Sun City Computer Club

Cyber Security SIG

March 4, 2021

Questions, Comments, Suggestions welcomed at any time

Even Now

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

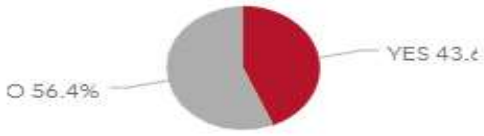
Audio Recording In Progress

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

City of Georgetown Debris Removal Efforts

Crews continue efforts to collect debris throughout the City. Click through the map to see where crews and contractors have already picked up tree limbs. If you notice your street has been cleared before you had a chance to put limbs to the curb, do not worry. Contractors and crews are planning multiple passes before this special pick up is finished. We are asking people to try to get their limbs to the curb by March 4. People who can't meet that deadline

% of streets cleared of debris



Last update: a few seconds ago

Debris removed

NO

YES

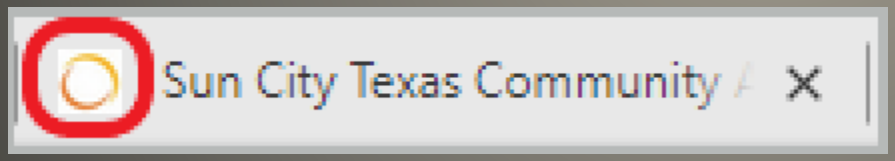
This server could not prove that it is **electricoutage.georgetown.org**; its security certificate expired 68 days ago. This may be caused by a misconfiguration or an attacker intercepting your connection. Your computer's clock is currently set to Thursday, February 18, 2021. Does that look right? If not, you should correct your system's clock and then refresh this page.

- Communities Overregulating Networks Need Economic Competition

The CONNECT Act, or "Communities Overregulating Networks Need Economic Competition" will supposedly not affect existing municipal broadband services, but is written to prevent cities and states from forming their own broadband networks unless "there is no more than one other commercial provider of broadband internet access that provides competition for that service in a particular area," the bill states. Additionally, existing municipal broadband networks would be prohibited from expanding their network into new areas.

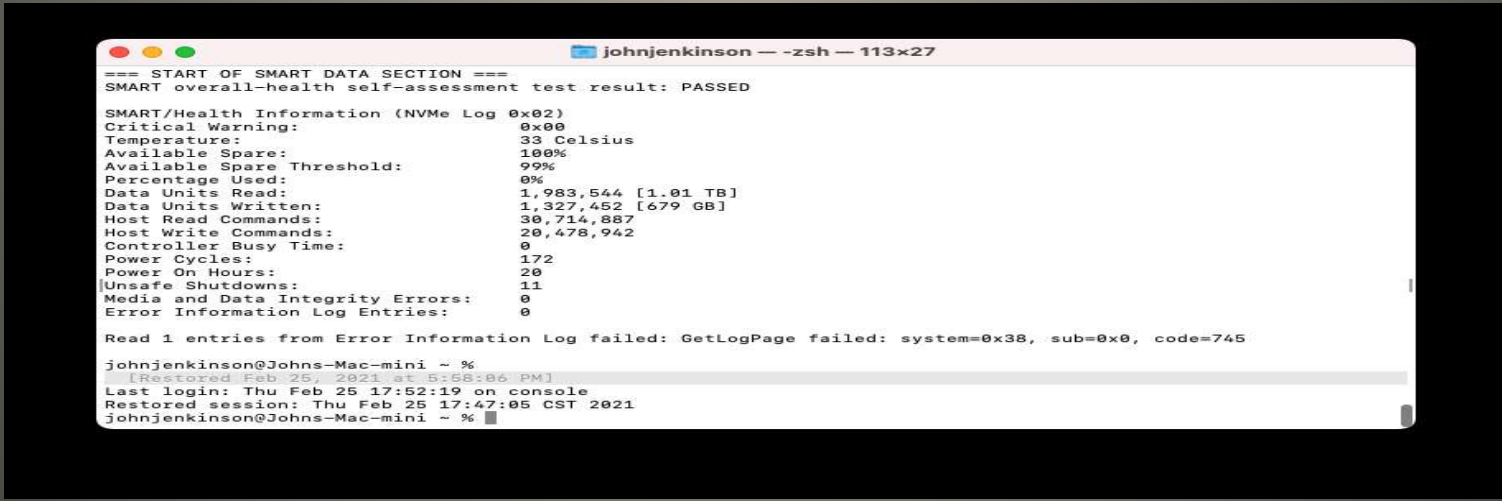
Current Issues

- Silver Sparrow MacOS malware
- Family Hospital Systems Covid eMail
- LastPass trackers
  as do Bitwarden, RoboForm, Dashlane,
- SHAREit Android app
- Favicons for tracking
- Favicons cache

