Sun City Computer Club

Cyber Security SIG April 4, 2024

Questions, Comments, Suggestions welcomed at any time

Even Now

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

Audio Recording In Progress

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

- Edge Version 123.0.2420.65 (Official build) (64-bit)
- Chrome Version 123.0.6312.106 (Official Build) (64-bit)
- Firefox 124.0.2 (64-bit)
- Brave Version 1.64.116 Chromium: 123.0.6312.105
 (Official Build) (64-bit)
- DuckDuckGo Version 0.73.0
- Vivaldi 6.6.3271.55
- Safari 17.4.1 (19618.1.15.11.14)
- Tor 13.0.13 Firefox 115.9

Browser versions



Jan Vromant

Admin Top Contributor · 21h · 🕾

Unpleasant news!

If you are or have been an AT&T customer, you may want to change your password immediately.

"AT&T said it has begun notifying millions of customers about the theft of personal data recently discovered online.

The telecommunications giant said Saturday that a dataset found on the 'dark web' contains information such as Social Security numbers for about 7.6 million current AT&T account holders and 65.4 million former account holders.

The company said it has already reset the passcodes of current users and will be communicating with account holders whose sensitive personal information was compromised."

Computer Club Facebook

...

- AT&T denies 2021 and again 2024
- Data appears significant
- "proven, with sufficient confidence, that the data is real and the impact is significant."
- 73 million records 7.6M current 65.4M former
- Names, personal addresses, phone numbers, DOB, SSN, Email addresses, AT&T account numbers, passcodes
 Weak passcodes
- Passcodes reset delay to allow passcode resets
- 12-hour outage Feb 22, 2024 \$5 account credit
- More likely to trust anything from AT&T
- Your data on Internet lives forever
- Family plan their information
- Monitor Credit reports, accounts,
- Credit Monitoring ?? Credit Karma
- Fraud Alert Credit Freeze
- Fraud departments
- Document Any/everything
- https://www.identitytheft.gov/#/
- After Actions Frauds, Scams, IDentity fraud
- Foundations of Scam and Fraud Prevention

Alleged AT&T data leak

- AT&T data breaches in past
- Verizon
- T-Mobile Home Internet interest
- Passcodes SIM swap protections
- May need to visit store
 With multiple forms of Identification
- MalwareBytes Digital Footprint Scan

https://www.malwarebytes.com/digital-footprint

Malwarebytes



You truly are one in a million.

Hi there,

Wow, this almost never happens to us - we did not find any exposed information or data breaches related to this email.

Data Breaches

- 2 versions with backdoor 5.6.0 5.6.1
- Software supply chain CVE-2024-3049 CVSS 10.0
- "Through a series of complex obfuscations, the liblzma build process extracts a prebuilt object file from a disguised test file existing in the source code, which is then used to modify specific functions in the liblzma code,"
- Software linked to these libraries Intercept and

modify data

- sshd and systemd
- 4 code commits
- GitHub disabled
- Linux scanner



This repository has been disabled.

Access to this repository has been disabled by GitHub Staff due to a violation of GitHub's terms of service. If you are the owner of the repository, you may reach out to GitHub Support for more information.

