Sun City Computer Club

Cyber Security SIG

December 1, 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

- Extra Extra Extra care
- They have money issues too
- Extra long presentation today

‘Tis the season

Current Issues

- German Data Protection Authority
  Schools can not use Office 365
  Tracking, Privacy, US Government access
- And France and Google Workspace
- Attackers create Google Voice phone number
  tied to your phone number

https://www.idtheftcenter.org/post/google-voice-scam-tries-to-trick-you-while-you-are-selling-items-online/

- "On the Internet no one knows you're a dog"
- Apple Rapid Security Response 16.2 (a) 16.2 (b)
- PayPal scam

CISA Strategic Plan 2023-25

- Cybersecurity and Infrastructure Security Agency
  Strengthening National approach to cybersecurity and securing critical infrastructure
- Prevention, detection and perimeter security is failing
- Bolster security and resilience
- 76% organizations attacked via ransomware
- 66% suffered some supply chain attack
- Four goals
  enhance ability to withstand cyberattacks
  prepare for and rapidly recover from incidents
  maintain mission continuity during and after attacks
  attacks inevitable reduce impact
  zero-trust tools & technologies

passwords/passphrases

- Password attacks
  Source: Microsoft Digital Defense Report
  921 attacks per second
  74% increase in one year
  Large number still reuse passwords
  Use Multi Factor Authentication (MFA)
  Use password manager

  Passkeys
  Authenticator apps

  Multiple
  Change sensitive accesses

  Microsoft, Amazon, Apple, etc. will NOT contact you!!

- Settings > Passwords
  Password Options
  AutoFill Passwords
  Security Recommendations
  Detect Compromised Passwords

Apple

Android

- Chrome Browser
  Chrome Menu > Settings > Passwords
  Manage saved passwords
- Google Settings
  Select Google account
  Saved Passwords

Current Issues

- Massachusetts Department of Public Health conspired with Google
  Secretly install Covid-19 tracing app
  1 million Android users' devices

  If app was removed, the health agency would re-install

  Health agency, Google, App developers, others
  Device owners' media access control addresses, wireless IP addresses, phone numbers, contacts, emails

  Other states offered these contact tracing apps

  Violation: privacy, unreasonable search, Mass. Own laws

Docker

- Docker Hub
- Docker container images with malware
- Now you know - do *they* know
- Application developers use containers as templates
- 1652 containers so far
- 17,000 downloads
- Crypto miners, AWS credentials, SSH keys, GitHub & NPM tokens

- iCloud website design change
  Customizable
  Change, Hide tiles, etc.

Apple iCloud changes website

- Should your web cam be taped over?
  Information leak -
  spyware & other malware
  Unexplained movements and/or noise
  Got excepted video files?
  Capture for facial Identification
  Capture for in home theft/burglary
  Not transparent tape
  Web cam cover products

Current Issues

- Alexa $10B loss
- Philadelphia & Portland Oregon reinvent pay phone
- Refurbished payphones running Linux PBX
- No coins no pay
- Can not afford mobile phone and fees
- Value privacy
- iSpoof shutdown
- Freebie Bots
- We have your data Not really paid ransom
- 4 Chinese company's products banned from US & UK

