



Alan German & Chris Taylor

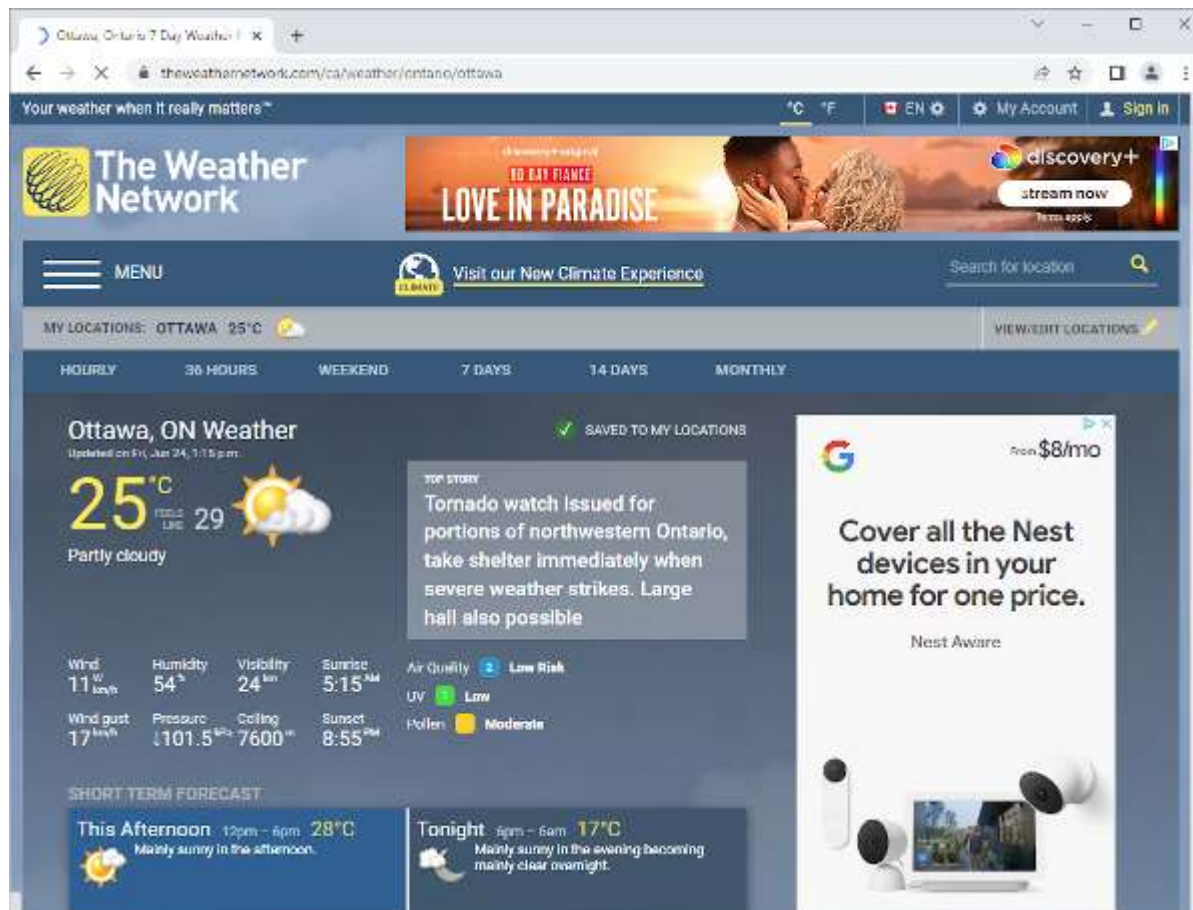
Ottawa PC Users' Group

June 29, 2022

Follow-up

Chrome and The Weather Network

No connection issue with new installation of Chrome



The screenshot shows a Chrome browser window displaying the The Weather Network website for Ottawa, Ontario. The browser's address bar shows the URL theweathernetwork.com/ca/weather/ontario/ottawa. The website header includes the logo, a menu, and a search bar. The main content area displays the current weather for Ottawa, ON, as 25°C with a partly cloudy icon. Below this, there are details for wind, humidity, visibility, sunrise, and sunset. A 'TOP STORY' section mentions a tornado watch for portions of northwestern Ontario. A 'SHORT TERM FORECAST' section shows the weather for 'This Afternoon' (12pm - 6pm) as 28°C and 'Tonight' (6pm - 6am) as 17°C. A sidebar on the right features a Google search bar and a Nest Aware advertisement.

Ottawa, ON Weather
Updated on Fri, Jun 24, 1:13 p.m.
25°C
Feels like 29
Partly cloudy

Wind 11 km/h
Humidity 54%
Visibility 24 km
Sunrise 5:15 AM
Sunset 8:55 PM

TOP STORY
Tornado watch issued for portions of northwestern Ontario, take shelter immediately when severe weather strikes. Large hail also possible

SHORT TERM FORECAST
This Afternoon 12pm - 6pm 28°C
Mainly sunny in the afternoon.
Tonight 6pm - 6am 17°C
Mainly sunny in the evening becoming mainly clear overnight.

Cover all the Nest devices in your home for one price.
Nest Aware

Follow-up

The image features a word cloud on a blue background with circuit-like patterns. The words are in various sizes and orientations, primarily in shades of white and light blue. The most prominent words are 'DATA', 'PRIVACY', and 'LAW'. Other visible words include 'Data breach', 'record', 'Protection', 'anonymous', 'Metadata', 'Regulations', 'Information', 'Authentication', 'compliance', 'Risk', 'Sensitive', 'Patient privacy', 'Privacy', 'classification', 'digital', 'used', 'Search', and 'Data'.

