors, night lights, clocks, stuffed toys, books,

# Smart Device Hidden Camera Detection

- Deep learning model
- 95% accuracy (using zoom 93%)
- Zoom Chat (text typed and sound)



# Keystroke Acoustic attack

# Current Issues

- Cloudzy – cloud hosting company
  registered in Wyoming
  Iranian based hosts
  Assisted 17 government hacking groups
- Multiple Chinese APT groups
  Planted beachheads
  NYT report  US military bases
  Critical infrastructures    air gaped
  Guam telecommunications systems
- Pentagon investigation
  Engineer in Tennessee    Critical compromise
  17 Air Force facilities    stolen radio equipment
  potentially FBI
- In use SSD then encrypt?

# Current Issues

- BeyondTrust
  US company privileged identity management
  Vulnerability CVSS 10.0
  unauthenticated attacker inject commands
  NO PASSWORD or Credentials required
  Disclosure behind paywall
- US inter-agency intelligence fusion center
  NYPD Flipper Zero
- US Senate bill to allow marijuana users
  Security clearance
- Cannon printers
  Factory reset does NOT clear Wi-Fi settings
- OpenAI bankruptcy?
- Macs use as proxy exit nodes increasing

- AI Incident Database

  Indexing harms and near harms of AI

https://incidentdatabase.ai/

- Worldcoin – scan your iris for cryptocurrency
- LetMeSpy  Android spying app

  Shutdown -  cyber attack deleted all its data

- Newer infection avoidance techniques

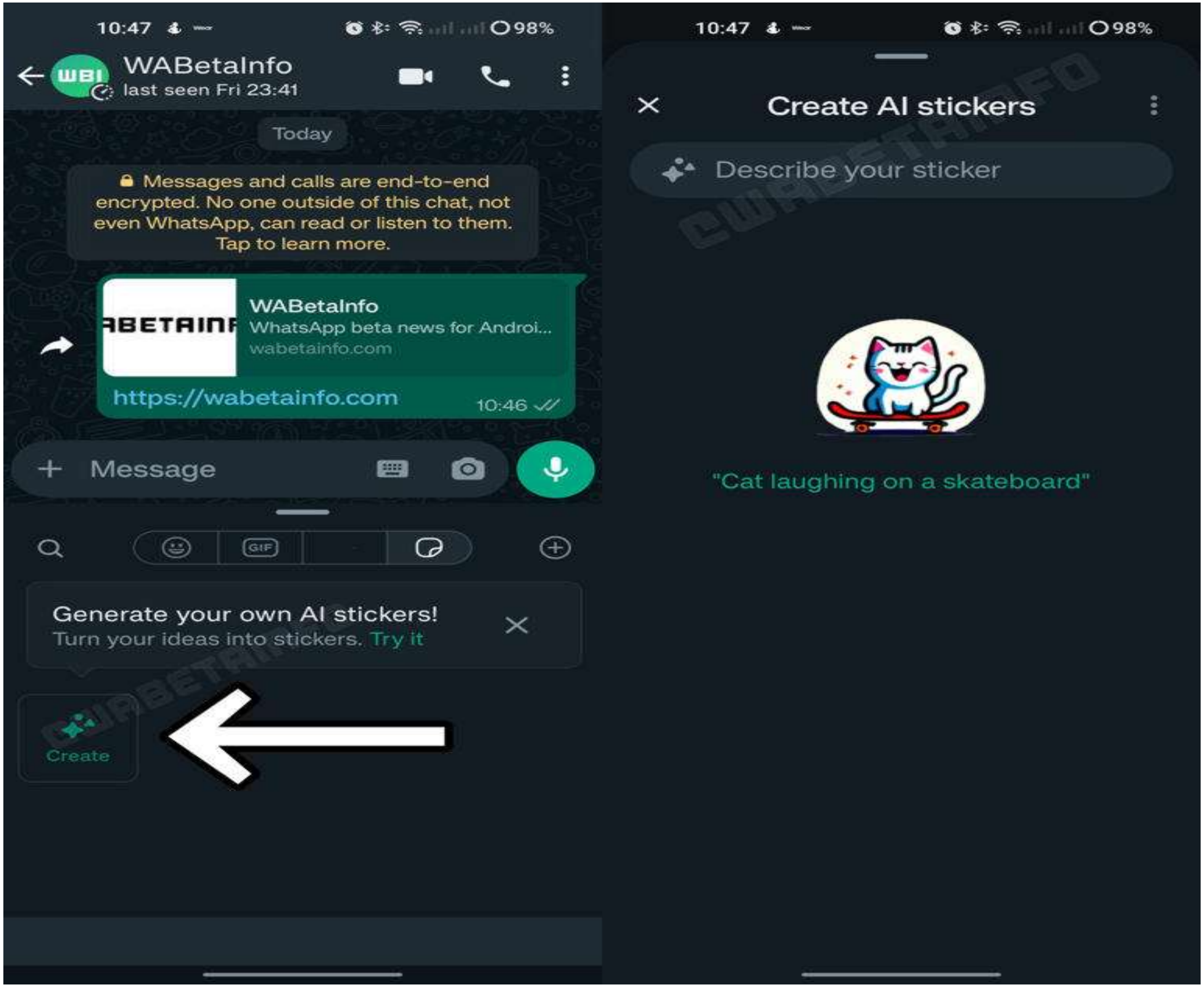
  File extension rename   appending

  Inflate size  past limits of detection

  Multiple programming languages

- ChromeOS update 115.0.5790.182
- WhatsApp testing AI-generated stickers

# Current Issues



Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.

WABetaInfo
WhatsApp beta news for Androi...
wabetainfo.com
https://wabetainfo.com 10:46