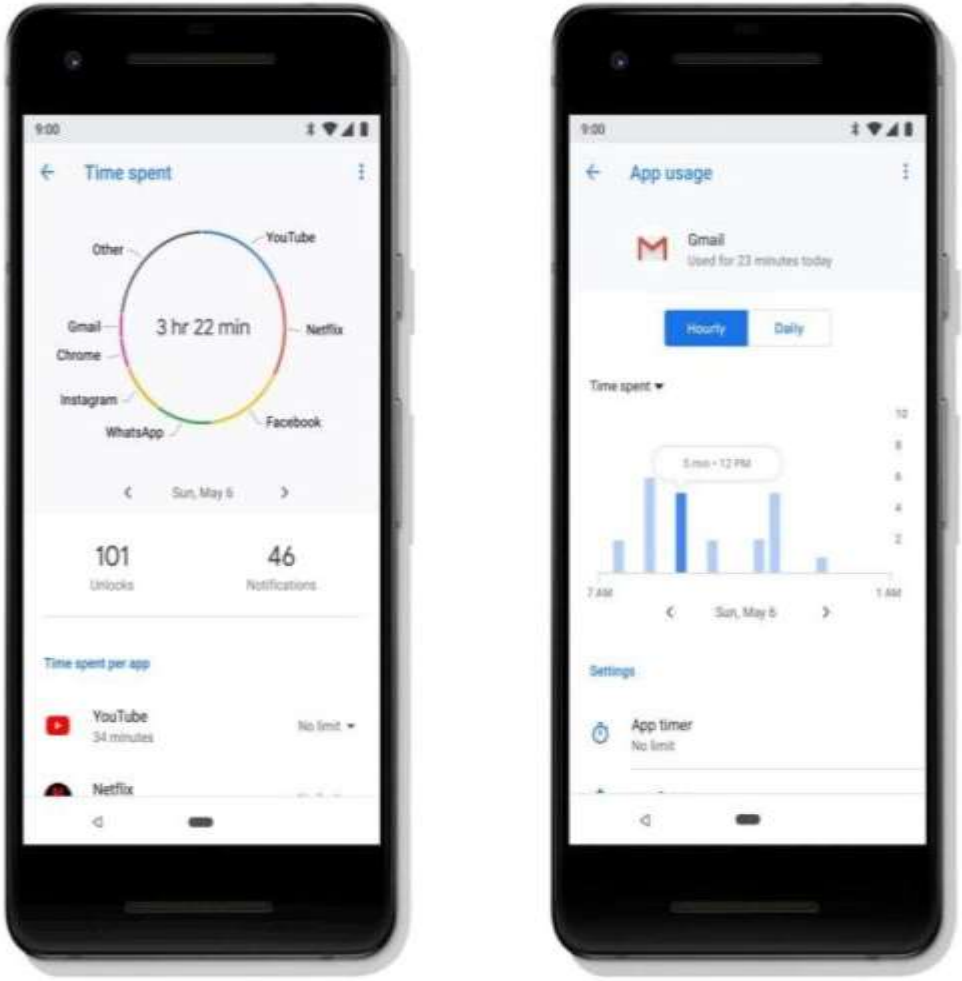
Spy on your smart device

- Spy on your smart phone/tablet/device
  Built-in usage utility
  iDevice Battery Summary or Screen Time
  Android Digital Wellbeing

Last Charge Level
Last Charge Level
Screen On
4h 19m
Screen Off
1h 8m
Avg. Screen On
3h 56m
3h 14m

9:41
Screen Time
All Devices
Devices
Week
Day
SCREEN TIME
Daily Average
7h 24m
18% from last week
avg
Productivity & Finance
10h 49m
Other
8h 32m
Social
5h 44m
Total Screen Time
44h 25m
Updated today at 9:41 AM
LIMITS
Social
2 hr
MOST USED
SHOW CATEGORIES
Safari
Mail
Support

iDevices


9:00
Time spent
Other
YouTube
Gmail
3 hr 22 min
Netflix
Chrome
Instagram
Facebook
WhatsApp
Sun, May 6
101
Unlocks
46
Notifications
Time spent per app
YouTube
34 minutes
No limit
Netflix
9:00
App usage
Gmail
Used for 23 minutes today
Hourly
Daily
Time spent
Sun, May 6
Settings
App timer
No limit

Android

- FILLED WITH ADS
- REAL Number??
- gethuman.com

Customer Service

Macy's Phone Number

Call Macy's customer service faster with GetHuman

800-289-6229

CUSTOMER SERVICE

Current Wait: **19 mins** (8m avg)

Free: Skip Waiting on Hold

Hours: Mon-Fri 9am-5:30pm EST; best time to call: 9:10am

Get targeted help: Tell us the issue so we get you to right rep, offer relevant tips, reminders & follow-up!

Refund order

Missing order

Return order

Technical support

A different issue

Get to a live person fastest: Press 3, then 1, then 1, then 2, then 2, then 2 then 0

Current Issues

- Hackers Moldovan Government officials
  grossly modified
- Cobalt Strike abuse Helpful <-> Harmful
- FBI director "we do use offensive cyber"
  Cyber tools once used are now known
  We took down our own
- Z-Library domains taken down
  250 domains textbooks & research
- OMB create and maintain list
  May 2023 thru 2035
- Business eMail Compromise (BEC) schemes
- Offshore Oil & Gas installations
- Apple analytics may tie to iCloud account
- FBI purchased Pegasus $5M
- Apple devices seized by LE in Brazil