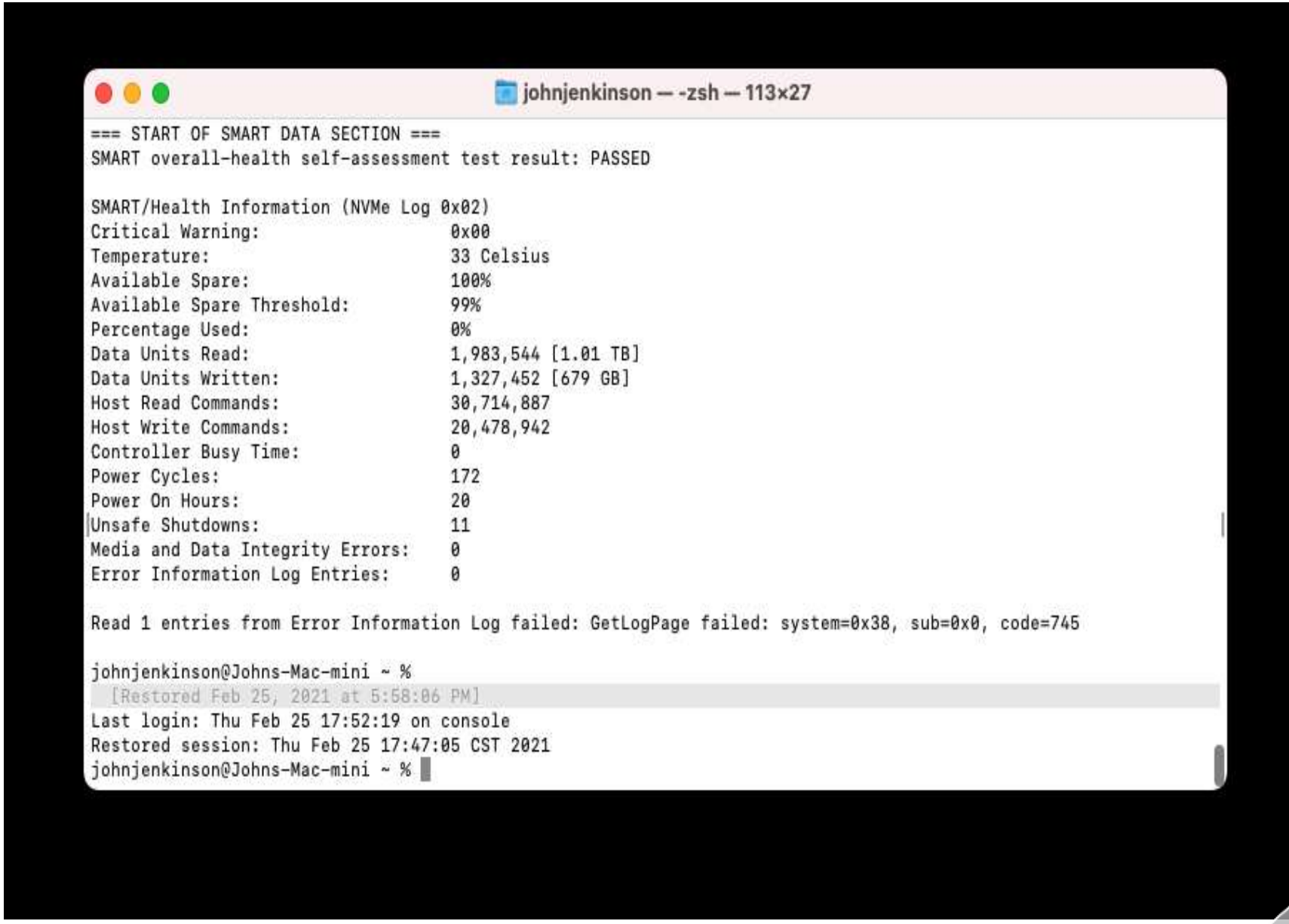


Current Issues

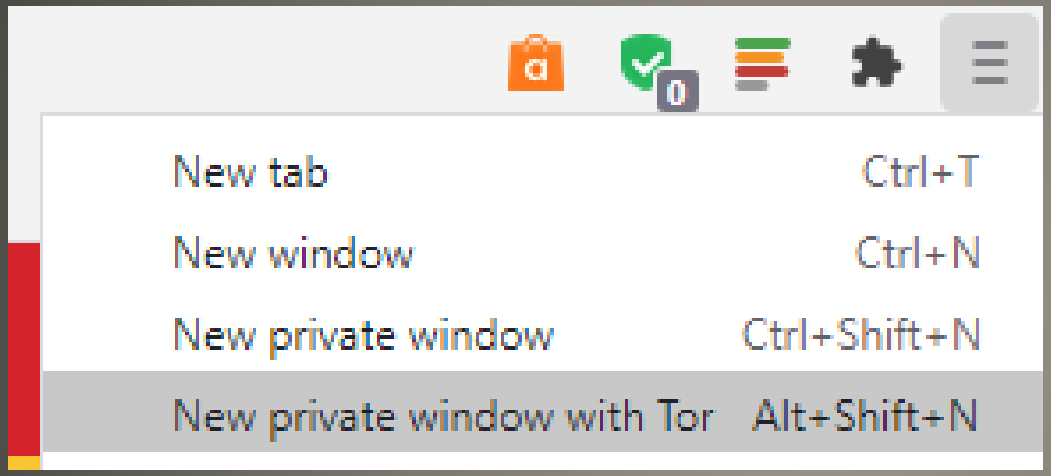
- Mississippi COVID funds for rural broadband
- Genua GenuGate High Resistance Firewall
- New MacBook with external power HUB ?
  BigSur 11.2.2
- Rosetta 2 removal? some regions?
- M1 Mac write issue SSD



Current Issues


johnjenkinson — -zsh — 113×27
=== START OF SMART DATA SECTION ===
SMART overall-health self-assessment test result: PASSED
SMART/Health Information (NVMe Log 0x02)
Critical Warning: 0x00
Temperature: 33 Celsius
Available Spare: 100%
Available Spare Threshold: 99%
Percentage Used: 0%
Data Units Read: 1,983,544 [1.01 TB]
Data Units Written: 1,327,452 [679 GB]
Host Read Commands: 30,714,887
Host Write Commands: 20,478,942
Controller Busy Time: 0
Power Cycles: 172
Power On Hours: 20
Unsafe Shutdowns: 11
Media and Data Integrity Errors: 0
Error Information Log Entries: 0
Read 1 entries from Error Information Log failed: GetLogPage failed: system=0x38, sub=0x0, code=745
johnjenkinson@Johns-Mac-mini ~ %
[Restored Feb 25, 2021 at 5:58:06 PM]
Last login: Thu Feb 25 17:52:19 on console
Restored session: Thu Feb 25 17:47:05 CST 2021
johnjenkinson@Johns-Mac-mini ~ %