DATA
PRIVACY
LAW

Data breach
record
Protection
anonymous
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Sensitive
Patient privacy
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classification
digital
used
Search
Data

Privacy On the Internet

A little while ago I did a series of presentations on 'Privacy On the Internet'.



Virtual Learning Apps Track and Share Your Kids' Data

A report from Human Rights Watch shows that millions of students who participated in virtual learning during the Covid-19 pandemic had their personal data and online behaviors tracked by educational apps and websites without their consent, and in many cases this personal data was shared with third-party advertising technology companies.

Virtual Learning Apps Track and Share Your Kids' Data

Of the 164 products reviewed across 49 countries, Human Rights Watch found 146 (89%) appeared to engage in data practices that *"risked or infringed on children's rights."*

These practices included monitoring or having the ability to monitor children without the students' or parents' consent, and collecting a range of personal data, according to the report, such as their identity, location, their online activity and behaviors, and information about their family and friends.

Virtual Learning Apps Track and Share Your Kids' Data

Children, parents, and teachers were largely kept in the dark, but even if they had known what was going on, they had no choice.

Children had to either use these products and pay for it with their privacy, or be marked as absent and drop out of school during Covid-19.

The majority of the apps and websites examined by Human Rights Watch sent information about children to Google and Facebook, which collectively dominate the digital advertising market, as well as several other AdTech companies.

Virtual Learning Apps Track and Share Your Kids' Data

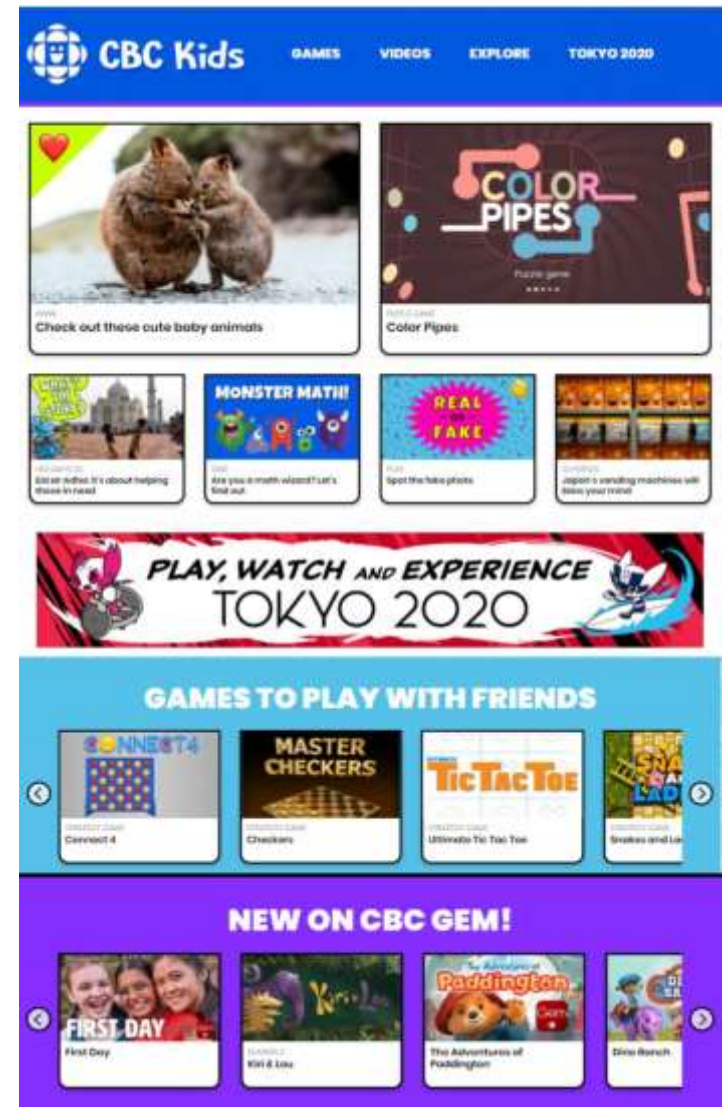
Most of the online learning platforms installed tracking technologies that trailed children outside of their virtual classrooms and across the internet, over time.

Some invisibly tagged and fingerprinted children in ways that were impossible to avoid or get rid of, even if children, their parents, and teachers had been aware, and had the desire and digital literacy to do so.

Virtual Learning Apps Track and Share Your Kids' Data

One of the worst offenders is CBC Kids, endorsed and promoted by schools and government.

Human Rights Watch found 29 third-party trackers collecting and sending data about children to 18 AdTech companies.



Virtual Learning Apps Track and Share Your Kids' Data

The kids are back in school, so what's the problem?

- (1) Some of these apps are being used in the classroom**
- (2) The digital fingerprinting these apps enabled continues to track the kids online activity**
- (3) Any uptick in COVID due to a new variant, an expected increase in cases come the fall, etc. could lead to a return to distance education**

Virtual Learning Apps Track and Share Your Kids' Data

FOR MORE INFORMATION:

Virtual learning apps tracked and shared kids' data and online activities with advertisers, report says

<https://www.cnn.com/2022/05/26/tech/remote-learning-apps-data-collection/index.html>

"How Dare They Peep into My Private Life?": Children's Rights Violations by Governments that Endorsed Online Learning During the Covid-19 Pandemic

<https://www.hrw.org/report/2022/05/25/how-dare-they-peep-my-private-life/childrens-rights-violations-governments>

Governments Harm Children's Rights in Online Learning

<https://www.hrw.org/news/2022/05/25/governments-harm-childrens-rights-online-learning>

Mental Health Apps Are Listening

Those who rely on Mental Health apps trust them with their most sensitive and personal information.