Generate your own AI stickers!
Turn your ideas into stickers. Try it

Create AI stickers

Describe your sticker

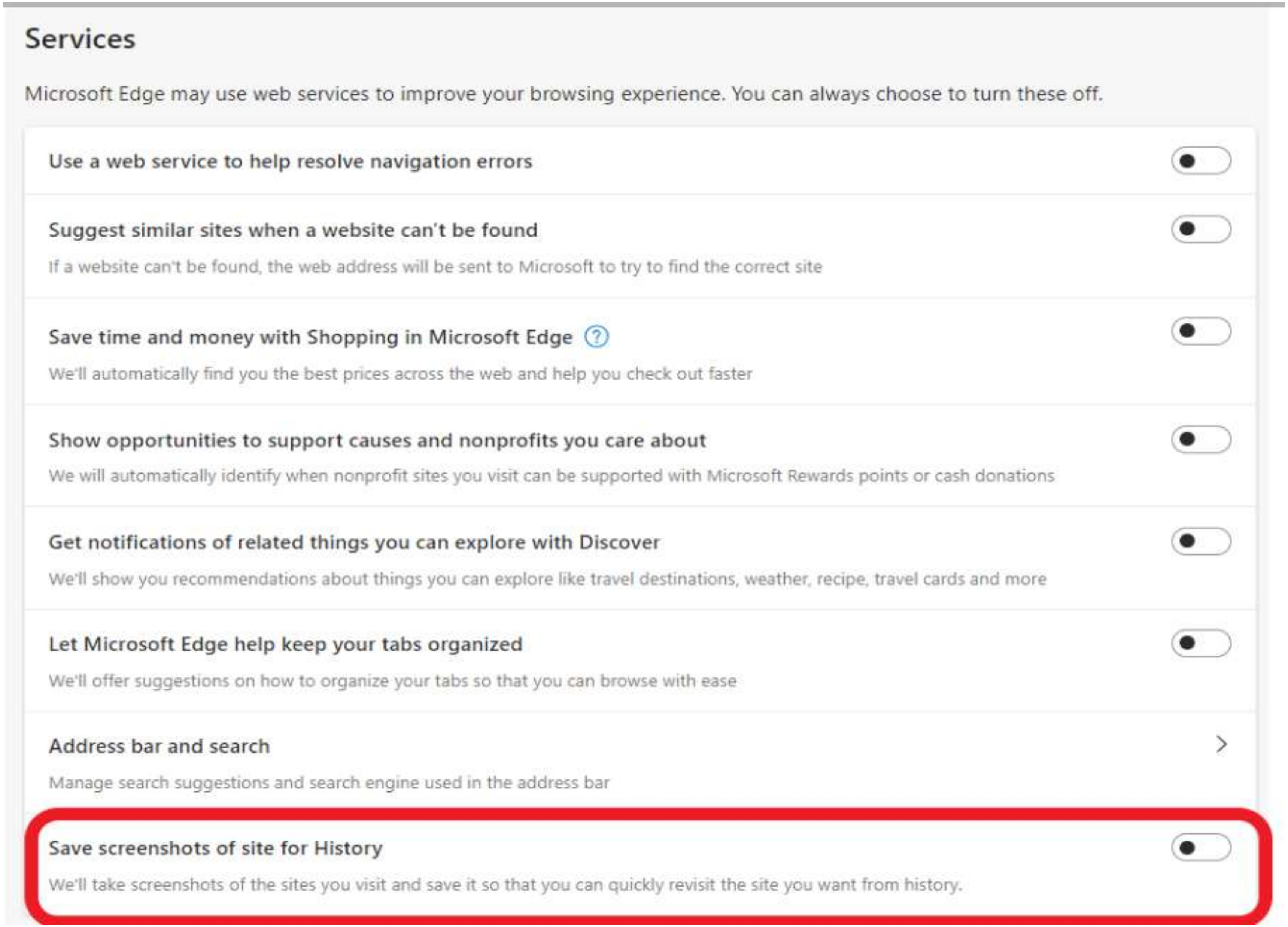
"Cat laughing on a skateboard"

# Comcast Xfinity Storm-Ready WiFi

- Cellular backup Internet
- WiFi extender
- Rechargeable battery 4 hour

- Save screenshot of every webpage
- View for history
- View for offline

# Edge browser



## Services

Microsoft Edge may use web services to improve your browsing experience. You can always choose to turn these off.

Use a web service to help resolve navigation errors

Suggest similar sites when a website can't be found

If a website can't be found, the web address will be sent to Microsoft to try to find the correct site

Save time and money with Shopping in Microsoft Edge ?

We'll automatically find you the best prices across the web and help you check out faster

Show opportunities to support causes and nonprofits you care about

We will automatically identify when nonprofit sites you visit can be supported with Microsoft Rewards points or cash donations

Get notifications of related things you can explore with Discover

We'll show you recommendations about things you can explore like travel destinations, weather, recipe, travel cards and more

Let Microsoft Edge help keep your tabs organized

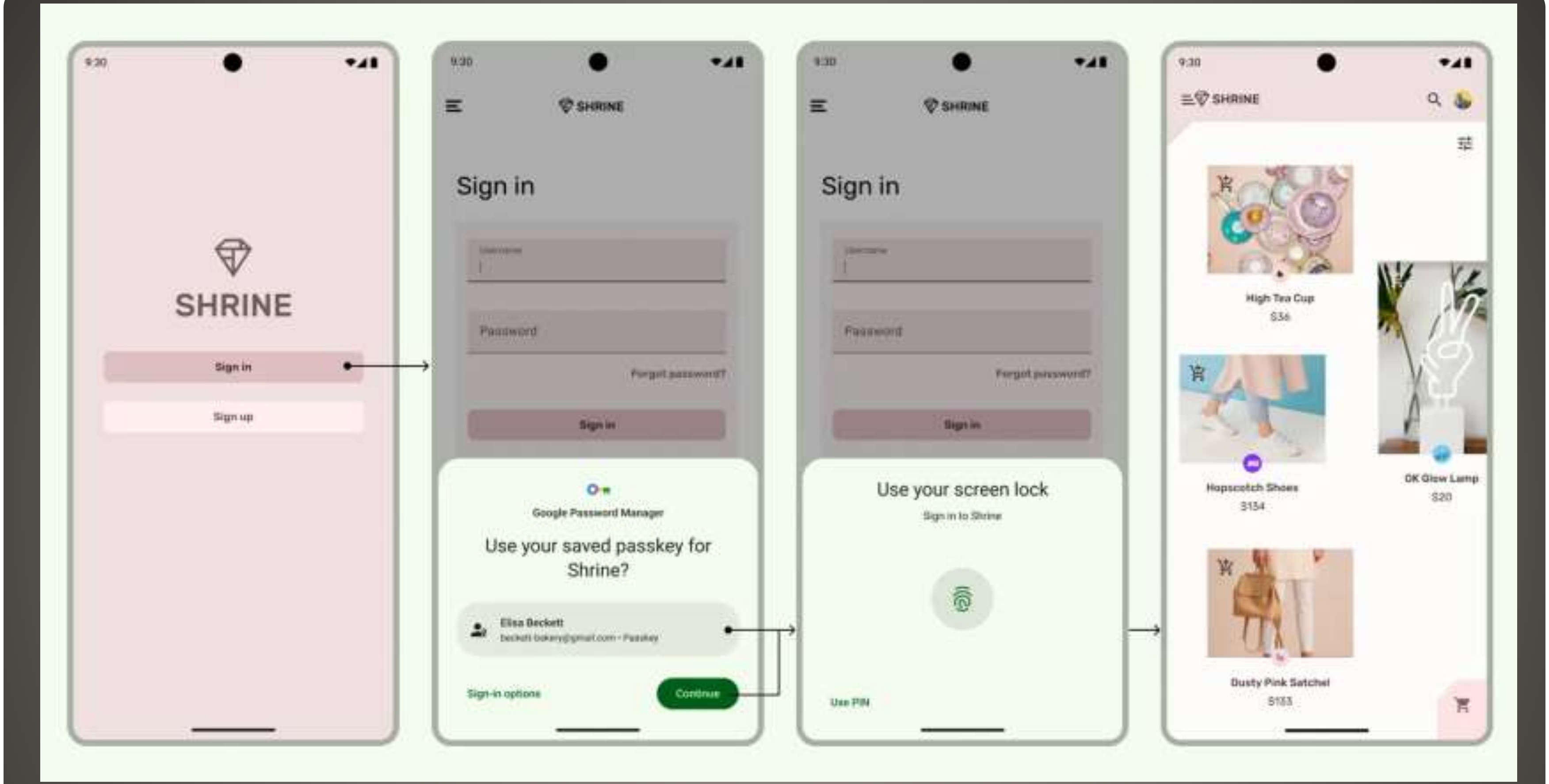
We'll offer suggestions on how to organize your tabs so that you can browse with ease