Current Issues

- Greece purchase Predator for €7M
  €150,000 /mo 10 new targets
- 1Password adds support for passkeys
- Apple firmware updates
  AirPods, AirTags, MagSafe charger, HomePod mini
- Sports Betting account takeovers
  World Cup
- Twitter data breach(es)
  Vulnerability – Phone Number and/or email
  Find Twitter internal identifier -> Twitter handle
  "we fixed that" did not report breach
  500,000 per hour
  Reporting resulted in Twitter account suspended
  Attempts to confirm - Entire media relations team gone

Google Location Tracking

- $391 million
  40 states
  Location tracking 2018
  “we changed”
  More helpful experience using our tools

  Not for tracking
  For tracking when we agreed we would not

  Auto-delete controls 3, 18 or 36 months
  Incognito mode in Google Maps
  Your Data tools in Maps and Search

  2021 revenue $257 billion

- Lost Wallet

- Keys
- Luggage
- Pets
- Cars
- Motor Cycle & Bikes
- Guns
- People

AirTags, Tile, Bluetooth Trackers

Safer

- Emotions, Urgency, False value – social engineering
- All/most eMail links are useful
- Too truthful
- Unnecessary sharing - social media
- Social media profiles – too open
- Information for free
  Apps, sites, surveys, …
- Clear histories
- Security suites
- Password reuse - credential stuffing
- Password manager(s)
- Internet Live with history/hints
- Multi Factor Authentication
- UPDATE security suites, browsers, OS, apps, firmware
- Wi-Fi public beacon
- Check finances often
- Check often for new security features

Phishing Clues

- Not addressed to you
- Does not seem like them
- Has an attachment
- Company wanting info via eMail
- Won something

Fibre vs copper

- Pros
  BANDWIDTH
  less power loss
  Less or no electromagnetic interference
  Hard to tap
  Last longer than copper
- Cons
  Difficult to merge, maintain, install
  Cost
  Landscape disturbance
- Projected costs ~ $50/install ~$75/mo
  No taxes, no fees, no contract

T-Mobile Home Internet Service

- IoT SIG Presentation March 10, 2022
- https://www.sctexas.org/Files/Library/29653/T-MOBILE-HOME-ISP.PDF

- T-Mobile data breaches
- Attenuation
- Not mobile

VPN

- Expert advise avoiding:
  SuperVPN, Hola Free VPN, Psiphon VPN
- VPN selection:
  Logging
  Privacy Policies
  Headquarters location
  Leaks & breaches
  Security AES-256, kill switch, multihop
- Gotchas
  GDPR policies
  VPN for any/all connections
  WEB is connectionless