That's why it was so disturbing to discover that of the 32 mental health apps reviewed by the Mozilla Foundation, 26 received their '*Privacy Not Included*' warning label, indicating strong concerns over how they manage people's personal information.

For more information:

<https://foundation.mozilla.org/en/privacynotincluded/categories/mental-health-apps/>

Tim Hortons App Collected Vast Amounts of Sensitive Data

The Tim Hortons mobile ordering app violated the law by collecting vast amounts of location information from customers.

People who downloaded the Tim Hortons app had their movements tracked and recorded every few minutes, even when the app was not open on their phones.

The investigation came after National Post reporter James McLeod obtained data showing the Tim Hortons app on his phone had tracked his location more than 2,700 times in less than five months.

Tim Hortons App Collected Vast Amounts of Sensitive Data

The app used location data to infer where users lived, where they worked and whether they were travelling. It generated an 'event' every time users entered or left a Tim Hortons competitor, a major sports venue or their home or workplace.

Geolocation data is incredibly sensitive because it paints such a detailed and revealing picture of our lives.

Surveillance of our everyday movements reveals where people live and work, as well as information about visits to a medical clinic or place of worship. It can be used to make deductions about sexual preferences, social and political affiliations, and much more.

Tim Hortons App Collected Vast Amounts of Sensitive Data

Tim Hortons has agreed to implement recommendations that the company:

- delete any remaining location data and direct third-party service providers to do the same;**
- establish and maintain a privacy management program for apps; and**
- report on measures it has taken to comply with the recommendations.**

For more information:

<https://www.ctvnews.ca/business/tim-hortons-app-collected-vast-amounts-of-sensitive-data-privacy-watchdogs-1.5927716>



How do I...

10. Make an audio recording?

Two Options (phone dependent)

- (1) Built-in (default) app
- (2) Third-party app
(from the Play Store)



Third-Party App

Easy Voice Recorder

<https://play.google.com/store/apps/details?id=com.coffeebeanventures.easyvoicerecorder>