Address bar and search >

Manage search suggestions and search engine used in the address bar

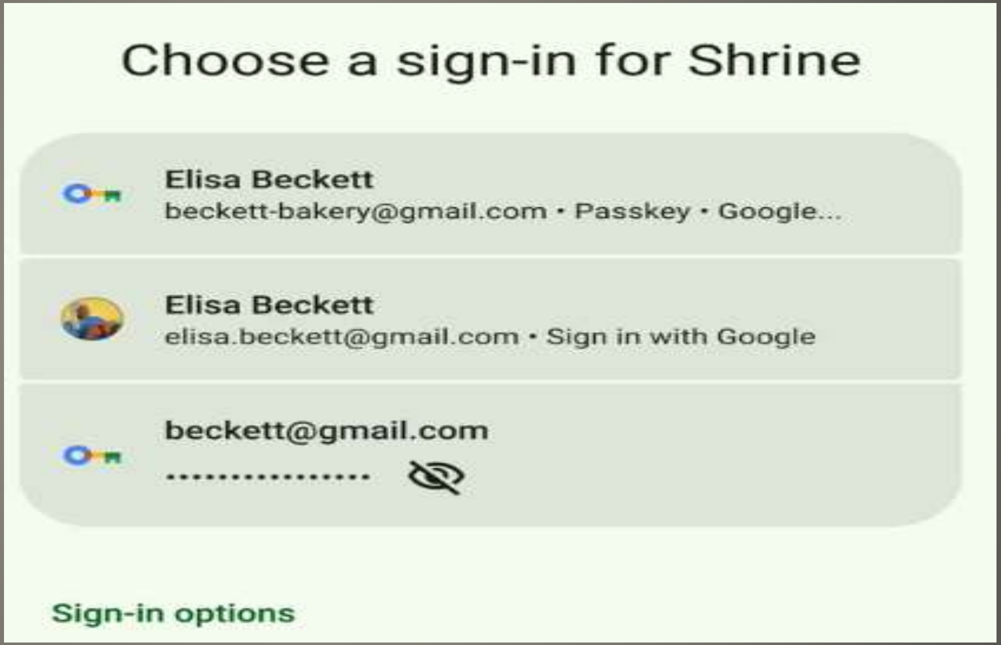
Save screenshots of site for History

We'll take screenshots of the sites you visit and save it so that you can quickly revisit the site you want from history.



# Google Credential Manager Android API

- Web sites support
- Beta testing other password managers
- Android 14



Choose a sign-in for Shrine

Elisa Beckett
beckett-bakery@gmail.com • Passkey • Google...

Elisa Beckett
elisa.beckett@gmail.com • Sign in with Google

beckett@gmail.com
••••••••••••••••

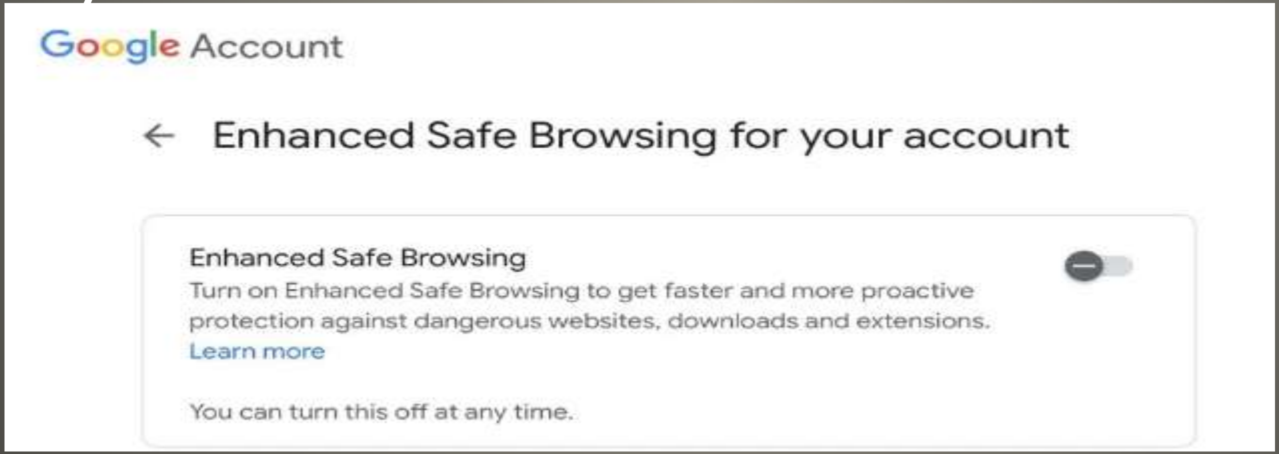
Sign-in options

# Google Credential Manager Android API

- any entity who is able to obtain access, even transient access, to your eMail flow obtains unfettered access to your entire online life

# Multiple Multiple Multiple

- “improve your security in Google Chrome and Gmail when you're signed in,” “temporarily associates” this information with your Google account to help protect across Google apps.
- May 2020



Google Account

← Enhanced Safe Browsing for your account

Enhanced Safe Browsing

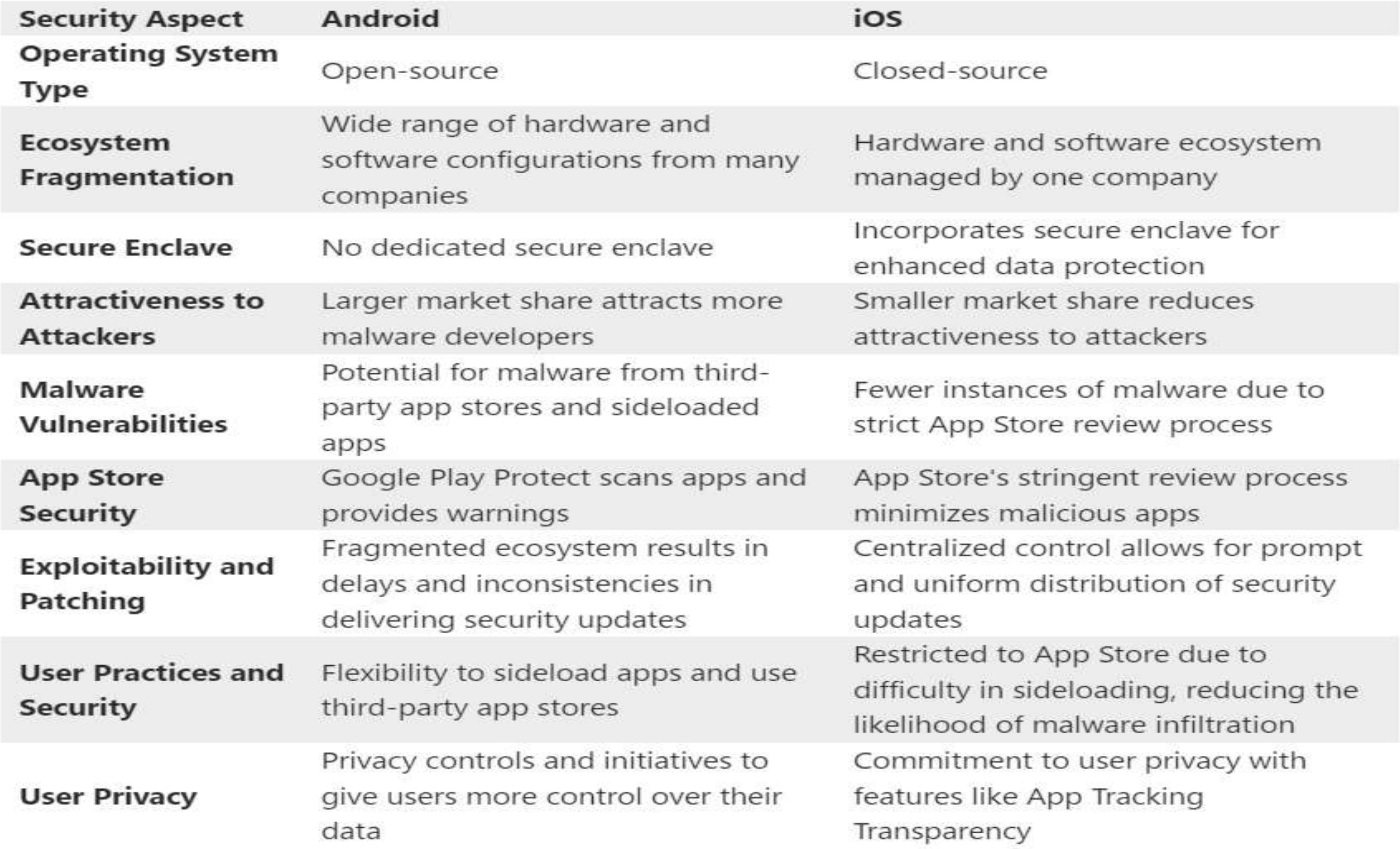
Turn on Enhanced Safe Browsing to get faster and more proactive protection against dangerous websites, downloads and extensions.

