

Sun City Computer Club

Cyber Security SIG

August 3, 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**

- Chrome 115.0.5790.171
- Firefox 116.0
- Edge 115.0.1901.188
- Vivaldi 6.1.3035.257
- DuckDuckGo 0.46.0
- Safari 16.6 (18615.3.12.11.2)
- Brave 1.56.14
- Tor 12.5

Browser Updates

- Current Chrome Version 115.0.5790.131
- ChromeOS command Shell *crosh*
- Launcher Ctrl+Alt+T

ChromeOS

Command Description	Command
Open Crosh	Ctrl + Alt + T
Ping	ping [domain]
Test memory	memory_test
Configure modem	modem help
Rollback ChromeOS	rollback
Stop a process in Crosh	Ctrl + C
Open Task Manager	top
Battery Manager	battery_test [seconds]
Developer Mode commands	shell, systrace, packet_capture
Users and uptime	uptime
Time settings	set_time
Network diagnostics	network_diag
Network trace	tracpath
Help	help, help_advanced
Memory information	free, meminfo
Switch to the canary channel	live_in_a_coal_mine
Auto-updates over cellular networks	update_over_cellular [enable disable]
Bluetooth debugging	bt_console
Connect through SSH	ssh
Test input devices	evtest
Exit Crosh	exit

- memory_test
- Top
- battery_test
- uptime
- network_diag
- tracepath google.com
- ssh

Commands of note

- Stream Android app to ChromeOS
- Start app on Android phone from ChromeOS
- Close app on Phone – Close on ChromeOS
- App to foreground on Phone – Close on ChromeOS
- Work in Progress
- Your phone model may vary

ChromeOS

- Live Voicemail

Settings > Phone > Live Voicemail

Telemarketers

Other

- Apple further restricts device fingerprinting

iOS 17

- Find the apps using the most bandwidth
- Android
 - Settings > Apps – Show all
 - For each App Mobile data & Wi-Fi
 - Last month default
 - Select date range
 - Many 3rd party apps
- iOS iPadOS
 - Wi-Fi Off
 - Cellular data
 - Apple inhibits Wi-Fi by app reporting
 - 3rd party tools

Wi-Fi usage

- Windows
 - Task Manager
 - App History
 - Settings > Network & Internet
 - Wi-Fi data Usage
- macOS
 - Activity Monitor - real time not historic
- Gaming Consoles
- IoT
- Wi-Fi router
 - Stats

Wi-Fi Usage

- Start December 2023
- Policy Update
- Gmail, Docs, Drive, Meet, Calendar, photos
- “At least two years” inactive
- Security inactive takeover
 - Low percentage using MFA
 - Created, never used
- Review accounts
- Reminder to use on occasion

Google Inactive Account Deletion

- Unauthorized manipulation PhotoGuard
- Theft Watermarking
- PhotoGuard – confuse AI

PhotoGuard

- Safer cross-platform messaging
- End-to-End encryption group chats
- MLS Internet Engineering Task Force
2017 protocol standard
Combat message forging, manipulation,
eavesdropping

**Google Messages to adopt
Message Layer Security (MLS)**

- APIs to replace third-party cookies
- Chrome 116

Google Privacy Sandbox

- Passkeys to unlock password vaults
- TESTING

1Password

- Car carrier fire and fatality
- E-bike repair shop
- FAA reports 74 lithium-ion incidents last year
- Small manufacturing flaws
 - burrs penetrating separator > short circuit
- Uncontrolled self-heating state **Thermal runaway**
- Solid state – electrolyte solid not liquid
- Water based electrolytes

Lithium-Ion Battery fires

To: +63 946 874 3057



iMessage
Today 10:48 AM

The USPS package has arrived at the warehouse and cannot be delivered due to incomplete address information. Please confirm your address in the link.

<https://usps.deliverocy.com>

(Please reply to 1, then exit the SMS, open the SMS activation link again, or copy the link to Safari browser and open it)

The US Postal team wishes you a wonderful day!