Caution

Privacy Based Browsers

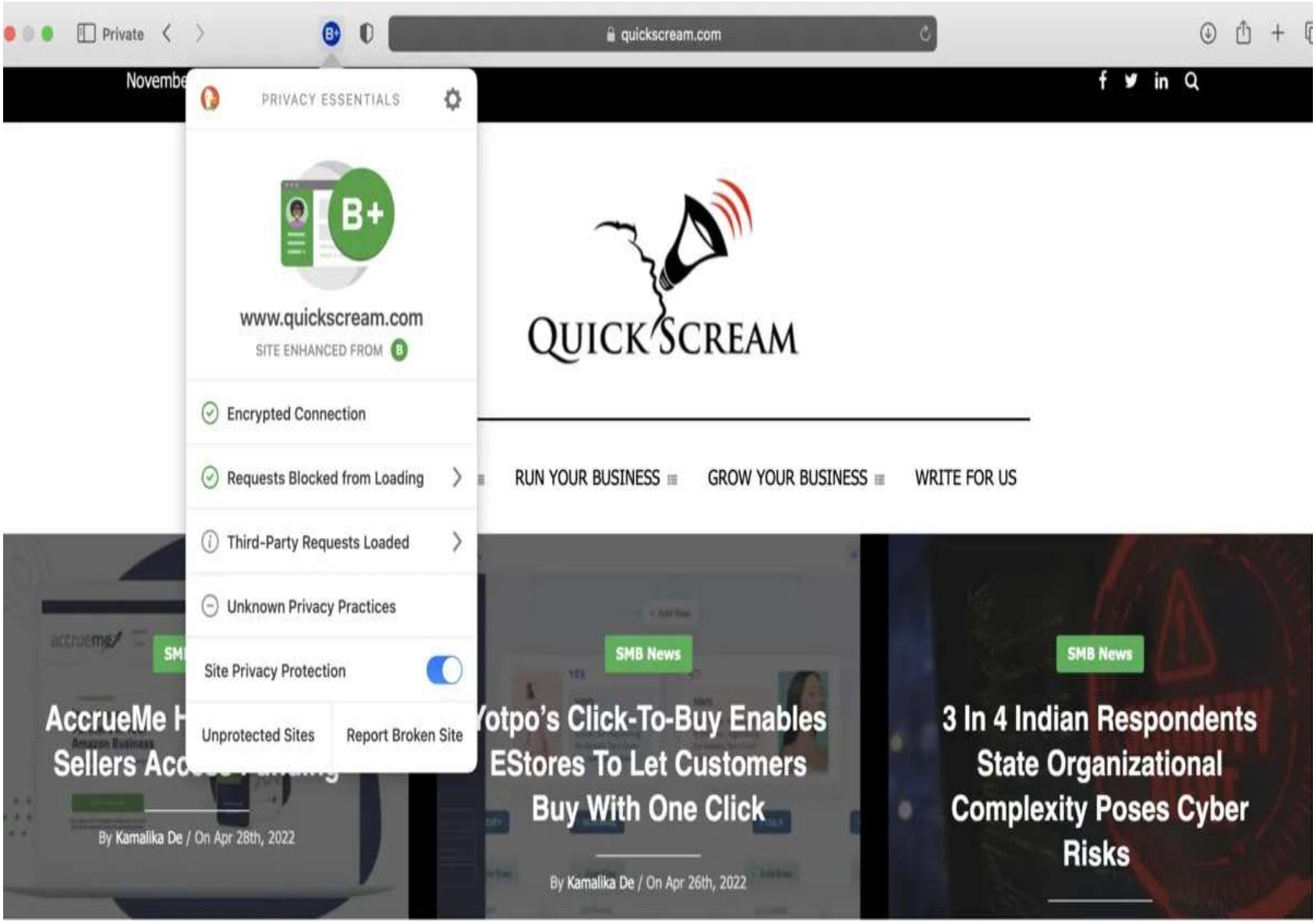
- LibreWolf
  Firefox based with uBlock Origin
- Pale Moon
  Open Source no data collection
- SnowHaze
  iOS Safari alternative hard to get
- Mull
  Privacy focus for Android
  Obtain from F-Droid Android app store

Current Issues

- Repair technicians stealing customer info
- LastPass breach reported 1-Dec-2022

DuckDuckGo Privacy Essentials

- Browser add-on / extension
- Most browsers
- Block all third-party trackers
  Before they load
- See “Privacy Grade” of sites


Private
quickscream.com
PRIVACY ESSENTIALS
B+
www.quickscream.com
SITE ENHANCED FROM B
Encrypted Connection
Requests Blocked from Loading
Third-Party Requests Loaded
Unknown Privacy Practices
Site Privacy Protection
Unprotected Sites
Report Broken Site
QUICK SCREAM
RUN YOUR BUSINESS
GROW YOUR BUSINESS
WRITE FOR US
SMB News
By Kamalika De / On Apr 28th, 2022
SMB News
Buy With One Click
By Kamalika De / On Apr 26th, 2022
SMB News
3 In 4 Indian Respondents State Organizational Complexity Poses Cyber Risks

Form-Grabbing Malware

- Browser Form Data
  - Data from pasting, autofill, virtual keyboard
  - Not keylogging - better
- Malware inserted between browser and network
- Before encryption
- Browser Helper Object

WiFi Extender Booter Repeater

- Hard wire if possible

- Extender Cable to another WAP
  Cable in ceiling
  Use home powerline
  Different network name
  Boost reach not strength
- Repeater Wireless access to WAP
  Cut available bandwidth by half
  Interference
- Booter marketing for one of the above

Figure 1: All Cyber Defense Index country rankings, 2022-2023

The leaders	The 5 countries making the greatest progress and commitment toward creating a cyber defense environment.	1	Australia	7.83
		2	Netherlands	7.61
		3	South Korea	7.41
		4	United States	7.13
		5	Canada	6.94
The challengers	The 10 countries making progress or commitment toward creating a cyber defense enviroment.	6	Poland	6.91
		7	United Kingdom	6.79
		8	France	6.78
		9	Japan	6.71
		10	Switzerland	6.45
		11	Italy	6.37
		12	China	6.27
		13	Germany	6.24
		14	Spain	6.13
		15	Saudi Arabia	5.55
Strivers	The 5 countries making slow and uneven progress or commitment toward creating a cyber defense environment.	16	Mexico	5.31
		17	India	4.87
		18	Brazil	4.75
		19	Turkey	4.26
		20	Indonesia	3.46

Source: MIT Technology Review Insights, 2022

App Store Preview

Open the Mac App Store to buy and download apps.