Learn more

You can turn this off at any time.

# Gmail Enhanced Security

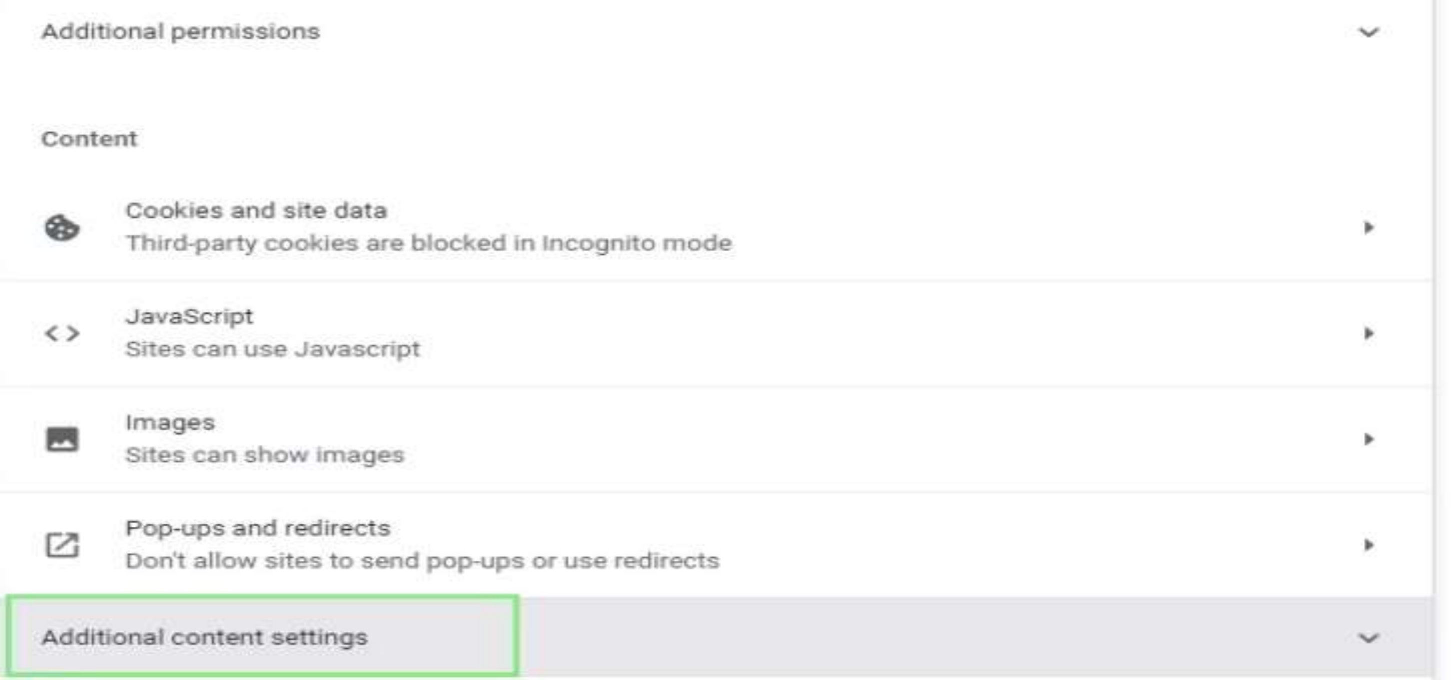
# Android vs. iOS: Security Comparison



| Security Aspect | Android | iOS |
|---|---|---|
| **Operating System Type** | Open-source | Closed-source |
| **Ecosystem Fragmentation** | Wide range of hardware and software configurations from many companies | Hardware and software ecosystem managed by one company |
| **Secure Enclave** | No dedicated secure enclave | Incorporates secure enclave for enhanced data protection |
| **Attractiveness to Attackers** | Larger market share attracts more malware developers | Smaller market share reduces attractiveness to attackers |
| **Malware Vulnerabilities** | Potential for malware from third-party app stores and sideloaded apps | Fewer instances of malware due to strict App Store review process |
| **App Store Security** | Google Play Protect scans apps and provides warnings | App Store's stringent review process minimizes malicious apps |
| **Exploitability and Patching** | Fragmented ecosystem results in delays and inconsistencies in delivering security updates | Centralized control allows for prompt and uniform distribution of security updates |
| **User Practices and Security** | Flexibility to sideload apps and use third-party app stores | Restricted to App Store due to difficulty in sideloading, reducing the likelihood of malware infiltration |
| **User Privacy** | Privacy controls and initiatives to give users more control over their data | Commitment to user privacy with features like App Tracking Transparency |