Easy Voice Recorder

Digipom Productivity

★★★★★ 472,781

Everyone

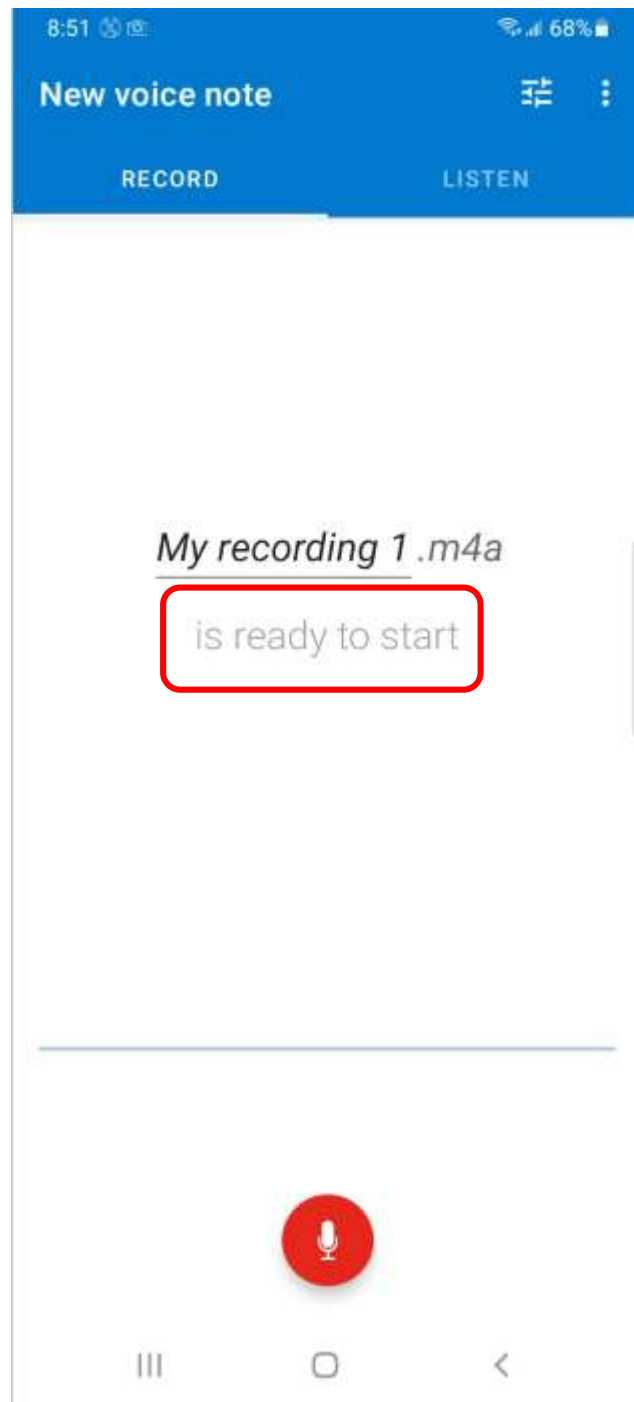
Contains ads · Offers in-app purchases

 Add to wishlist

Install

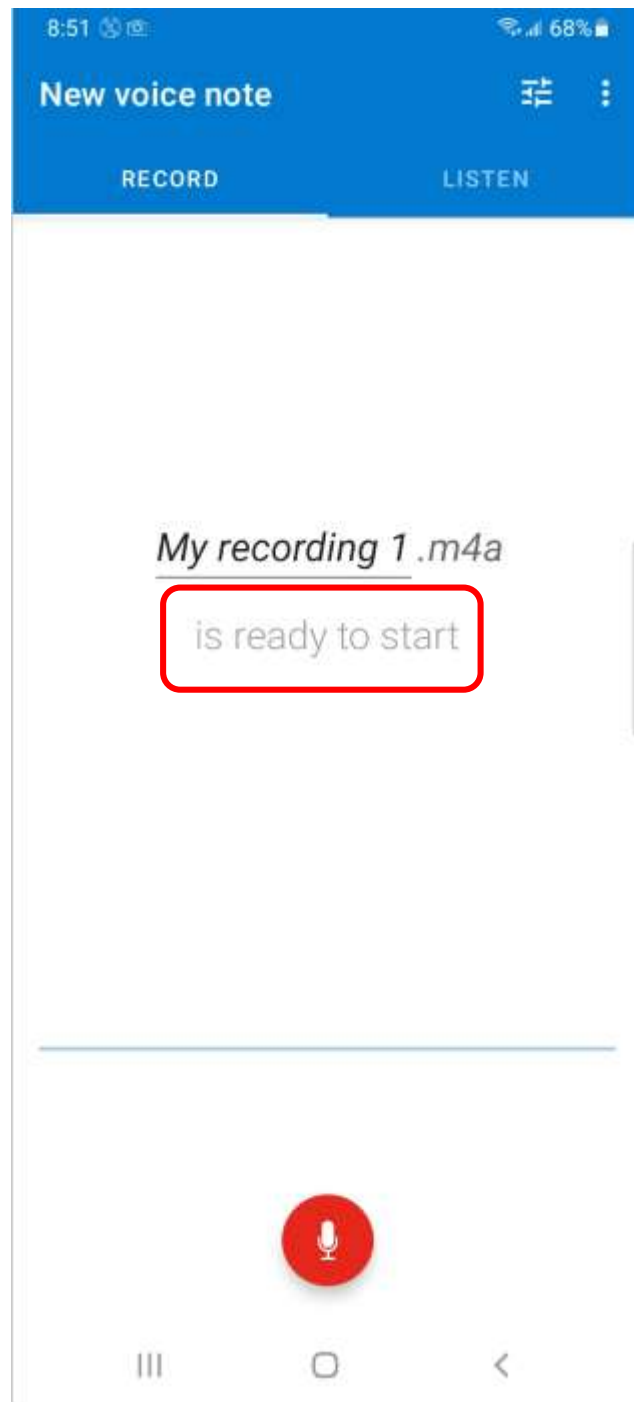
Easy Voice Recorder (YouTube video)

