

# Sun City Computer Club

Cyber Security SIG

June 4, 2020

**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**



- Can watch anytime – your schedule
- Any length Any time
- Avoid conflicts – your schedule
- Midnight, weekends, holidays
- Timeliness
- Can watch on any device SmartTV
- Presentation can be any length
- Presentation can be any frequency
- Ability to pause, replay
- Get up and leave – I won't know
- Your environment you chair, your home
- Your beverage
- COVID-19 isolation

## **Benefits of Audio recorded Presentations**

- COVID-19 isolation
- Food and Drink - not permitted on-site
- Can be (re)viewed after the presentation
- Infirm we come to you
- Adjust your volume and video sizing
- Topical delivery
- View from the summer home
- No tracking via registration
- Split presentations - topical or detailed
- Drinking game

**Benefits of Audio recorded Presentations**

- Trump's Paycheck
- Youth posting of new credit card
- "Public Performance" on zoom, etc.
- Virtual machines to combat ransomware
- Ransomware use of virtual machines
- MS Office macros
- Section 230 Social media protections  
1996 Communications Decency Act
- NSA Sandworm Exim warning

## Current Issues

- SCOTUS at zoom meeting  
Voters must be in person
- Lickable gadget
- Smellable gadget
- Windows 10 version 2004  
Security suite “catch-up” Update
- Zoom et al two party consent states
- Zoom et al “public performance” ?
- AddTrust external CA root  
Firmware fix BUT how to trust firmware load?

## Current Issues

- iOS jailbreak unc0ver.dev  
Security “adjusted”  
“legality”
- Apple Update(s) 2-Jun-2020  
“Sign in with Apple”
- 0-day broker suspends iOS RCE  
Remote Code Exploit
- NXNS DNS amplification attack  
x1620
- Bluetooth Impersonation  
Not “bug” standard design flaw
- Image that can brick smartphone

## Current Issues

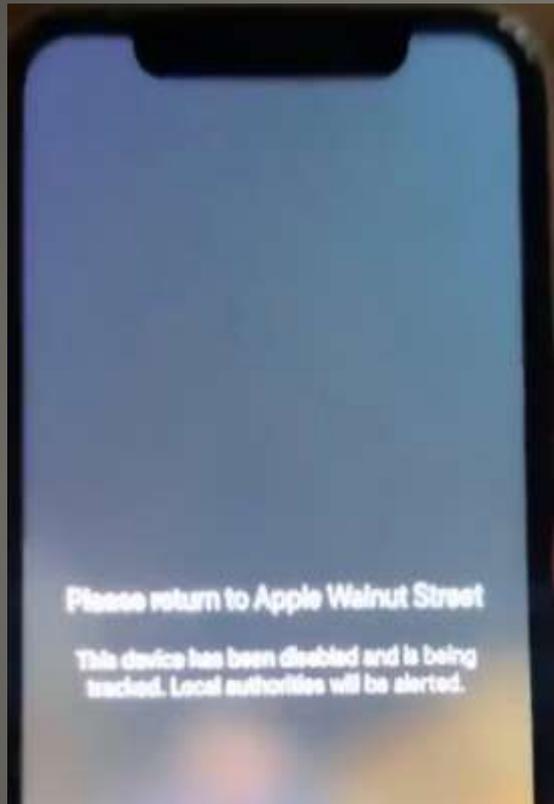
- Facebook to require identity verification for high impact posters  
Already verifying identity of pages with large audiences
- Clearview AI (Facial Identification service)
- American Civil Liberties Union suit



## Current Issues

- Billions of *faceprints*
- Billions of smartphones with advanced cameras, internet connected, cloud storage, advanced processing, always on, and everywhere
- Everywhere-protests, AA, birthday parties
- App - trial basis upload a photo, get the result
- First amendment - JustUs browsing

**Clearview AI**



**Apple a response to store looting**

- Bank of America Data exposure  
April 22 test run Paycheck Protection Program
- Reports of KNOWN data exposures
- Information gives NO indication of being stolen copied/cloned/backed up  
Were those then protected?
- eBay port scanning their visitors  
Citibank, TD Bank, Chick-fil-A, Equifax, ...
- Firefox with uBlock Origin

## Current Issues

- Old practice - cut input length

## The input maxlength attribute

Username:

Submit

Please shorten this text to 10 characters or less (you are currently using 73 characters).

- Passphrase length

**Firefox 77.0.1**

- Access, Excel, OneNote, Outlook, Word, PowerPoint, Power BI, Publisher, Visio, Sway, Forms, Classroom, OneDrive, Planner, Stream, Teams, To-Do, Skype
- Others?
- Helpful < > Harmful
- Visual Basic for Applications (VBA)

## **MS Office Macros**

**SECURITY WARNING** Some active content has been disabled. Click for more details. [Enable Content](#)

A1

	A	B	C	D
1	<h1>FOREIGN CURRENCY CONVERTER</h1>  <p><b>FROM</b></p> <p>Switzerland Franc - United States Dollar</p> <p><b>AMOUNT</b></p> <p>600</p> <p><small>CLICK TO CHOOSE</small></p>			
2				
3				
4				
5				

- Macros off by default
- File extensions
- PowerPoint POTM, PPTM, PTSM
- Word DOCM, DOTM
- Excel XLAM, XLSM, XLTM
- Executable - Perform tasks
- How to check / adjust

**MS Office Office 365**

- File > Options > Trust Center > Trust Center Settings > Macro Settings

**For each current product**

## Trust Center



Trusted Publishers

Trusted Locations

Trusted Documents

Trusted Add-in Catalogs

Add-ins

ActiveX Settings

**Macro Settings**

Protected View

Message Bar

File Block Settings

Privacy Options

### Macro Settings

- Disable all macros without notification
- Disable all macros with notification
- Disable all macros except digitally signed macros
- Enable all macros (not recommended; potentially dangerous code can run)

### Developer Macro Settings

- Trust access to the VBA project object model

OK

Cancel

- POWERFUL delivery method
- Check default disable often
- Powerful
- LibreOffice, NeoOffice, Polaris Office, Apache OpenOffice
- Office 365 cautions Online at their office
- LibreOffice macros Basic, JavaScript, BeanShell, Python
- Helpful <> Harmful

## MS Office Macros

- Spoof sender  
Verify via out-of-band means
- “Trusted” authority  
University Health, Covid-19 related, ...

**Macros Trust**

- 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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QUESTIONS?