Linux data compression library XZ Utils

binarly

Check if you are affected by the XZ backdoor Learn more

Upload ELF file to check potential backdoor implantation

Selected file: liblzma.so.5.6.1

Scan

Terminal

Scan result: liblzma.so.5.6.1

sha256: 257fc477b9684863e0822cbad3606d76c039be8dd51cdc13b73e74e93d7b04cc

DETECTED XZ malicious implant

Suspicious IFUNC resolver: 0x70e0, 0x74e0

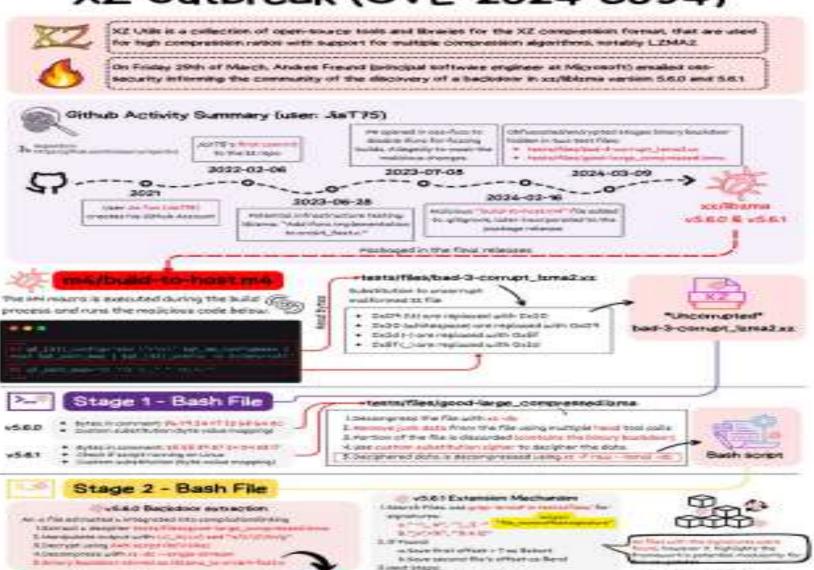
Potential triggers: 0x4d57

XZ scanner

- SSH daemon incoming encrypted shell
- Secret & invisible backdoor
- Someone/anyone/anywhere login to any Linux system
- Open-Source problem Open-source fix/detection
- Developers of all skill levels working collectively/anonymously
- Compression library test files who would check those
- Complex and time consuming 2021 2024
- Persona build 6,000 changes 7 projects 1 prior attempt found
- Take down/out previous developer
- But it is Open-Source

XZ Open Source

XZ Outbreak (CVE-2024-3094)



is two fact floored segment in

A DESCRIPTION OF PERSONS ASSESSED.

is Dissiplied with mutilize / byta-inspecting

bizma_is-crofi4-fast o is then added

to the complimitim/linking process!

■ © FRØGGER

THOMAS ROCCIA

- Elevation of privilege vulnerability
- Versions 5.14 6.6.14 CVSS 7.8

Linux

- No recent calls?
- No cell service status?
- You may have been Sim Swapped
- You may have been Sim stolen
- You may have been Sim replaced
- Phone-port attack
- Hardware Security Key
- Authenticator App

SmartPhone in SOS Mode?

- Brave VPNDefault Install
- FCC Ban signal jammers
- ChatGPT down 25-Mar-2023 few hours
- Seven Chinese nationals charged reward \$10M
 Targeting critics of China, business, politicians
 China "not us"
 Work accounts, personal emails, online storage, call records from news outlets, journalists, ...
 with tracking links = location, IP address, ...
 follow on attacks
 Government officials and spouses/family
 Companies also
- LLM emergent abilities –
 more about measurement than emergence

Android malware PixPirate
 Any/Everything
 Access/Delete/Edit SMS/MMS/RCS
 Authenticator
 Financial & Banking apps
 PixPirate downloader via malicious link
 WhatsApp
 Authenticator app from banks/brokers

- Vermont residents finding AirTags on cars After visit to Canada
- Gmail restrictions 4 days in?
- FTC releases 2023 Privacy & Security Update
 AI, Health Privacy, Children Privacy, Geolocation data



- SMS/MMS/RCS
- SpaceX 17mbps

15:00 €



About satellite messaging

You can send and receive text messages by satellite as part of an eligible account

Your plan

0

Satellite messaging isn't included with your account

Add satellite messaging

How it works



en you don't have a mobile network

Your phone will auto-connect to a satellite. For the best connection, keep a clear view of the sky.



After your phone connects to a satellite

You can text anyone, including emergency services. Your phone will reconnect to a mobile instwork when available.



Satellite messaging may take longer and is available only in some areas, Weather and certain structures may affect your satellite connection. Calling by satellite isn't available.

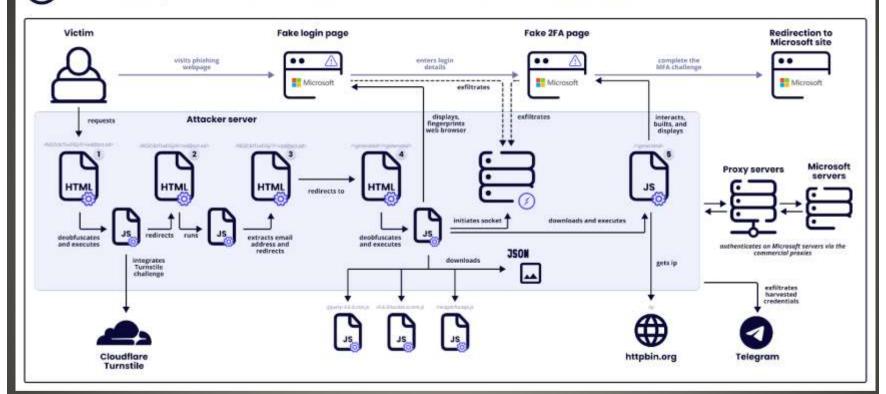
It may take some time for changes to your account to show in Settings, Contact, for details,