<https://www.youtube.com/watch?v=k7iwZE2l2kU>



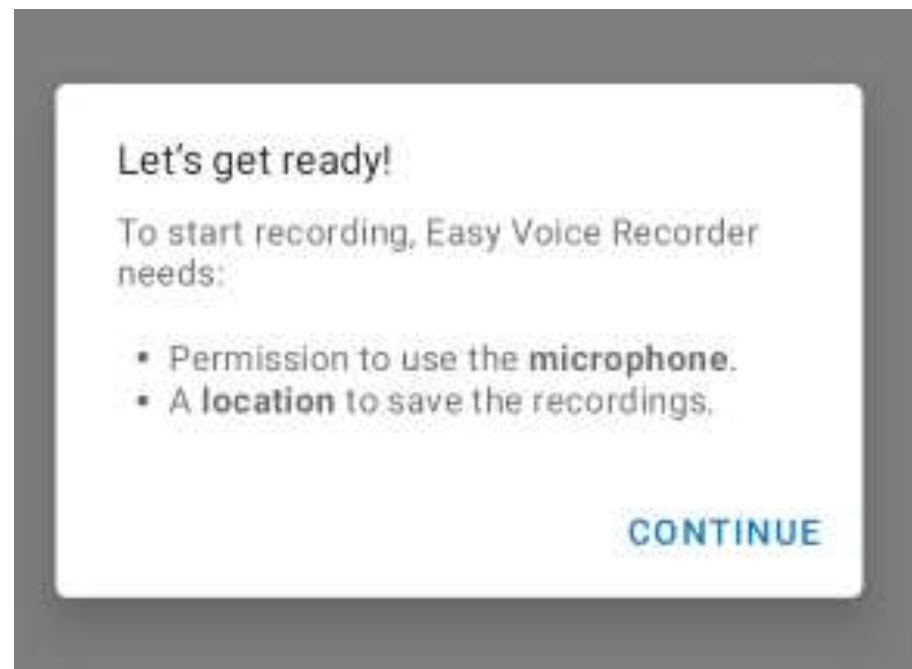
...ready to start

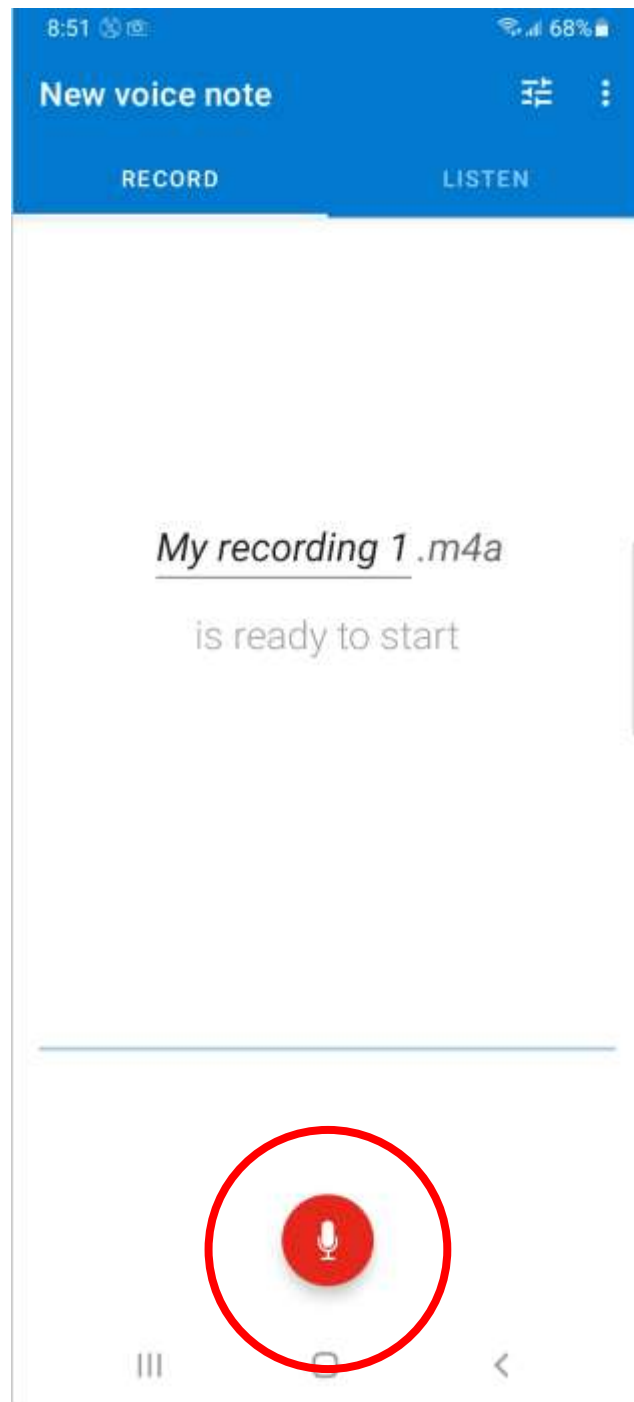
Well, almost!



...ready to start

Well, almost!