Delivered

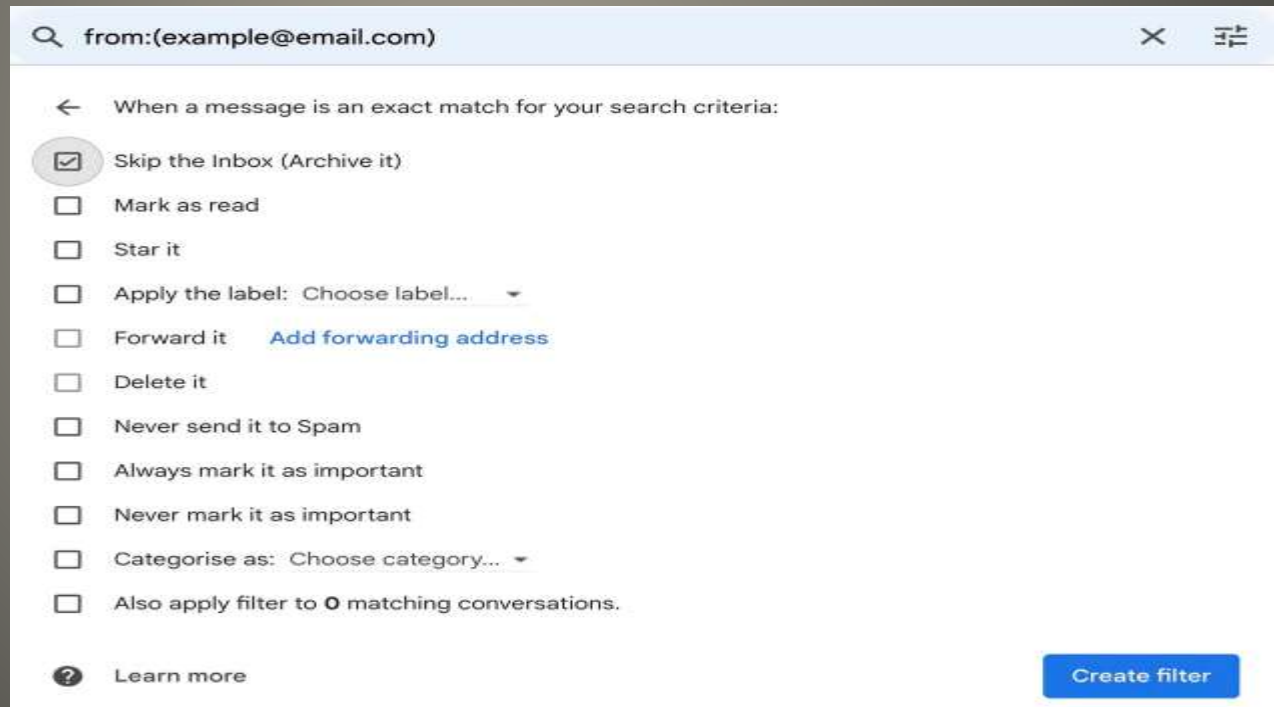
- Satellite Security
Malware use to better defend C&C
- Android to warn of “unknown trackers”
- 7th branch of US military US Cyber Force
- Russia criminalizes open-source contributions
- OneNote files as top malware source
- TETRA:BURST
Handheld radio backdoor
- Hidden Virtual Network Computing hVNC
Malware for macOS
\$60,000
Windows variant
- Incandescent light bulb ban legal to own
Illegal to sell Illegal to manufacture

Current Issues

- Multiple email accounts
- Strict SPAM filtering

Gmail Filters and blocked addresses

Create a new filter



The screenshot shows the 'Create a new filter' dialog in Gmail. The search criteria is 'from:(example@email.com)'. The dialog lists various actions to be applied to messages that match the criteria. The 'Skip the Inbox (Archive it)' option is selected with a checked checkbox. Other options include 'Mark as read', 'Star it', 'Apply the label', 'Forward it', 'Delete it', 'Never send it to Spam', 'Always mark it as important', 'Never mark it as important', 'Categorise as', and 'Also apply filter to 0 matching conversations'. A 'Learn more' link is at the bottom left, and a 'Create filter' button is at the bottom right.

from:(example@email.com)

← When a message is an exact match for your search criteria:

- Skip the Inbox (Archive it)
- Mark as read
- Star it
- Apply the label: Choose label... ▾
- Forward it [Add forwarding address](#)
- Delete it
- Never send it to Spam
- Always mark it as important
- Never mark it as important
- Categorise as: Choose category... ▾
- Also apply filter to 0 matching conversations.

[Learn more](#) [Create filter](#)

SPAM

- Protect email credentials
MFA
- Dedicated SPAM filter
- Selective email signups
- Disposable email addresses
- Unsubscribe helpful <-> harmful
- REPORT SPAM

SPAM



Lacros browser

- California Privacy regulators first case
Probing internet connected cars
Connect surveillance device (smart phone)
Play music, get directions, hand-free dialing
You'll like it
So, will we
Automakers privacy policies
California Consumer Privacy Act 2018 updated
Rights what is collected
Rights to stop info being spread
Rights to have the data deleted
Home, workplace, shopping habits, medical
treatments, computer club events, ...
speed, braking, ...
European regulators

Automobile Privacy

- Navigation data points, phone call logs, **contacts**, ...
- Used infotainment computer off eBay
Sweetie, trip maps, unique IDs of their phones,
 - 300 GB hard drives
 - Tesla FaceID, video snippets,

Automobile Privacy

Upload a verification selfie

Step 1

Clearly write your name, username and this code on a piece of clean paper.