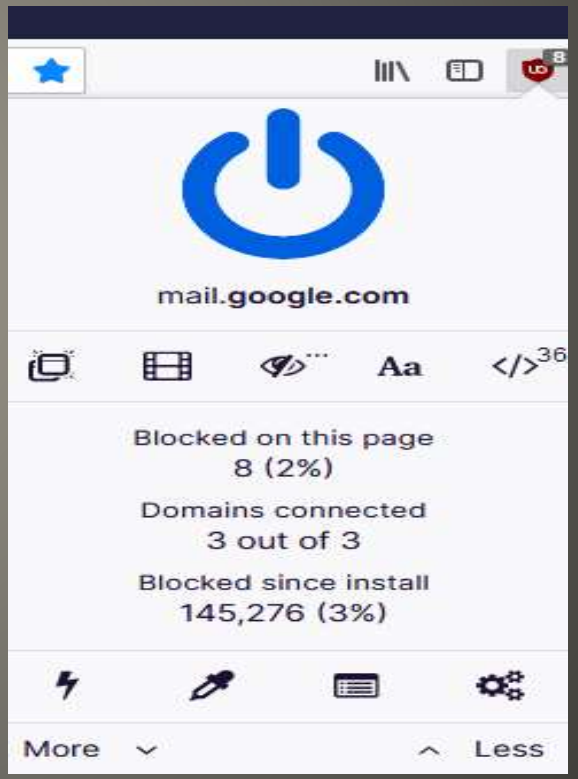
- Brave Private window with Tor
- Needs v1.20.108 or later



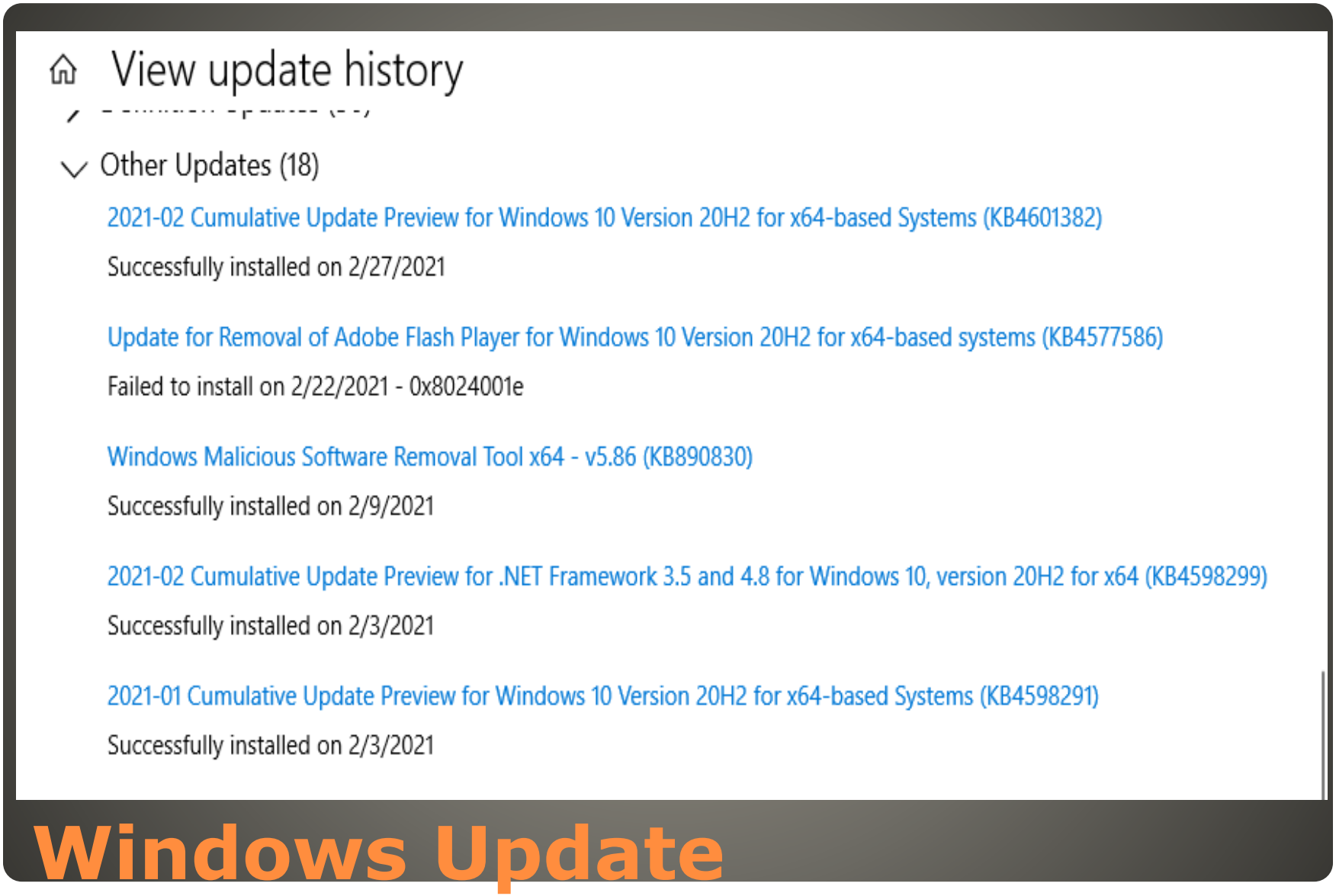
Current Issues

- Solarwinds123
- Sigh
- eMail tracking
  HTML embedded code
  Lines in eMail envelope (header)
- Microsoft “secrets” in code
  Cisco, PaloAlto, etc. etc.
- Android App “Barcode Scanner”
  helpful >> Harmful
  transfer of owner thus signing certificate
- Ryuk wormable – Wake-on-LAN
- Microsoft exchange server - China?
- Rockwell PLCs
- Firefox 86 third party cookies (trackers) siloed
- CNAME to enable tracking