More about satellite messaging

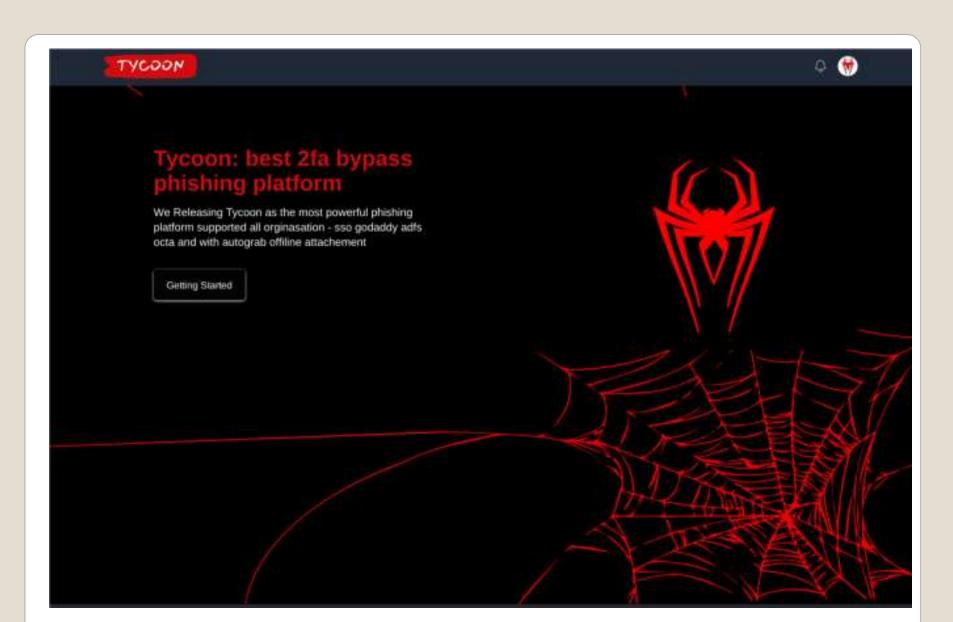
- Phishing-as-a-service
- Target Microsoft 365 and Gmail
- Bypass 2FA protections
- August 2023 recent update
- 1100 domains
- Proxy steal the relay
- Capture then replay session cookies

- Stage 0 malicious link via email
- Stage 1 filters out bots need human
- Stage 2 scripts extract victim's email
- Stage 3 redirect to phishing site fake login page
- Stage 4 Fake Microsoft login page steal credentials exfiltrate via WebSockets
- Stage 5 mimic 2FA challenge intercept 2FA token
- Stage 6 victim presented with fake page

(IO) SEKOIO | Main operations of the Tycoon 2FA phishing kit, as of March 2024



• \$120 entry fee 10 days



- 6,000 Asus routers infected in 72 hours
- 40,000 devices 88 countries
- End-of-life routers and smart devices
- Cybercriminal proxy service <u>Faceless</u>
- Response to law enforcement
 Intelligence organizations
 Security suites
 Suddenlink/Optimum used Asus routers

TheMoon Botnet

- State Department \$10M reward UnitedHealthcare hackers \$3.3B lifeline to affected providers CEO Congress testimony April 30
- US government watching?
 Wiretaps & listening devices
 Court orders or data broker purchase
 CCTV with facial recognition
 Social media -> CCTV

Metadata analysis
Data collection programs
Backdoor devices
Social media monitoring

- Flipper Zero in classroom
- Microsoft & OpenAI building \$100B supercomputer
- Microsoft Copilot for Security subscription
- Mozilla Onerep partnership ended CEO to blame

- Atomic Stealer
- Arc Browser Google sponsored link
- Use Control-Click bypass Gatekeeper
- Update System Settings
- Used Account password
- Now uses Keychain & Keychain data
- Meethub
- Control-click AVOID!!

Mac Info Stealer Apps

- US House of Representatives ban AI Copilot for staffers
- Apple ability to update iDevices in unopened boxes
- Google plan to destroy user's data collected Incognito mode
- DOJ indicts China APT31 members
- Ukraine Safe Skies Anti-drone sensors Russia attacks Ukraine ISPs
- Apple customers target of MFA-bombing attacks
- Facebook project snoop on Snapchat on device VPN Bypass Snapchat encryption Marketing ploy
- Fujitsu finds malware data breach? Times 2?
- Microsoft Remove Russia companies' data off its cloud services
 Not political economic sanctions by EU
- New loader for Agent Tesla infostealer
 Email from a bank bank payment notification
 Loader obfuscation, polymorphic behaviour
- Apple Accept bombing Call from Apple's official customer support number
- Microsoft Edge Private API Install Edge browser extensions

- Phishing-as-a Service Darcula RCS
 More legitimate
 End-to-End encryption avoid block due to content
 Subscription => 200 phishing templates hundreds of sectors
 20,000 domains, 11,000 IP addresses, 100 new domains daily
 Logo images, fonts, languages, lingo
- Cambridge University British Library
- New OneDrive features
 Ransomware detection IoC delete suspicious files roll back
 Personal Vault limit 3 -> unlimited
 Advanced sharing expiration dates Secure password
 Make Available Offline
- Russia 63-hour GPS jamming attack
 March 22 22:38 March 26 14:18 (GMT+1)
 Affected airspace Poland, Germany, Sweden, Netherlands, Latvia, etc.
 Not affected Belarus, Kaliningrad