- Extensions
- Settings
- Privacy and security > Site Settings

Content > Additional context settings



Additional permissions

Content

Cookies and site data
Third-party cookies are blocked in Incognito mode

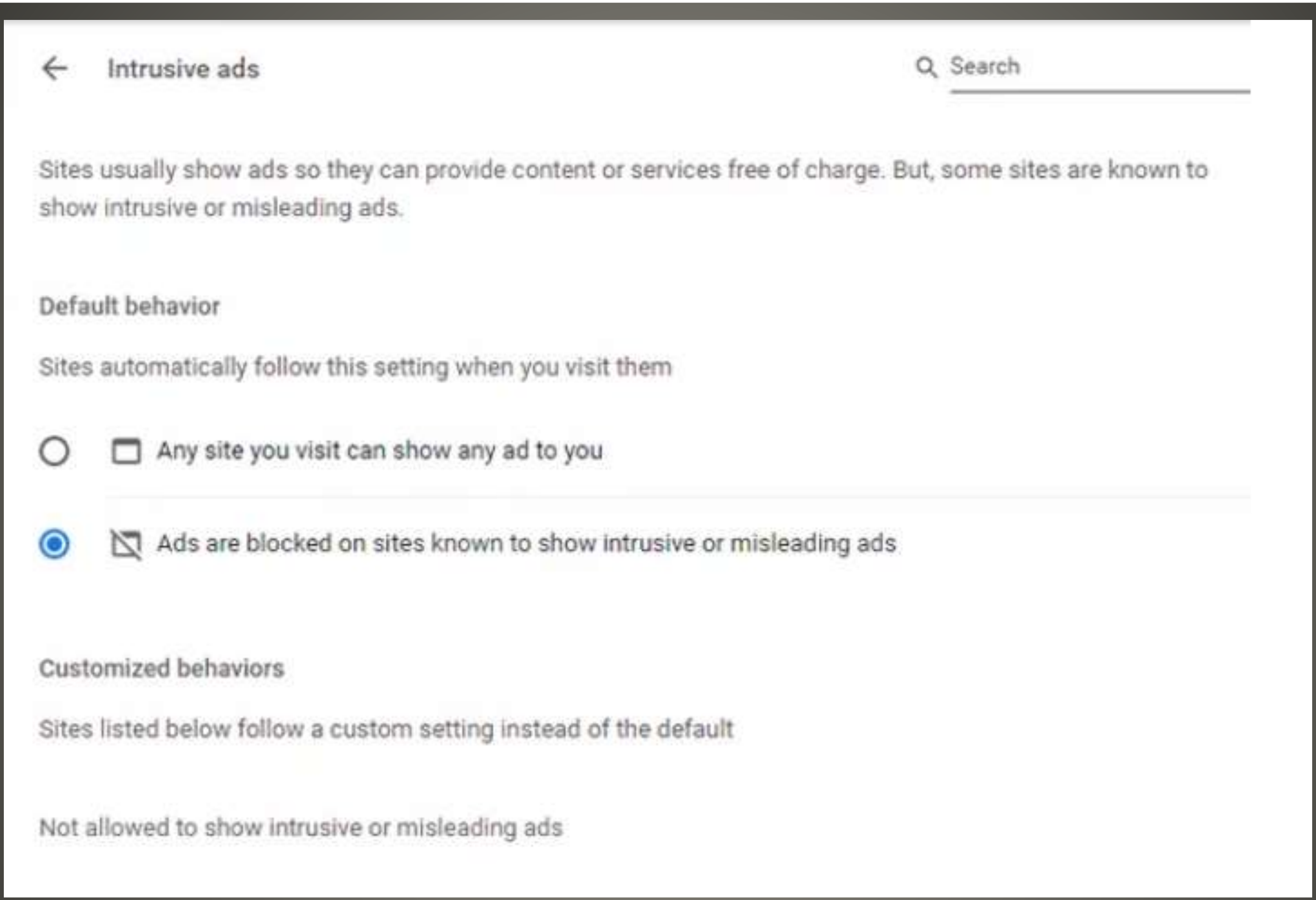
JavaScript
Sites can use Javascript

Images
Sites can show images

Pop-ups and redirects
Don't allow sites to send pop-ups or use redirects

Additional content settings

# Google Chrome Ad control



Sites usually show ads so they can provide content or services free of charge. But, some sites are known to show intrusive or misleading ads.

Default behavior

Sites automatically follow this setting when you visit them

○ Any site you visit can show any ad to you

● Ads are blocked on sites known to show intrusive or misleading ads

Customized behaviors

Sites listed below follow a custom setting instead of the default

Not allowed to show intrusive or misleading ads

# Google Chrome Ad Control

- Now (August 8) End-to-End encryption
- Android <-> Android
- Now the default
- Includes group chats
  BUT NOT iMessage
  even 1 iMessage user turns off encryption
- Rich Communications Services (RCS)
- Check RCS in Settings

WhatsApp, Signal, Telegram, iMessage

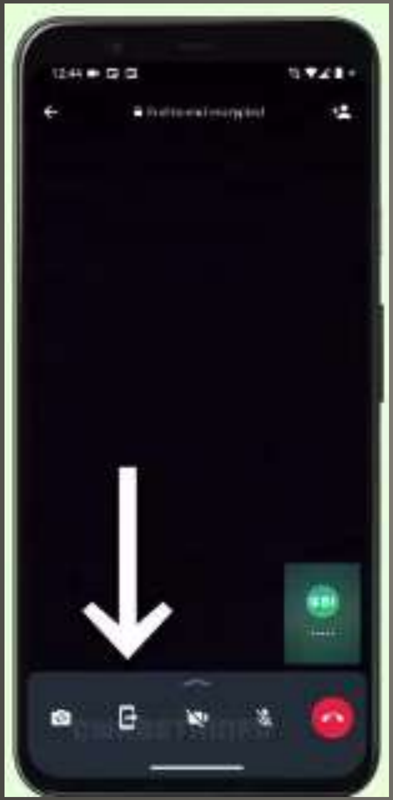
# Google Messages

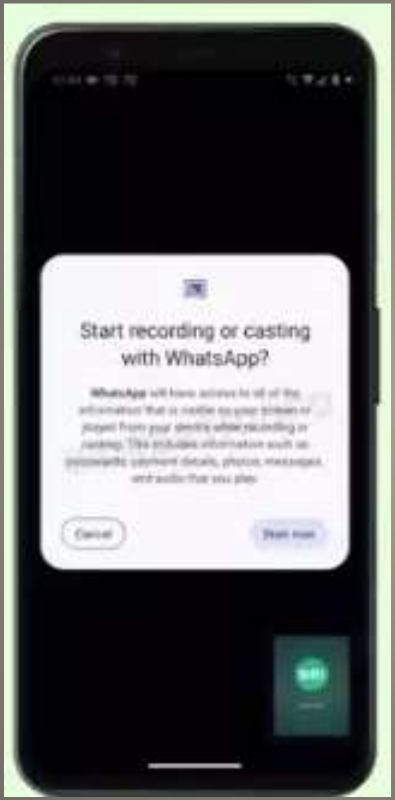
- $549 million
- 1934 Securities Exchange Act

- Self-report, cooperate, remediate

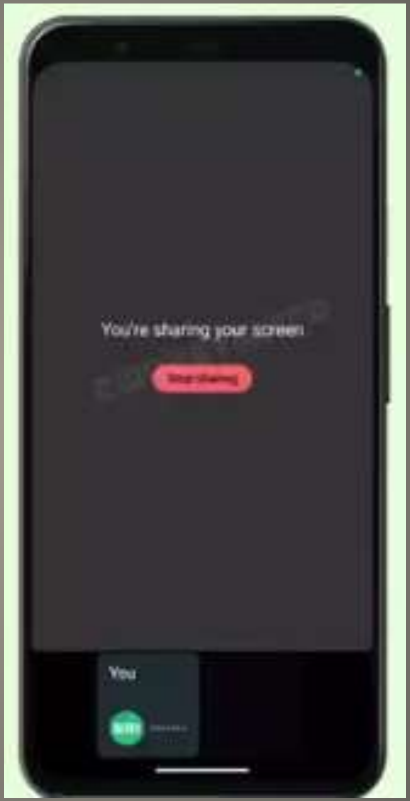
# Financial Institutions fined Using iMessage and Signal