- Info from one domain to another
  WITHOUT control
- Logged in session authentication cookies sent to advertising sites
- uBlock Origin & safari



CNAME tracking



Windows Update

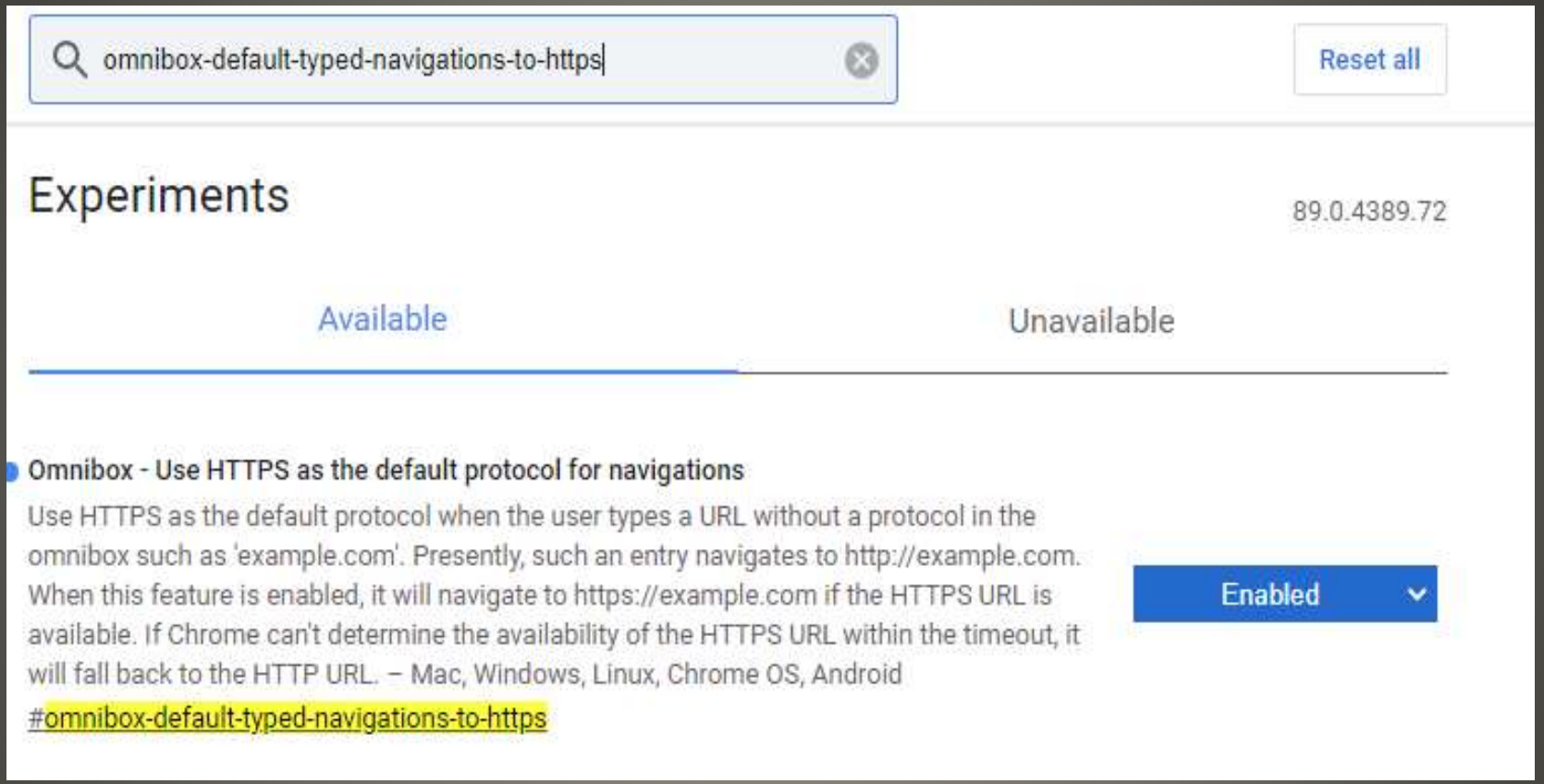
Highlights

- Updates an issue that displays unexpected screens during the Windows Out of Box Experience (OOBE).
- Updates an issue in Advanced display settings that shows the incorrect refresh rates available for high dynamic range (HDR) displays.
- Updates an issue that might cause video playback to flicker when rendering on certain low-latency capable monitors.
- Updates an issue that sometimes prevents the input of strings into the Input Method Editor (IME).
- Updates an issue that might sometimes prevent some keyboard keys from working, such as the home, Ctrl, or left arrow keys. This issue occurs when you set the Japanese IME input mode to Kana.
- Updates an issue that displays the wrong language when you sign in to a console after you change the system locale.
- Updates an issue with screen rendering after opening games with certain hardware configurations.
- Displays the proper Envelope media type as a selectable output paper type for Universal Print queues.
- Updates support for hole punch and stapling locations for print jobs with long edge first paper feed direction on certain printers.