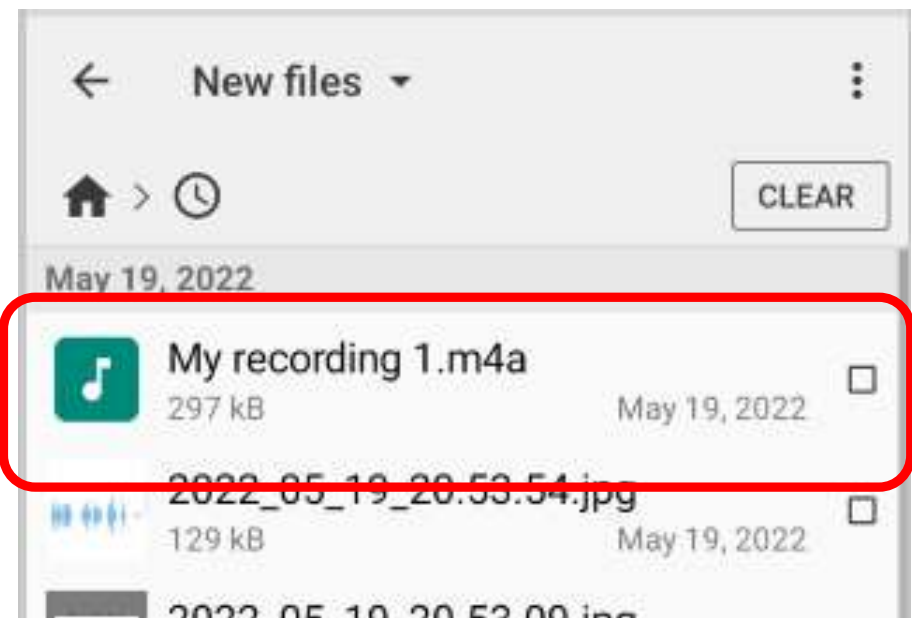


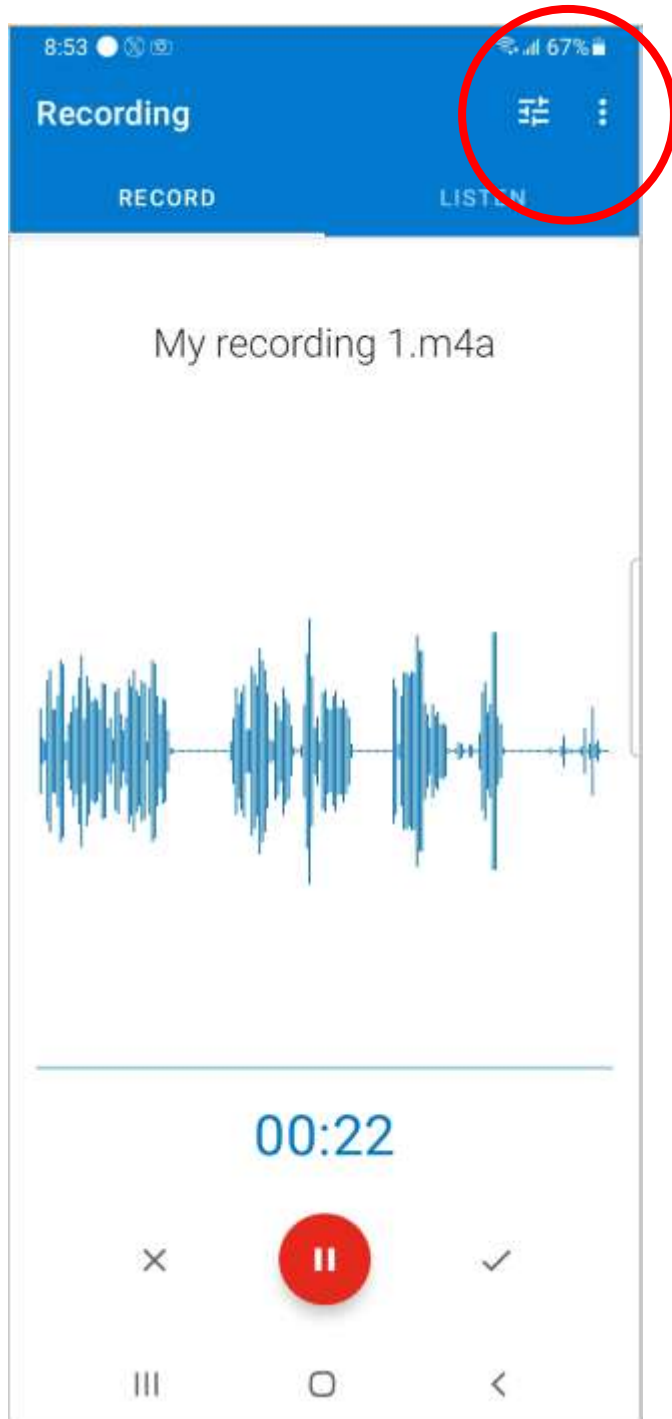


Start/pause toggle



Start a new recording
(Save current recording)





Options:

- System auto gain

- Cancel echo

- Reduce noise

- Recording information

Settings:

- Sound quality

- Tuning (e.g. file format)

- Interface (e.g. themes)

- etc.

Stewart on



Must-have Android Apps

- Every Saturday, Android Authority publishes a list of "*new, must-have*" apps
- Their words, not mine
- Usually they are games, with one or two other flavours mixed in.

ANDROID AUTHORITY

The best ▾ Reviews ▾ Apps & games ▾

APPS

5 Android apps you shouldn't miss this week - Android Apps Weekly

Let's take a look at a new Disney game, Telegram Premium, Samsung Wallet, and more apps news.

<https://www.androidauthority.com/android-apps-weekly-438-3179757/>

Stewart on

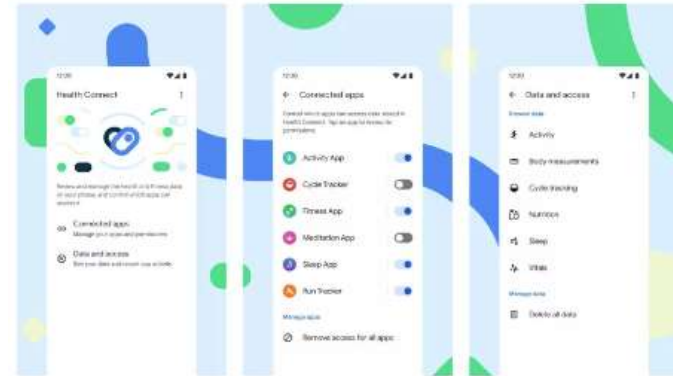


Health Connect by Android

- This week, they report a Google product designed to amalgamate data from all your connected devices and applications - securely.
- They emphasize securely. So, if you are deep in the Android ecosystem and use any health tracking wearables, this app may be for you.

Health Connect by Android

Price: Free



<https://play.google.com/store/apps/details?id=com.google.android.apps.healthdata>