- Screen Sharing

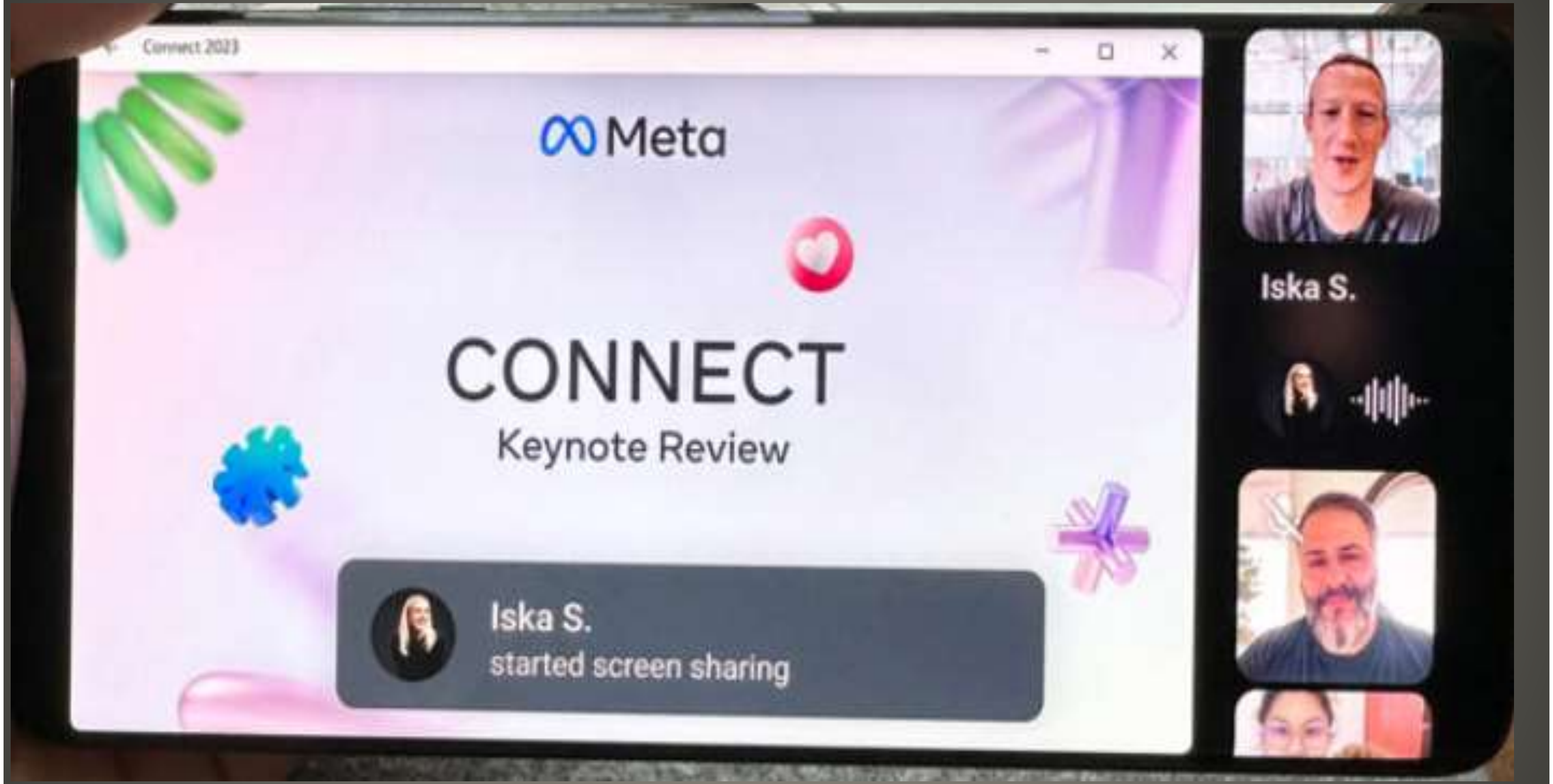



Start recording or casting with WhatsApp?

WhatsApp will have access to all of the information that is visible on your screen or played from your device while recording or casting. This includes information such as passwords, payment details, photos, messages and audio that you play.



# WhatsApp



Iska S.
started screen sharing

# WhatsApp Screen Sharing

- Screen Lock

  Conversations behind locked screen
- MFA 2-step Authentication

  6-digit pin
- Security Notifications

# WhatsApp

# NRO Anti-Scam

- Latest Anti-fraud Alert

- Voice Scams
- By now you have probably seen news reports of the new improved version of grandparent scams. In the older version, you got a call from someone claiming to be your grandchild, telling you about an emergency and why they needed you to send money asap. The caller’s voice was probably muffled, and the caller might have explained that away by saying, for example, that his or her nose was broken in “the accident.”
- Those were scary enough. Now though, scammers are using AI to do voice cloning. Now the caller can sound EXACTLY like your grandchild or other relative or friend. Some writers suggest that you and your grandchildren agree on a password or passphrase now, so that if you receive a call about an emergency, you can ask for the password or passphrase.
- Voice cloning raises another problem as well. Scammers can also obtain a recording of your voice, simply by getting you to talk on the phone. Unfortunately, AI voice cloning is now good enough to fool voice recognition systems. Recent articles say that for a few dollars, anyone with an internet connection and a recording of another person’s voice can synthesize that voice in a few minutes. So, if you use voice recognition as part of your authentication process for accessing any of your financial or other important accounts, you should consider using or adding a different factor.
- More scams targeting seniors start with a phone call than any other method. If you need yet another reason to stop answering phone calls from people you do not know, remember that the stranger calling you may be recording your voice.

- Google Chrome to release weekly updates
  Was 15 days
- Executive order to limit investments
  China sectors
  semiconductors & microelectronics
  quantum information technologies
  certain artificial intelligence
- NightOwl app enables Users to share internet traffic by modifying their device’s network settings to be used as a gateway for internet traffic. Additionally, the User’s device acts as a gateway for NightOwl app’s Clients, including companies that specialize in web and market research, SEO, brand protection, content delivery, cybersecurity, etc. systems
- NightOwl Mac app Now malicious