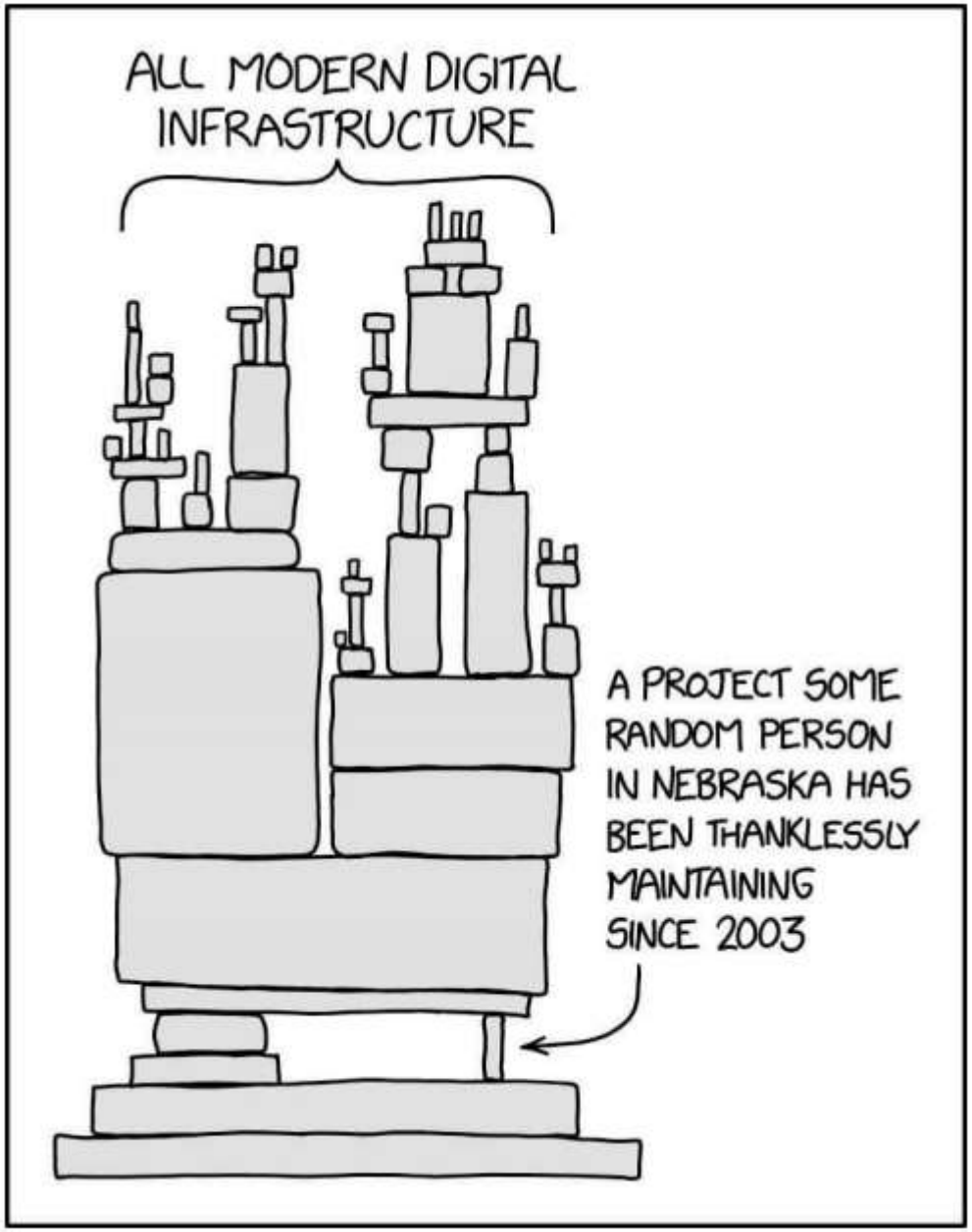
March Preview Windows 10

- Version 11.2.2
- Beta 11.4 Beta 5

MacOS


omnibox-default-typed-navigations-to-https
Reset all
Experiments
89.0.4389.72
Available
Unavailable
Omnibox - Use HTTPS as the default protocol for navigations
Use HTTPS as the default protocol when the user types a URL without a protocol in the omnibox such as 'example.com'. Presently, such an entry navigates to http://example.com. When this feature is enabled, it will navigate to https://example.com if the HTTPS URL is available. If Chrome can't determine the availability of the HTTPS URL within the timeout, it will fall back to the HTTP URL. – Mac, Windows, Linux, Chrome OS, Android
#omnibox-default-typed-navigations-to-https
Enabled

Chrome


ALL MODERN DIGITAL INFRASTRUCTURE
A PROJECT SOME RANDOM PERSON IN NEBRASKA HAS BEEN THANKLESSLY MAINTAINING SINCE 2003

- MAJOR problem/issue
- Package name collision

App package dependencies

Starlink <no-reply@starlink.com>
To: jenkinsonjp@yahoo.com

Tue, Feb 23 at 4:03 PM

STARLINK

Starlink is now available for order to a limited number of users in your coverage area. Placing your order now will hold your place in line for future service. Orders will be fulfilled on a first-come, first-served basis.

During beta, users can expect to see data speeds vary from 50Mb/s to 150Mb/s and latency from 20ms to 40ms in most locations over the next several months as we enhance the Starlink system. There will also be brief periods of no connectivity at all.

As we launch more satellites, install more ground stations and improve our networking software, data speed, latency and uptime will improve dramatically.

The Starlink team will provide periodic updates on availability as we launch more satellites and expand our coverage area. Depending on your location, some orders may take 6 months or more to fulfill.