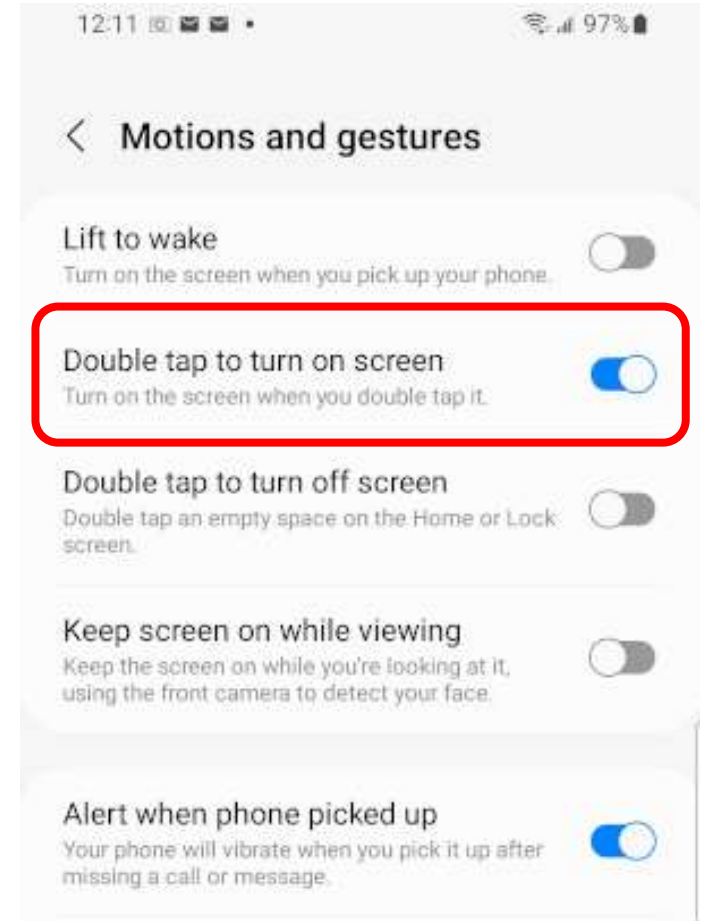
Share

Double-tap in Android

(Well, at least for Samsung)

Settings –
Advanced Features –
Motions and gestures
Double tap to turn on screen

Also - *Double tap to turn off screen* (but display will time out by itself)



Follow-up

Phones and banking

- I want to send an email money transfer from my iPhone
- Do I need special protection software?
- I have a subscription to Norton VPN
 - slows things down so I don't use it



Follow-up

Phones and banking

- We talked about banking from a phone at June 1 Q&A
 - https://opcug.ca/qa_recordings/20220601_PowerPoint.pdf
- Overall conclusion, probably most secure
 - if you keep your device free of malware
 - on mobile network or private Wi-Fi vs. public Wi-Fi
 - using bank's mobile app vs. web browser
 - using multi-factor authentication
- But really...risks are probably quite low

Follow-up

What about a VPN?

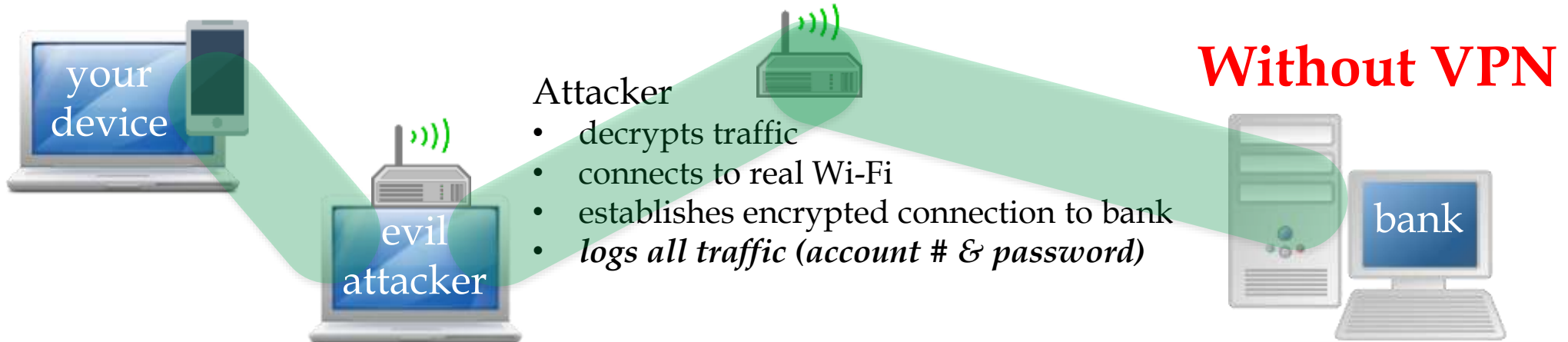
- Follow-up June 15th Q&A Tom pointed to an article
 - *The best privacy and security apps for Android*

<https://www.computerworld.com/article/3269019/best-privacy-security-apps-android.html>

- *add in extra layers of encryption - use a VPN*
- Excellent mitigation for man-in-the-middle (MITM) attacks outlined in June 1 Q&A