Permission Slip by CR 4+

Take back control of your data

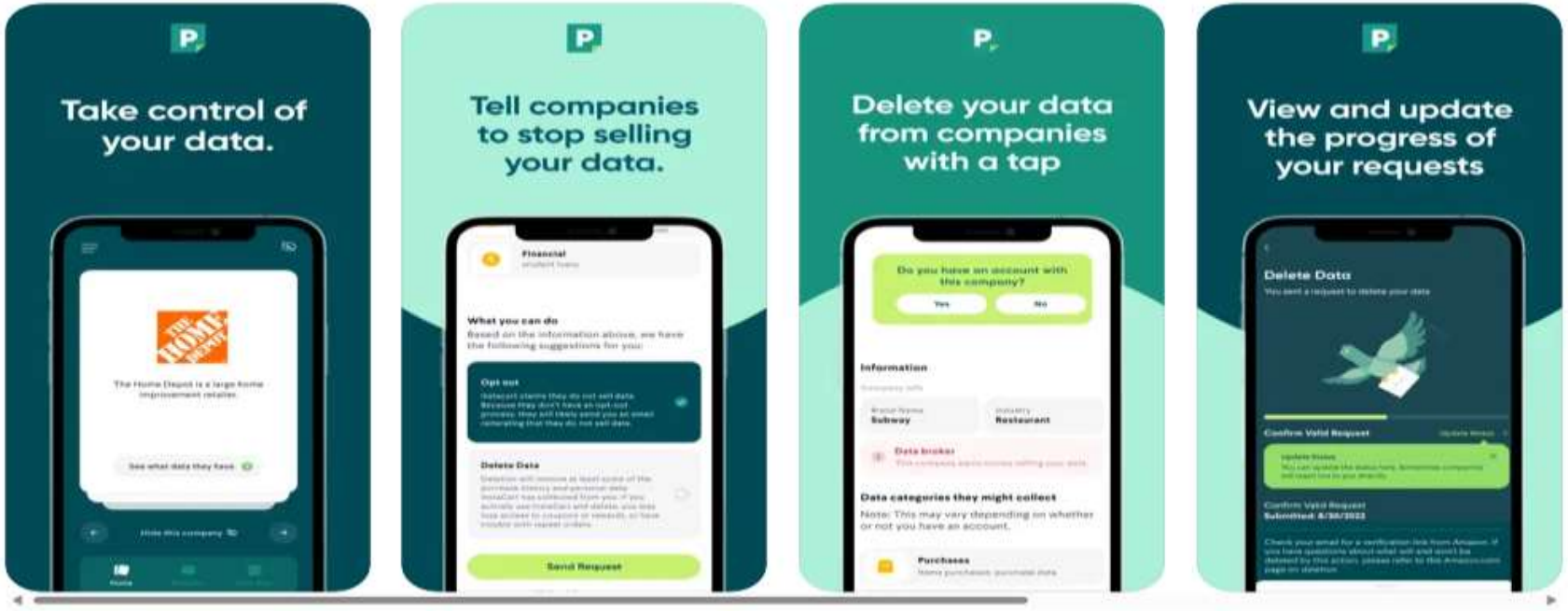
Consumer Reports

Designed for iPhone

★★★★★ 4.8 • 21 Ratings

Free

iPhone Screenshots



- GDPR
- CCPA
- https://www.youtube.com/watch?v=QF_aiIZwFwY
- Be careful

  You might get what you asked for
- Law compliance made difficult
- Law jurisdiction

  did they really honor request

Your (?) Data Your (?) Privacy

Acxiom | Archives | Background Alert | BeenVerified | CheckPeople | CheckThem.com | Classmates.com | ClustrMaps | CyberBackgroundChecks | FamilyTreeNow | FastPeopleSearch | FreePeopleDirectory | Homemetry | IDTrue | InfoTracer | InstantCheckmate | Intelius | Neustar | MyLife | Nuwber | Oracle | PeekYou | PeopleByName | PeopleFinders | PeopleSearchNow | Persopo | Pipi | Private Eye | PubilcRecordsNow | Radaris | SearchBug | SearchPeopleFree | SearchQuarry | SmartBackground Checks | Spoke | Spokeo | Spy Dialer | TruePeopleSearch | That's Them | TruthFinder | Twine Data | USA People Search | US Search | USPhoneBook | Verecor | Viant | VoterRecords | White Pages | WHOODLE | Xlek | ZoomInfo