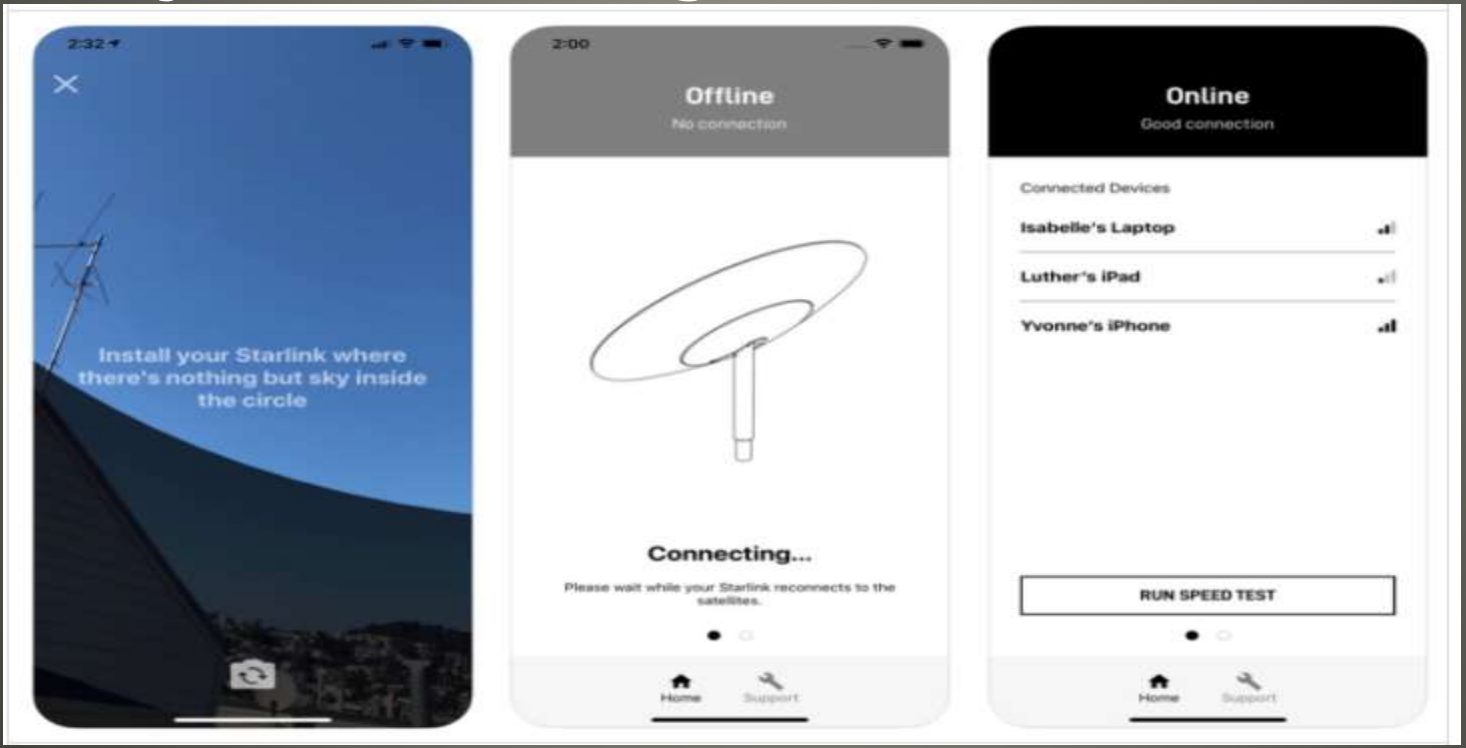
To check availability for your location, visit Starlink.com and re-enter your service address. Thank you for your interest in Starlink and your continued support!

ORDER NOW

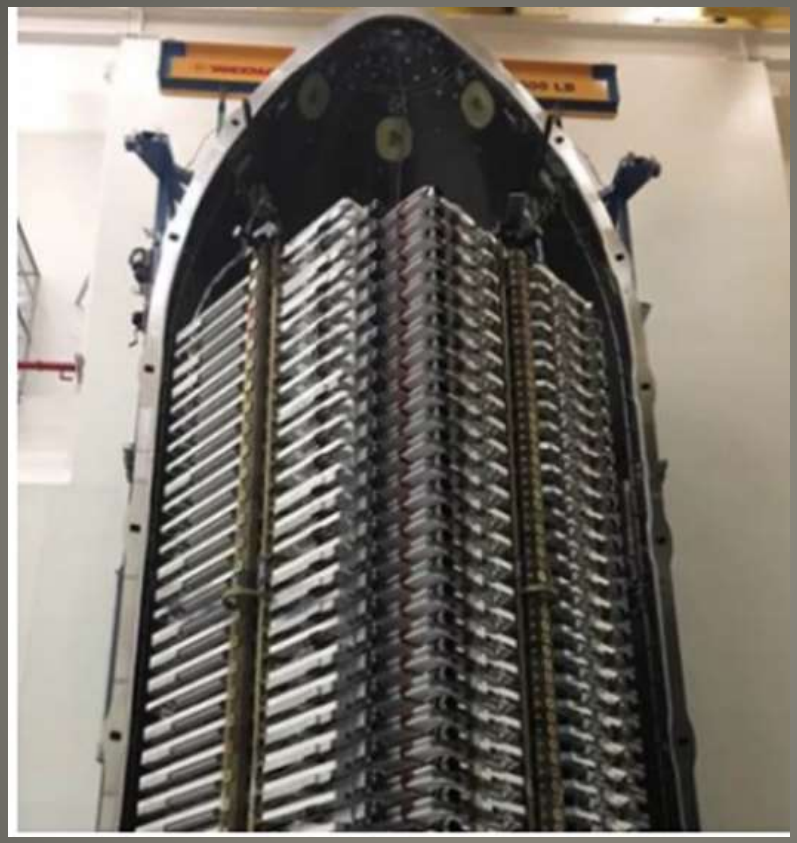
Space Exploration Technologies Corp | 1 Rocket Road, Hawthorne, CA 90250 | UNSUBSCRIBE
Questions? See Starlink FAQs

(Image credit: PC Mag)

- Have you seen the train?
- Capacity will be limited
- I’ll just use a neighbors