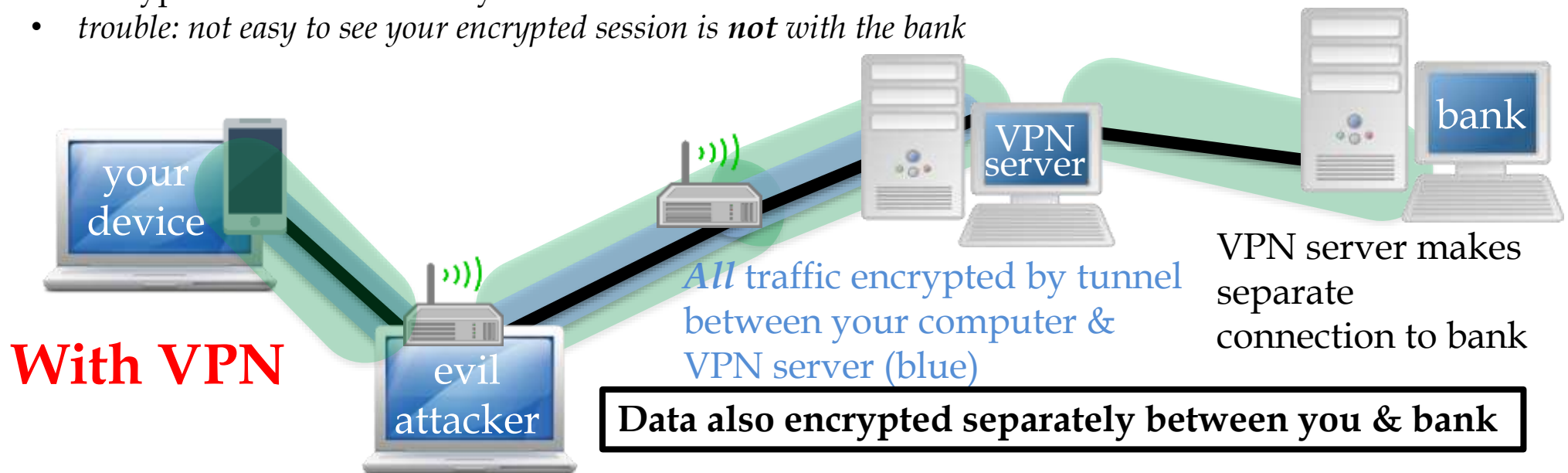
Follow-up

Man-in-the-middle attack



Attacker masquerades as legit Wi-Fi & bank

- encrypted session between you & attacker
- *trouble: not easy to see your encrypted session is **not** with the bank*



You transfer trust to VPN provider – in one sense, they become the MITM

- almost certainly more trustworthy than a MITM attacker! 😊



How do I scan with my iPhone?

- Often I see ads that say scan here for more info
- How do we do that?
- I have an iPhone



A Use a scanning app

- Barcodes are linear
- QR codes are two-dimensional and can hold more information
- Usually, one app will scan both barcodes and QR codes
- For individuals, QR codes often provide the URL of a website, but can contain other information such as E-mail addresses, and text messages



A

Android apps



Barcode Scanner

<https://play.google.com/store/apps/details?id=com.google.zxing.client.android>



Sophos Intercept X for Mobile

<https://play.google.com/store/search?q=sophos%20intercept%20X&c=apps>

A Android apps



Barcode Scanner

<https://play.google.com/store/apps/details?id=com.google.zxing.client.android>



Sophos Intercept X for Mobile

<https://play.google.com/store/search?q=sophos%20intercept%20X&c=apps>

*iPhone Users:
Which iApp do you use?*



Share



- Are you one of the 4.3% of users on Windows 8.1?
- End of support January 10, 2023
 - 6 months away
 - after that—no (promise of) security fixes
- Windows 8.1 users should soon see warnings



Share



Options

Upgrade to Windows 10

- preserve apps and data
- end of support October 14, 2025

Free

Upgrade to Windows 11 (if your hardware supports it)

- preserve apps and data
 - some apps may need to be reinstalled
 - <https://www.youtube.com/watch?v=POMHoGBVH34>
- end of support ???

Free

Switch to Linux

- new apps

Free

Buy a new computer



Accept the risk

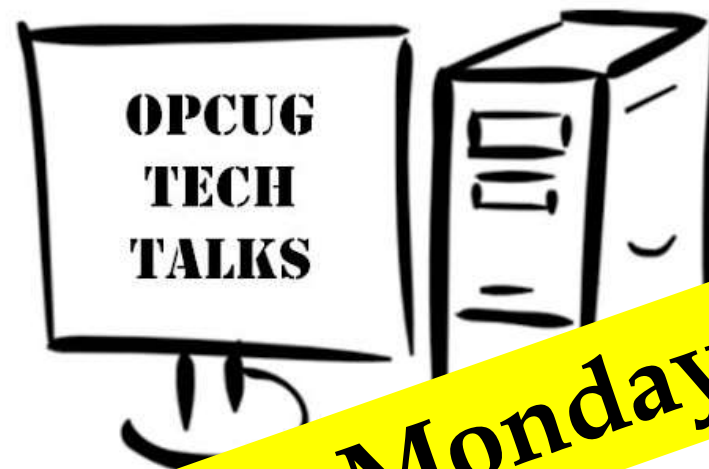




**Any other:
Questions
Comments
Shares?**

Wireless security

July 4th, 7:00 pm



Last Call - For Monday!!

Most wireless routers do not default to the most secure configuration. Make sure you are not the “low hanging fruit” that someone will decide to attack.

It is surprisingly easy to make your router is secure. **Chris Taylor** will show you just how easy it is to do so.



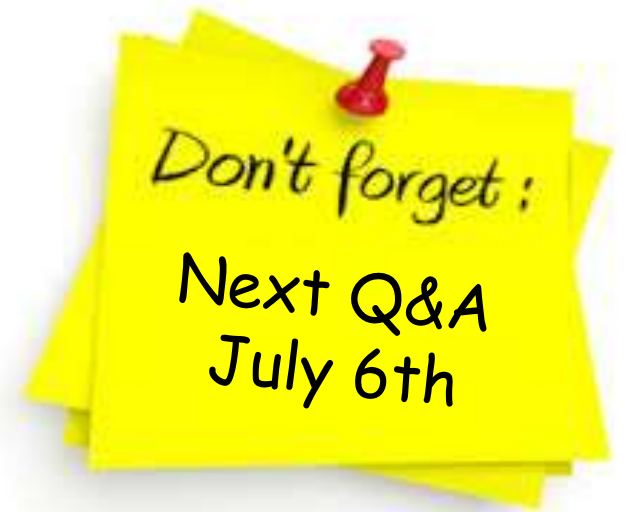
Chris Taylor

Full details at:

<https://opcug.ca/events/wireless/>

Registration required

*Free for OPCUG members
\$20.00 for non-members
(including one-year membership)*



**Send your questions,
answers, and topics
you wish to share to:**

SuggestionBox@opcug.ca