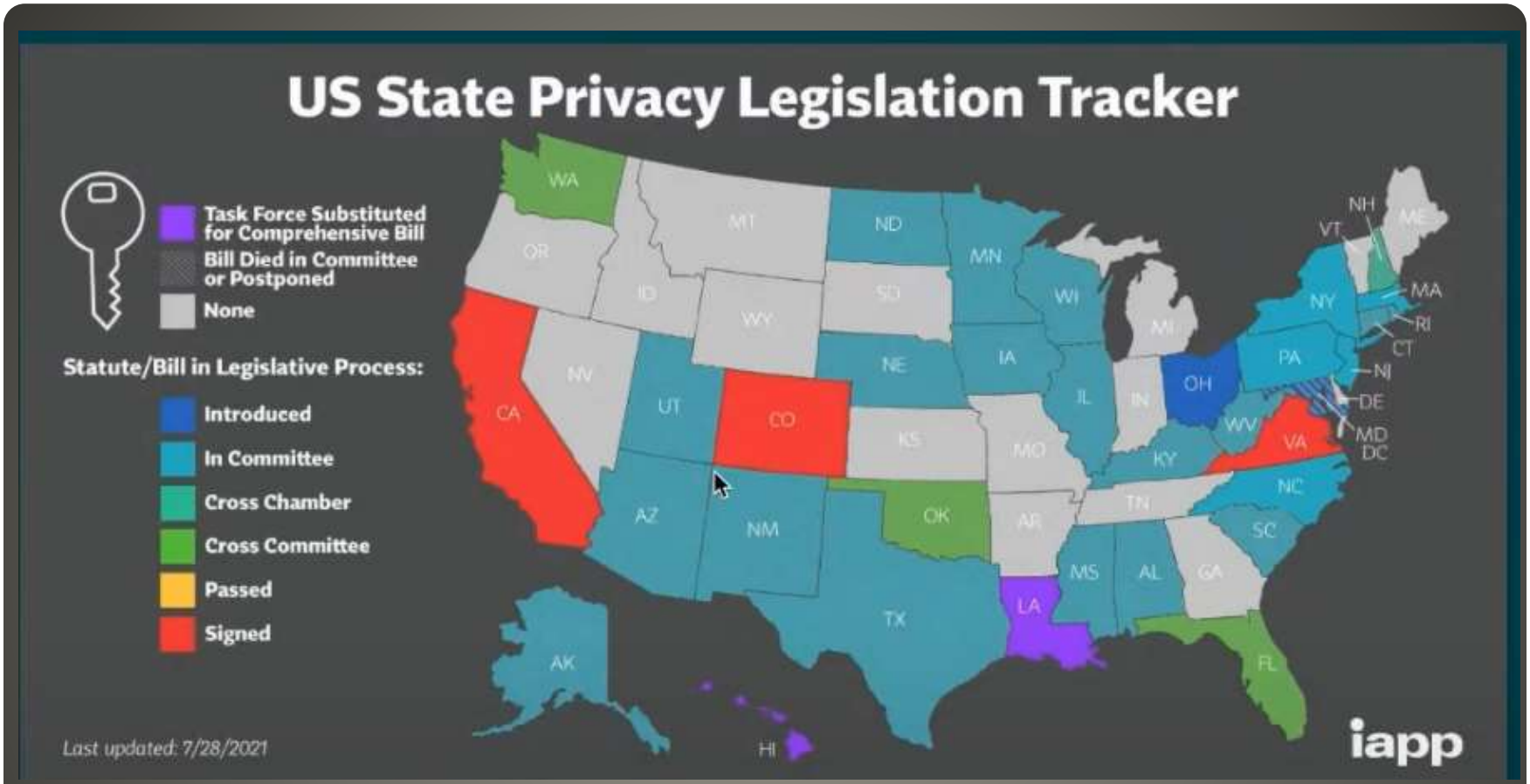
Data Brokers

Permission Slip

- Pay tier $5/mo
- Authorized Agent provision
- “Here is the data I will pay you to protect”
- “oh heck, this company can’t data broker we need to create a new company to sell the data”