# Current Issues

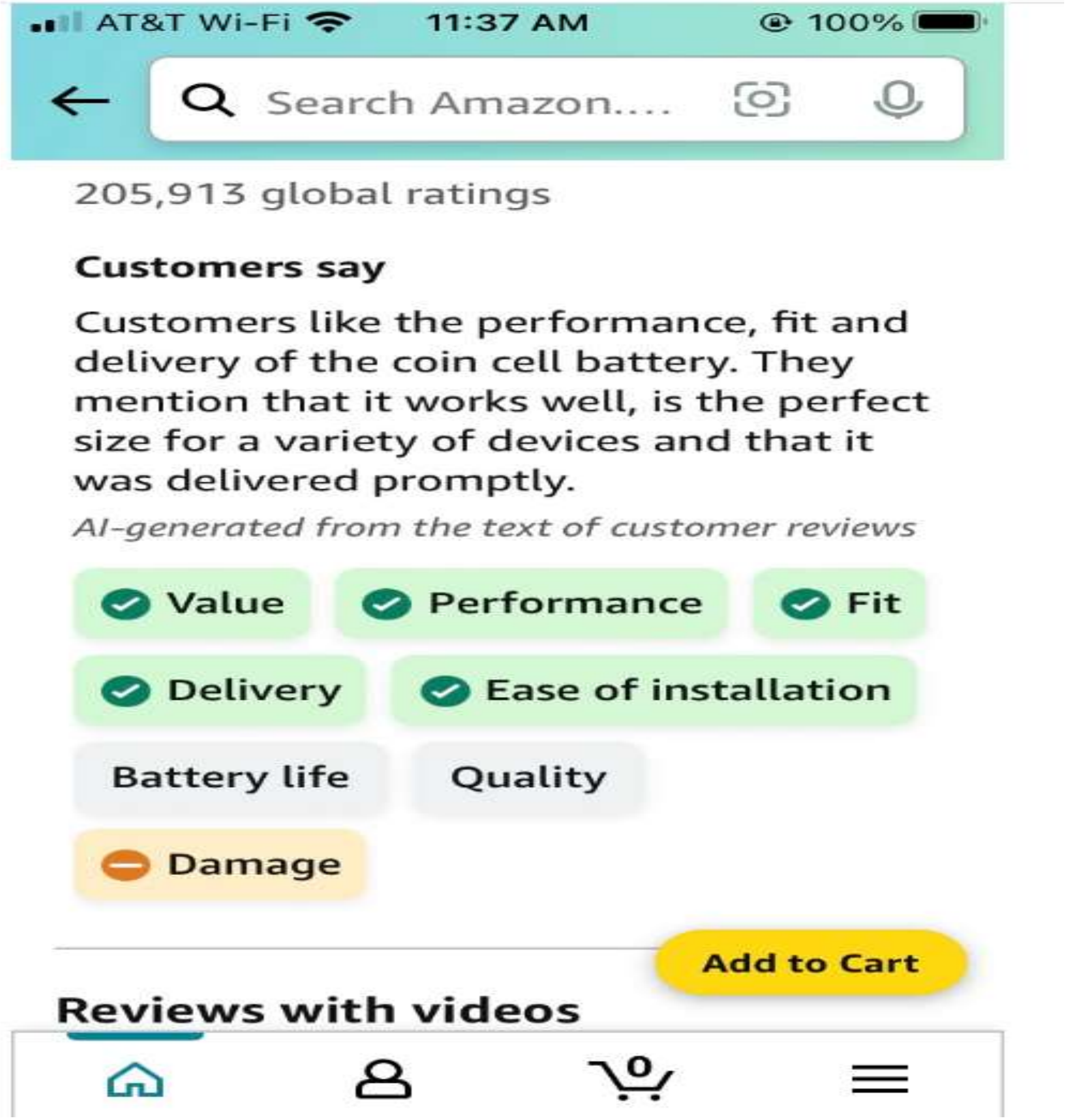
- AIxCC
- Biden administration  August 9, 2023
- Major 2-year competition
- DARPA led
- Major collaborators
- $20M in prizes/awards
- Qualifying event Spring 2024
- Top teams DEF CON 2024
- Final phase DEF CON 2025
- Winning codes implemented “right away”
- Executive order -  legislation

Help America lead the way in responsible AI innovation

# AI Cyber Challenge

- Large numbers of reviews
- *Read reviews that mention*
- Amazon mobile app

# Amazon AI *Reviews summarizer*



205,913 global ratings

**Customers say**

Customers like the performance, fit and delivery of the coin cell battery. They mention that it works well, is the perfect size for a variety of devices and that it was delivered promptly.

*AI-generated from the text of customer reviews*

✓ Value ✓ Performance ✓ Fit

✓ Delivery ✓ Ease of installation

Battery life Quality

⊖ Damage

**Reviews with videos**

- Threat to source content
- Self sabotage?
- CCBot

# GPTbot

# Global Privacy Control

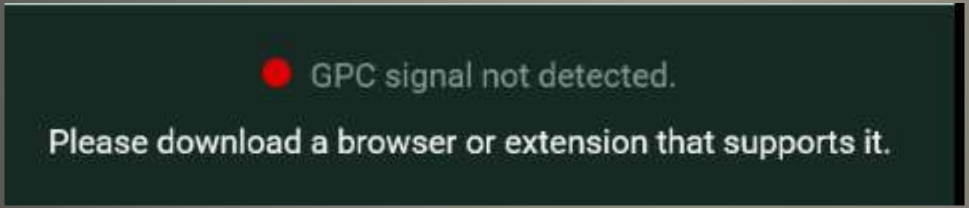
- Firefox, Brave, DuckDuckGo browsers
- May 5, 2022 Cyber Security SIG
- GPC mechanism to inform sites:

  Respect your privacy rights

  Not to be tracked

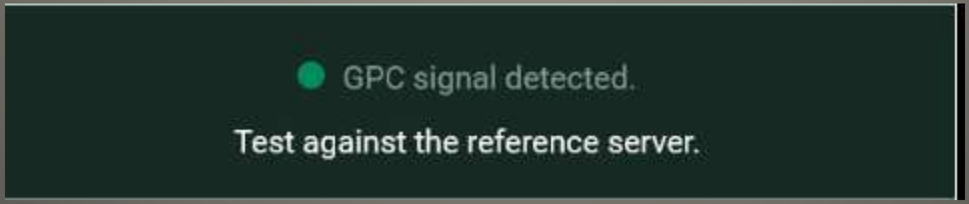
  Data Not sold

https://globalprivacycontrol.org/



● GPC signal not detected.

Please download a browser or extension that supports it.