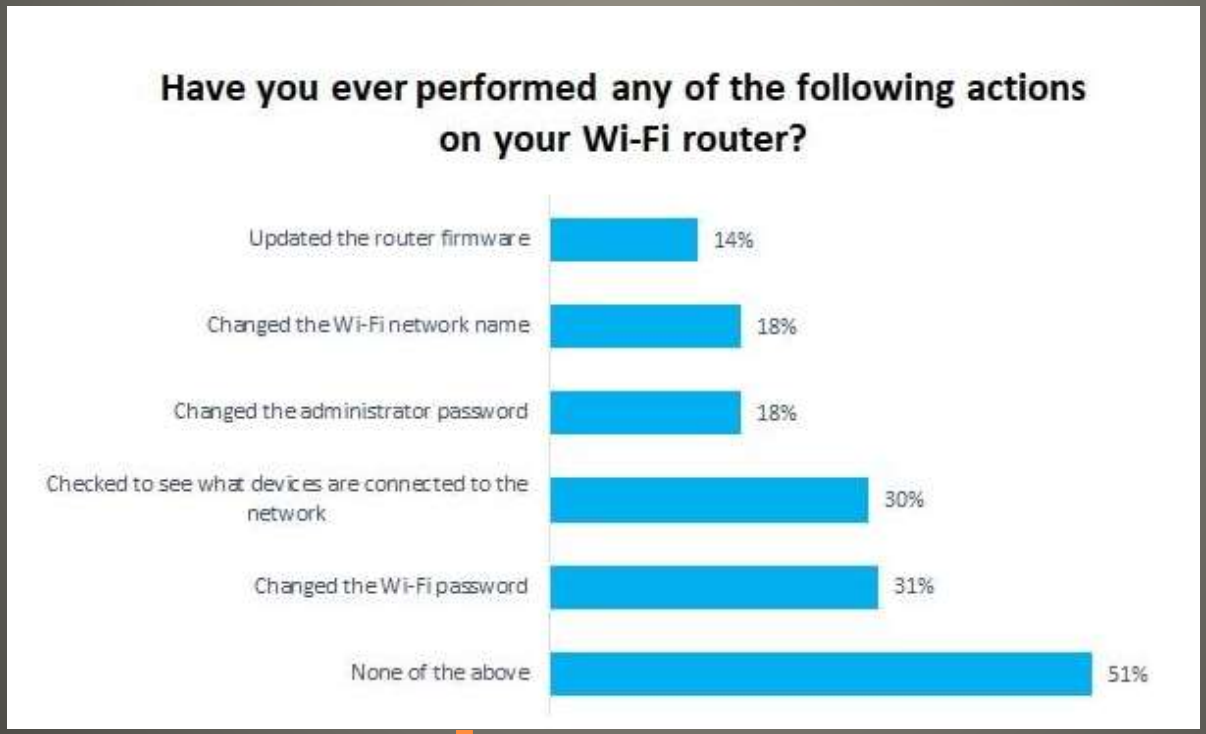
Starlink



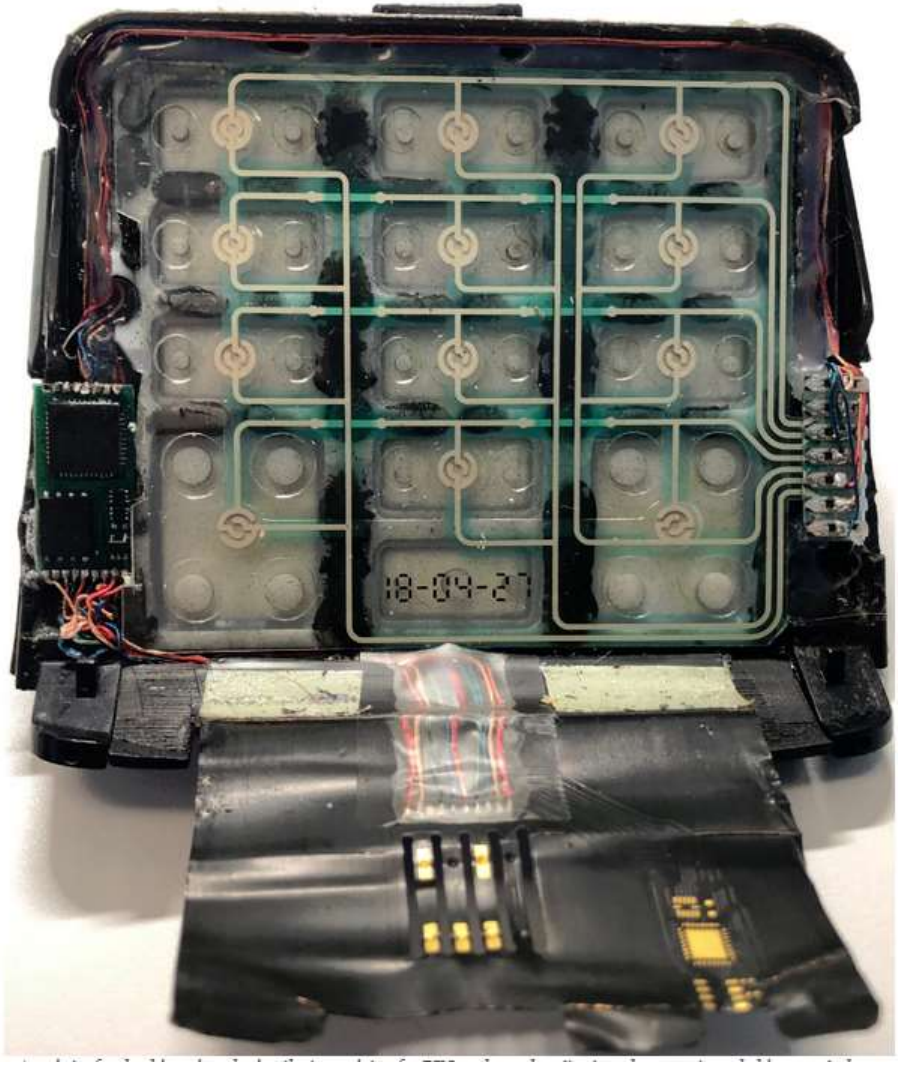
22 55 21 24/05/19
0933.5 0953.5

JKL
5
MNO
6
PRS
7
TUV
8
WXY
9
0
ENTER

Citing the Covid-19 pandemic and a changing business landscape, electronics retailer Fry's has announced it will be closing down. The drawdown has begun this week and after 36 years, the retailer will close forever.