Step 2

Take a selfie that shows you holding the paper. Your face and hand should be visible. [Selfie tips](#)

[Upload selfie](#)

We use this photo to help us check that this account belongs to you. We'll delete it once we've finished the review, and it will never appear on your profile.

Submit

Instagram Selfie

Your System has been infected with 5 viruses

5

Security Notice <postmaster@favorablecheerful.net> on behalf of
Security Notice <eccl@serverng@vfa.favorablecheerful.net>
to: <[REDACTED]>

📧 📧 📧
Today at 10:11 AM

Secure link: [Click here to view attachments](#)



Suspicious Virus Detected

We have detected that your device is at high risk of being infected with viruses. It may soon corrupt your sim card, data, photos and contacts if no action is taken.

[Learn more](#)

How to remove virus

Click the button below for your detailed security check and further instructions.

[Click here](#)

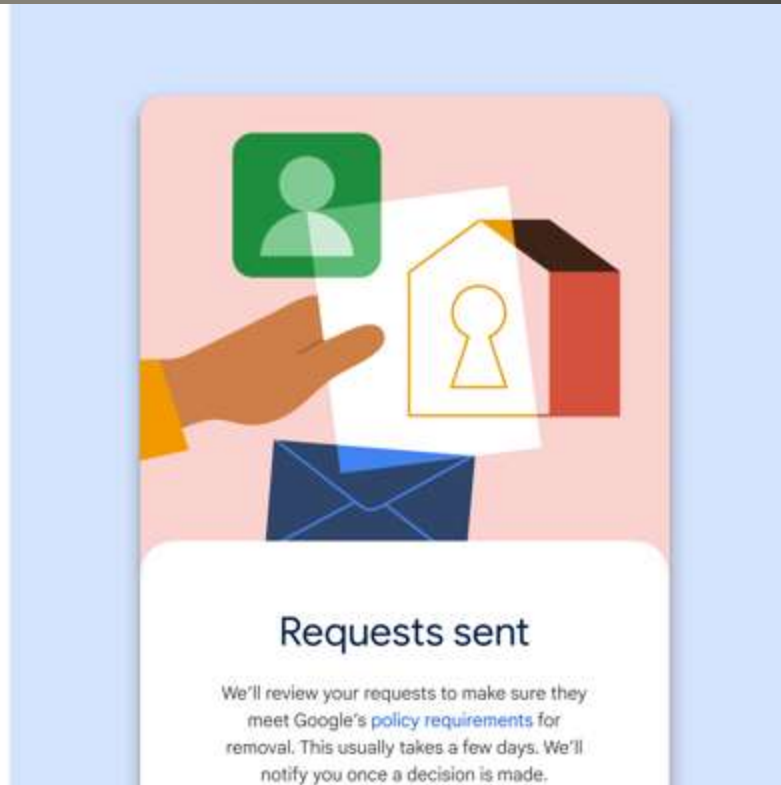
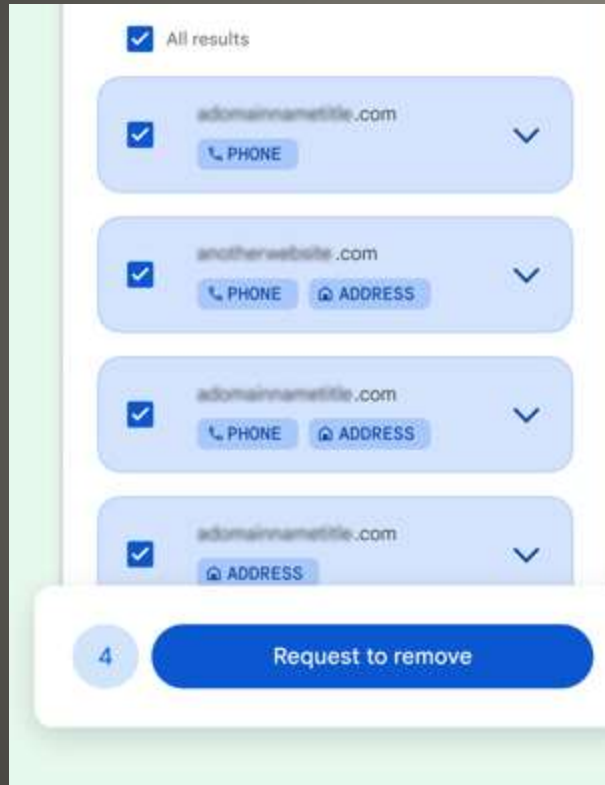
We may unsubscribe you from [updates](#)