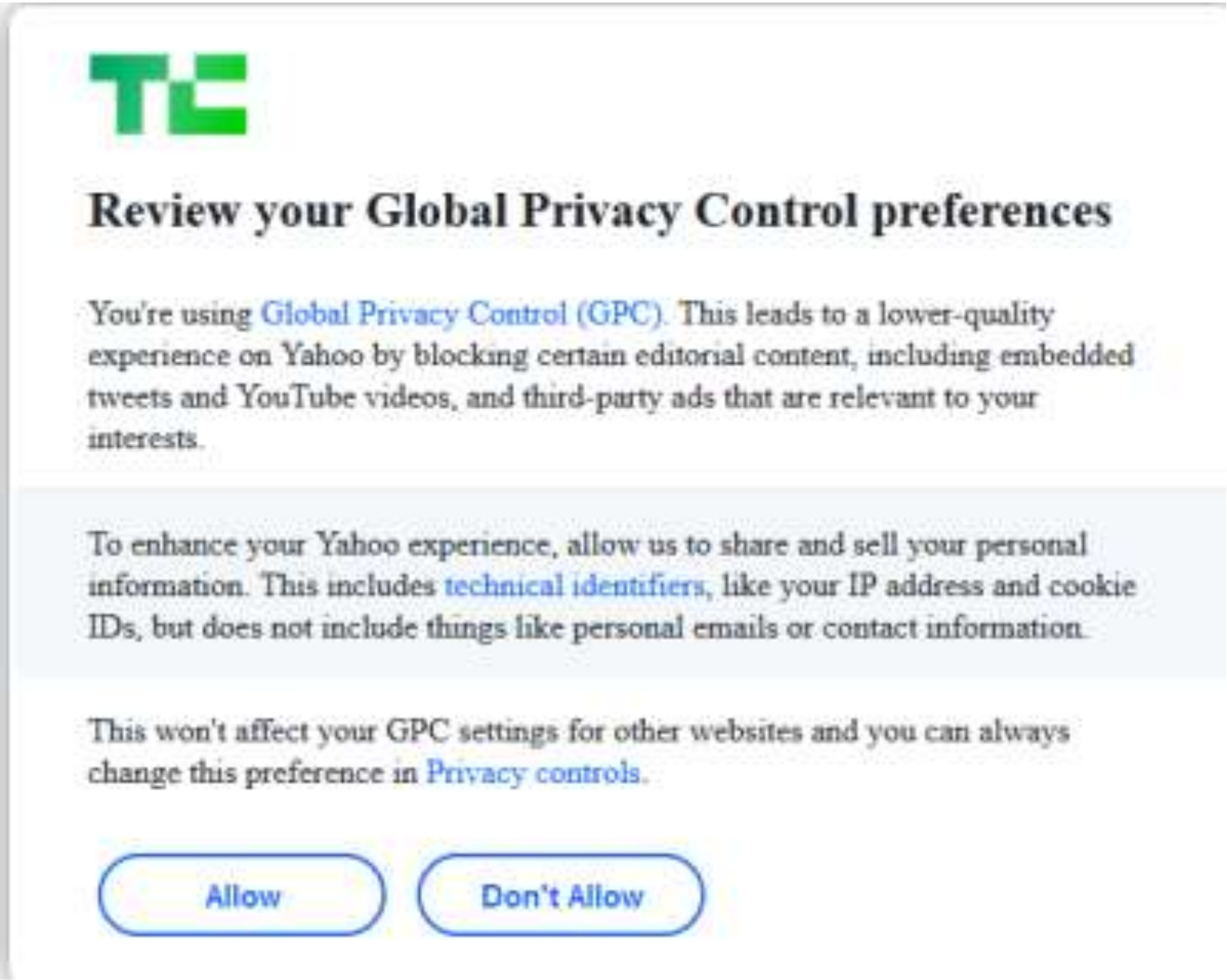


● GPC signal detected.

Test against the reference server.

- Control??

# Global Privacy Control



## Review your Global Privacy Control preferences

You're using Global Privacy Control (GPC). This leads to a lower-quality experience on Yahoo by blocking certain editorial content, including embedded tweets and YouTube videos, and third-party ads that are relevant to your interests.

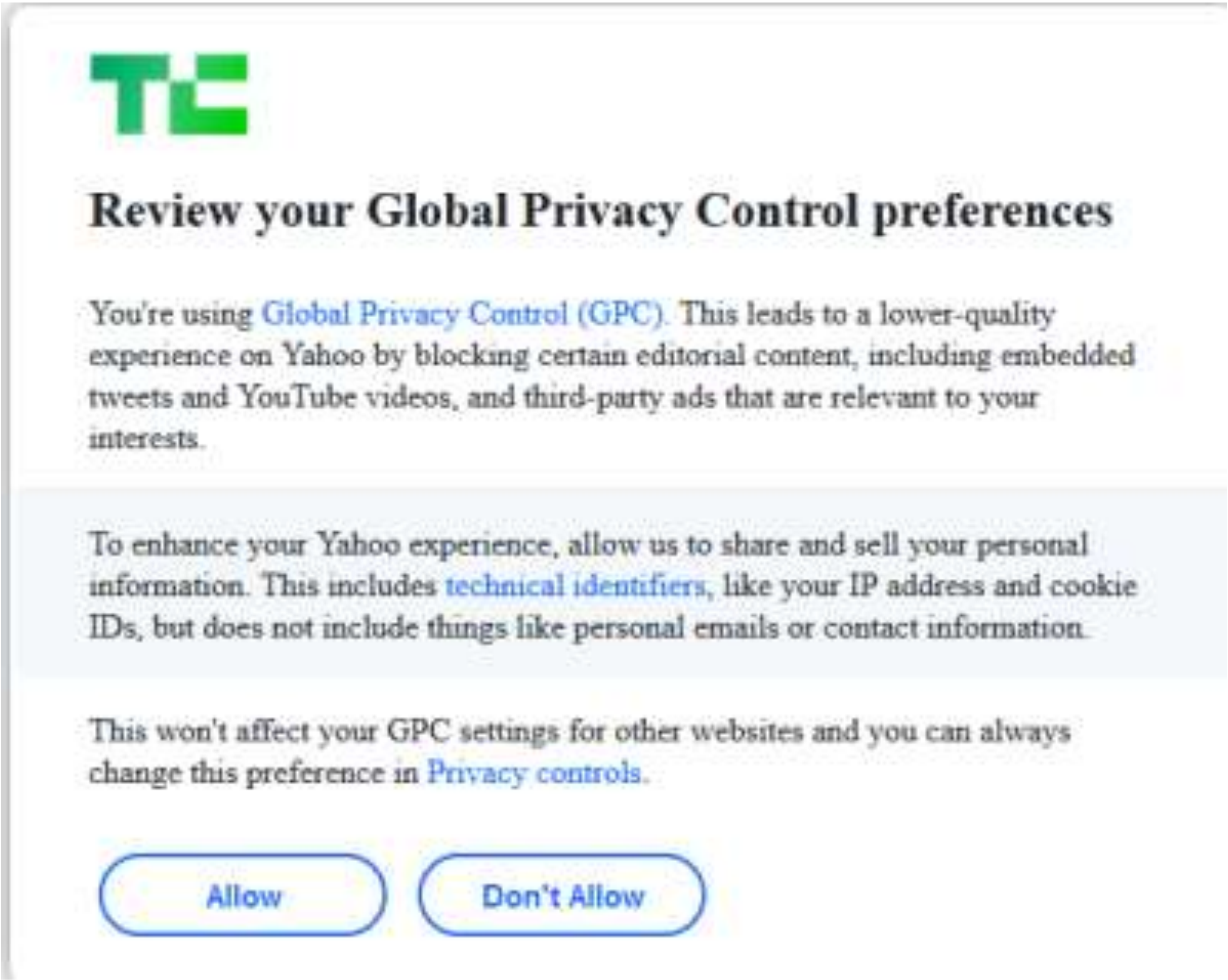
To enhance your Yahoo experience, allow us to share and sell your personal information. This includes technical identifiers, like your IP address and cookie IDs, but does not include things like personal emails or contact information.

This won't affect your GPC settings for other websites and you can always change this preference in Privacy controls.

# TechCrunch

- Online news  High Tech & Startup
- Acquired by AOL 2010
- Verizon purchased AOL & Yahoo 2015
- 2012 Verizon sold AOL, Yahoo, TechCrunch to Apollo Global Management

  Yahoo! Inc



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# Review of Review

- After link to TechCrunch
- Black overlay

lower quality experience
blocking certain editorial content
third-party ads

***To enhance your Yahoo experience, allow us to share and sell your personal information.***

***This includes technical identifiers***
***https://legal.yahoo.com/us/en/yahoo/privacy/technical-identifiers/index.html***

# Global Privacy Control

- Identifiers => You, Family, coworkers, …

- Yeahbut  I use Do Not track
- Do Not Track >> More trackable
- Privacy laws
- California Consumer Privacy Act
- California Privacy Rights Act
- Nevada, Utah, Colorado, Virginia, Connecticut
- GPC privacy     DNT tracking

- Browser Test

https://globalprivacycontrol.org/orgs

# Global Privacy Control

- Helpful < - > Harmful
- Awareness, Preparedness, Understanding

Computer Club, Help Center, SIGs,
Presentations, classes
Cyber Security SIG meetings, NEWSBLOG
Internet

- Questions, suggestions, comments?

**SCCCCyber@gmail.com**