

Sun City Computer Club

Cyber Security SIG

February 3, 2022

**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**

- Ever want to be a presenter??

Presenter???

- iOS 15.3 iPadOS 15.3 MacOS 12.2
- 0-day x 2
- And Safari

Apple

- Chrome 98.0.4758.81
- Brave 1.35.100
- Edge 97.0.1072.76
- Edge Dev channel 99.0.11502
- Opera 83.0.4254.27
- Firefox 96.0.3
- Tor 11.0.4
- Vivaldi 5.0.2497.48

- Zoom 5.9.3

Browsers

- pkexec SUID
- PwnKit
- Patch `chmod 0755 /usr/bin/pkexec`
- About 12 years old
- `argc argv`

Linux and all distros

- Federated Learning of Cohorts FLoC
- Tracking cookie workaround
- “Privacy Sandbox”

Prevent tracking
third party cookies
fingerprinting

Enablers for publishers

Preserve vitality of open web

We will see

Google FLoC replacement

- No tracking
 - Highway billboards
 - Mall window banners
- Tracking
 - Selective Browser choices
 - I need "something" help me
 - I want "something" hide me
 - I have hit my quota of lawyer ads

Editorial

- DHS bulletin

“Russia would consider launching a cyber attack against the U.S. if it perceived (that) a U.S. or NATO response to a possible Russian invasion of Ukraine threatened its long-term national security”

- Domestic violent extremists have been planning to try to disrupt the U.S. power grid. DHS bulletin to utility operators and Law enforcement

Cyber power grid threats

- 7700 power plants
- 3300 utilities
- 2.7 million miles of transmission lines
- 7 bullet theory
- Generators and heavy equipment has multi-year lead time
- Almost exclusively made in China

- Remember November?

U.S. Power Grid

- EU warning of power grid disruption
- US sends NATO help for Russian cyber attacks
- Cyber Security Seminars

Securing Android Devices

Big Sur

Sun City Computer Club WEB site navigation and information

Crypto Currencies

Cyber Warfare Part 1

Cyber Warfare Part 2

First Time SIG Safer Computing

Linux - What is it anyway?

Apple MacOS Monterey Release Notes and News

Apple MacOS Monterey preview

Safer WEB Browsing Class

Safer WEB Browsing Part one

Safer WEB Browsing Part two

Sun City MAC Users Group MUG Securing your MAC

- Tesla driver 14-hour traffic jam
- Email tracking
 - tracking pixels
 - IP Address
 - Device type
 - Browser fingerprint
 - Time of Day
 - Block Images
 - Email fit for purpose
 - Proton Tutanota Duck.com

Current Issues

- Fake 2FA Google Play App
Gets banking trojan & screen share
2FA Authenticator
- BIOS/UEFI
23 vulnerabilities
Multiple vendors – Intel, Microsoft, Lenovo, Dell, HP, HPE, Fujitsu, Siemens, ...
Privilege escalation, SMM and DXE memory corruption
Bypass security, persists after drive replacements/formats, OS re-installations
Can be exploited remotely
And TPM protections
undetactable & indestructible

Current Issues

- “Don’t take your personal electronics to the Winter Olympics”
- Facebook claims iPhone privacy changes cost \$10 billion

Current Issues

- Seminar Crypto Currencies
- Meta ending stablecoin project
- Twitter option to use NFT as profile picture
- Texas encourage miners to come to state
Energy companies will build
During crisis "please stop mining"

Cyber Currency

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

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

- Questions, suggestions, comments?

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