To remove your email from our mailing list, Please [click here](#)
or Write to: P.O. Box 997 1989 (1946) Sub Lido 16, LT 94130

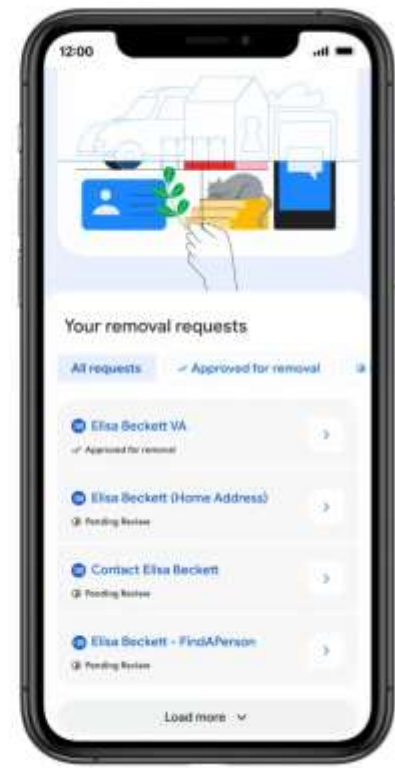
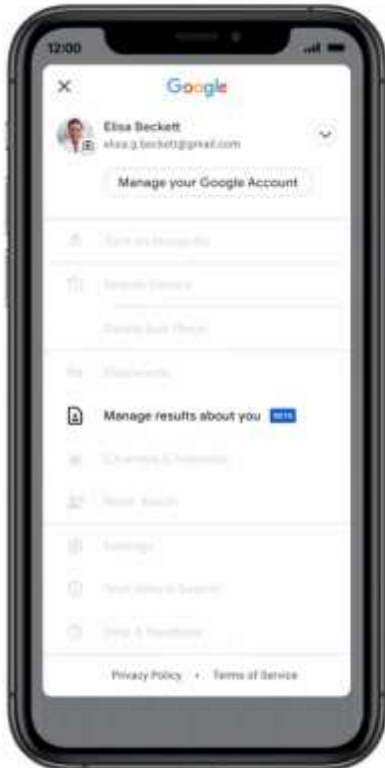
- "We urge people to proceed with caution when reading emails from someone claiming to be an authoritative resource. Unfortunately, unscrupulous people sometimes try to use the Google brand to scam and defraud others. In Gmail, our sophisticated protections will block more than 99.9% of spam, phishing, and malware, but whichever email service you use, we encourage users to follow these three best practices to help avoid becoming a victim of a scam:
 - Slow it down. Scams are often designed to create a sense of urgency. Take time to ask questions and think it through.
 - Spot check. Do your research to double-check the details you are getting. Does what they're telling you make sense?
 - Stop! Don't send. No reputable person or agency will ever demand payment or your personal information on the spot"

Google Advice

- Results about you



Google Search



Results About You

- Explicit photos removal from search
- Request Removals

2:04 Docs Google Search Help

Help Center Community Announcements

Request to remove your personal information on Google

Use the options below, to contact Google about a personal information removal.

What do you want to do? [Remove information you see in Google Search](#)

Let us know where you saw the information you want to have removed.

The information I want removed is: [In Google's search results and on a website](#)

Have you contacted the site's website owner?

No, how do I do that?

No, I prefer not to.

Yes

support.google.com

2:13 Docs Google Search Help

URL(s) of the webpage(s) that show the content ([Learn how to find the URL](#)) or URL(s) of the image(s) if you are requesting removal of image(s) ([Learn how to find the URL of an image](#)).

Please enter one URL per line (Max 1000 lines)

To help us better process your request, please provide the URL(s) of the Google search results page(s) that contain(s) the link(s) to the webpage(s) you are reporting above. [Learn how to get a search results page URL](#).

Please enter one URL per line (Max 1000 lines)

Please upload one or more representative screenshots to help us identify the content you wish to report. ([Learn how to take a screenshot](#))

No file chosen

support.google.com

Google Search

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

Computer Club, Help Center, SIGs,
Presentations, classes

Cyber Security SIG meetings, NEWSBLOG
Internet

- Questions, suggestions, comments?

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