 Android Banking Trojan Vultur McAfee security app Dropper 3 payloads Record screen, log keystrokes, grant remote access, download files, upload files, install apps, delete files, block apps from running, click, scroll, swipe, ... GTA 6 Mac macOS stealer 1 STEP Right click - Open RIGHT CLICK A helper tool is needed to manage your games. 2 STEP Origin is trying to install a new helper tool. Enter your password to allow this. CLICK 'OPEN' User Name: Password: Install Helper Cancel **Current Issues**

- 3,205 *publicly reported* data compromises 2023
- Russia charges 6 for theft of 160,000 credit cards credit card & payment information order checkout pages fake payment page overlays Double check certificate / URL
- Indian government rescued 250 citizens
 Cambodia running cyber scams
 Many government agencies working the issue
- Apple AI Reference Resolution as Language Modeling (ReALM)
 Radically enhance how voice assistants understand/respond
 Understand pronouns & indirect references in conversation
 Parsing on-screen entities & locations
 Tune LLM for reference resolution tasks
 Users with disabilities
 Integrates text and visual information

- Open Web Application Security Project Foundation (OWASP)
 Non-Profit foundation to improve web security
 Breach Resumes of members misconfigured server
- IRS issues warning:
 Avoid others using or help setting up your IRS online account
- Signal & Cloud backup? End-to-end encryption Recovery from lost or damaged device
- Telegram to allow restricted incoming Russia, Belarus, Ukraine
- HP exits Russia 2 months early
- Taiwan earthquake & TSMC
- Chase Bank Chase Media Solutions
 Marketers tempt customers based on spending data
- Unsubscribe
- Wi-Fi Protected Setup caution

- FTC new rule (1-Apr-2024)
 directly file Federal court complaints
 compel scammers to return funds stolen by business or
 government impersonation
 potential to target impersonation of individuals
 via video deepfakes of AI voice cloning
- Airline & Smartphone access

https://cybernews.com/security/airlines-apps-data-collection/

- Zero-days on Pixel phones Forensics teams
 Boot loader Memory dump Training video
 GrapheneOS -privacy focused Pixel device mobile operating system
- Entertainment Software Ratings Board
 Facial recognition age verification FTC no
- Microsoft & Quantinuum "new era of quantum computing"
- German state Windows & Office -> Linux LibreOffice

 Privnote phishing site lawsuit any message with crypto address changed

Thank you very much for placing your order recently. To ensure the accuracy of your order, you are kindly requested to verify the following information: Follow these instructions if you are not satisfied with your recent purchase. 6489149982, To initiate a return, follow these instructions.

One attachment • Scanned by Gmail ①





- Hide
 IP Address
 Geolocation
 Browsing Activity from ISPs
 PII in transit
 Torrenting
- Does Not Hide Account Activities Payment Information Malware and Viruses MAC address MetaData

VPN

- Hacker Summer Camp
- Private 2022 event "Hack a Hotel"
- Check Out screen
- Results just in
- Unsaflok Saflok brand RFID room locks
- 13,000 properties 131 countries
- Get a keycard any keycard
- Get a code write 2 keycards tap 2 keycards
- First rewrites a portion of locks data
- Second one opens the door
- OR Android Or Flipper Zero
- How to get code to reverse engineer? Ebay
- Onity keycard 2012 No fix cross-country burglary spree

3 Million Hotel Keycard Locks



ALL AMERICANS

Using an adblocker:

52%

REASONS FOR USE:

Protect online privacy: 20%

Block ads: 18%

Speed up page loads: 9%

Another reason: 5%

Not using an adblocker: 48%



EXPERIENCED ADVERTISERS

5+ years of experience

Using an adblocker:

66%

REASONS FOR USE:

Protect online privacy: 27%

Block ads: 20%

Speed up page loads: 12%

Another reason: 7%

Not using an adblocker: 34%



EXPERIENCED PROGRAMMERS

5+ years of experience

Using an adblocker:

72%

REASONS FOR USE:

Protect online privacy: 30%

Block ads: 19%

Speed up page loads: 15%

Another reason: 8%

Not using an adblocker: 28%



CYBERSECURITY EXPERTS

5+ years of experience

Using an adblocker:

76%

REASONS FOR USE:

Protect online privacy: 29%

Block ads: 19%

Speed up page loads: 19%

Another reason: 6%

Not using an adblocker: 24%

Ad blocker usage

- Recovery Seminar
- https://vimeo.com/882272974?share=copy
- NOW, Your input, experiences, ...
- 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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