No one we know


18-09-27

Cellular Tether

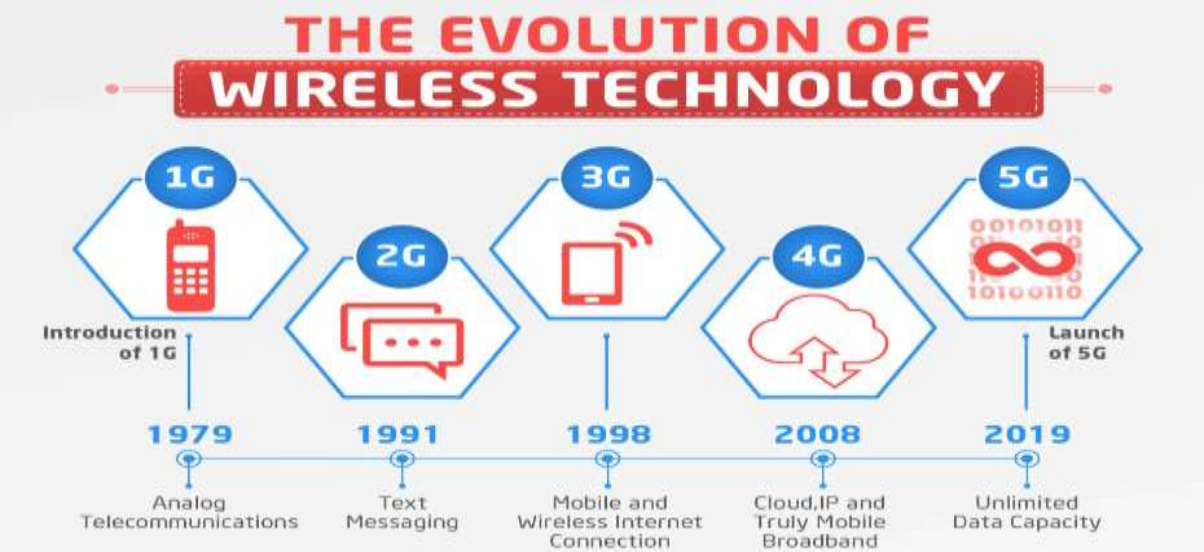
- Laptop with charged battery
- USB cable cell phone cellular data
- Personal Hotspot
- Use for power outage
- Use for Suddenlink outage
- Use for enhanced security

- 4G LTE Home network
- Personal hot spot +
- Puts more secure cellular data on WiFi RADIO
- Uses house current
- All drawbacks of WiFi + Cellular
- Data caps, bandwidth, coverage, compatibility
- Latency
- Add SIM to existing router
- Add antennae to existing router
- Outdoor antennae
- Major carriers PLUS
- Fixed wireless

100
mb per second
VS
10000
mb per second
4G
5G
WHAT IS THE DIFFERENCE
BETWEEN 5G & 4G

5G

- New *type* of network
- Connect *everything*



5G

5G

- Low latency < 1 ms
- High call density 100x
- Cell towers -> light poles
- 10% decrease in energy to power

- Cost to establish
- Limited coverage
- Crowded spectrum
- Huawei & geopolitical
- Weather forecasting

- Health risks
- Frequency – non-ionizing?
- Higher exposure due to more transmitters

5G

Tower Search Results!

Alert! 17 Towers (7 Registered,10 Not Registered) found within 3.00 miles of [redacted] Georgetown, TX 78628.

Info! The NEAREST Tower is .81 miles away and is owned by **American Towers Llc**.

Ok! No Applications for Future Towers detected as of 09/06/20.

Tower Type	ID Num	Site Owner	Height	Dist
Registered	(1)	American Towers Llc	199 feet	.81 miles
	(2)	Chisholm Trail Special Utility District	35 feet	1.08 miles
	(3)	T-mobile West Tower Llc	104 feet	1.41 miles
	(4)	City Of Georgetown Texas	110 feet	1.53 miles
	(5)	Sba 2012 Tc Assets, Llc	109 feet	2.23 miles
	(6)	Cellco Partnership	145 feet	2.51 miles
	(7)	Cellco Partnership	99 feet	2.54 miles
Not Registered	(1)	Crown Communication Llc	200 feet	1.34 miles
	(2)	Gte Mobilnet Of Austin Lp	198 feet	1.55 miles
	(3)	City Of Georgetown	120 feet	1.56 miles
	(4)	Voicestream Wireless	150 feet	1.77 miles
	(5)	Chisholm Trail Special Utility District	35 feet	2.02 miles
	(6)	Acc Mc Caw Cellular Of Fresno	160 feet	2.04 miles
	(7)	Williamson County, Texas	400 feet	2.16 miles
	(8)	T-mobile	126 feet	2.65 miles
	(9)	Grace Bible Fellowship	27 feet	2.75 miles
	(10)	T-mobile	106 feet	2.82 miles
Future		(No Towers Detected)		

5G we want that

verizon
800-264-6620
PSLC 514475
SITE HOU MIDTOWN 304 TX
WARNING

5G

- Evolving standard
  3rd Generation Partnership Project
  3GPP
  5G NR Release 15, 16, 17,
- 3 bands
  millimeter-wave 24GHz – 47GHz
  Mid-band 2.5GHz, 3.5GHz, 3.7-4.2GHz
  Low-band 600MHz, 800MHz, 900MHz

- Dish, Frontier,
- Downlink ONLY

Satellite non Elon

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

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

- Questions, suggestions, comments?

SCCCCyber@gmail.com

QUESTIONS?