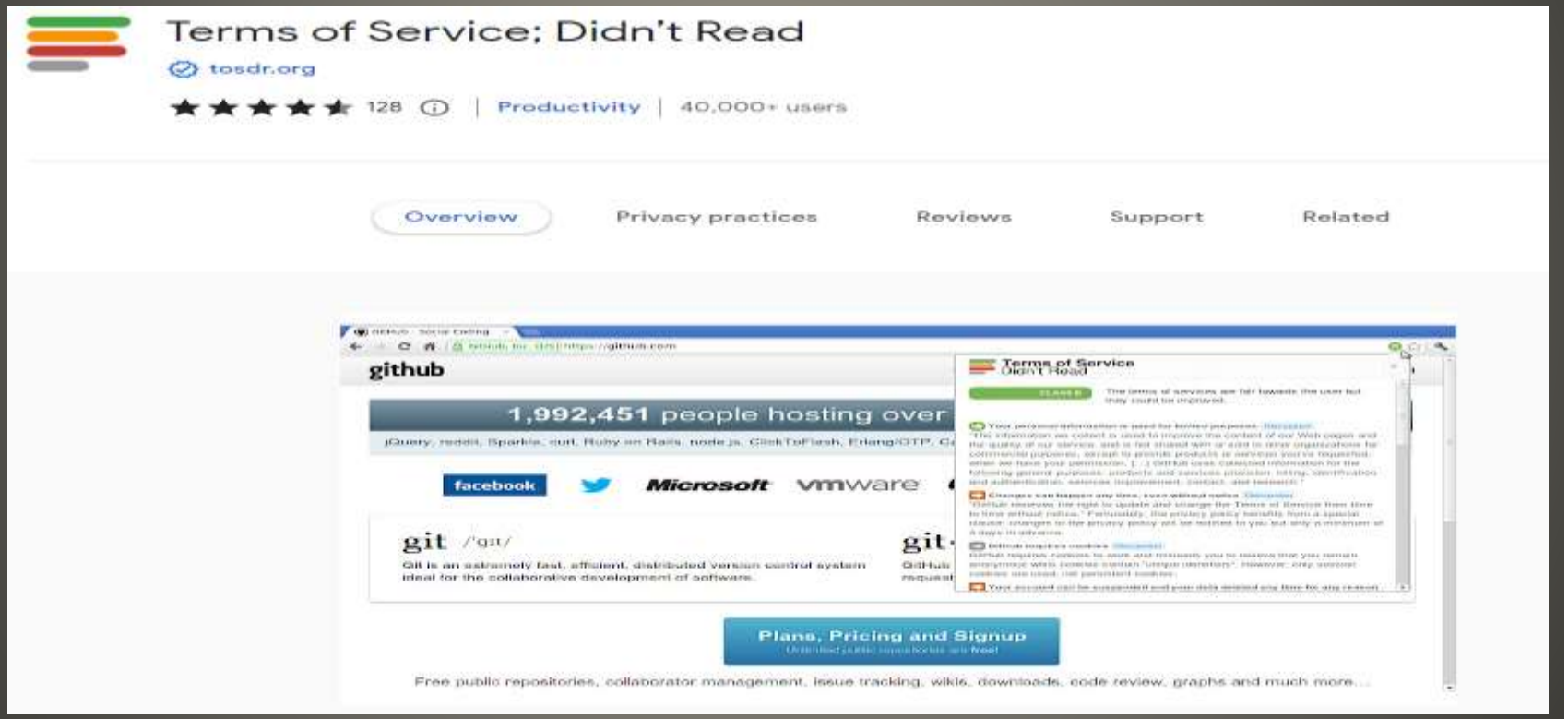
Privacy Policy
Terms of Service

VPN with IP address out of USA



Legislative process/progress

- Cost of compliance < Cost of fines
- Many comply > Shady ones will benefit



Privacy Policy Terms of Service

- Data Donation
- Authorized Agent
- Security Planner

- Your data Helpful <-> Harnful

Consumer Reports Permission Slip

- 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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