PWC G8 Gals@Technology
Home Technology

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Scott Ksander
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- 40+ years in the IT field, 26 years at Purdue
- Wrote his first program (FORTRAN) when he was in 5th grade. Purdue degree in Computer Science.
- Areas of interest – systems development, networking, security
- In retirement, Scott writes a technology column for the Purdue Retirees Newsletter and does presentations for the Purdue Women's Club
- Scott and Peggy enjoy life with their kids and grandkids – especially on trips to DisneyWorld (next trip June '23. Planning in full swing.)
- Scott grew up in Chicago and Peggy grew up in Fish Lake, Indiana (city boy meets farm girl at Purdue story – and the adventure continues …)

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Current Events

- Indiana BMV is selling "personal information" and made nearly $25 million doing it!
- Information includes name, date of birth, address, past address, odometer reading make and model of car, and license plate number.
- BMV customers do NOT have the option to opt out.
- Is this outrageous? Yes, mostly because they didn't inform Indiana citizens.
- Are we in danger? No, because this information is considered "public information" and is available to anyone if you know how to find it.
- Should we protest? Yes, but consider the bigger question of Indiana information is mostly "public information".

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ChatGPT

- Think of it as an intelligent Google search
- New version GPT4 just released.
- Microsoft plan for build AI into Excel, Word, and Outlook and a new "chat" function called Business Chat
- Google plans to integrate AI into Google Docs, Gmail, and Slides
- ChatGPT+, paid version, is $20/month
- GPT-4 passed exams including LSAT, SAT, Uniform Bar Exam, and GRE
- "Intelligence" is only as good as available data. Accuracy is not checked.

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Father of the Bride

On The Roof

Short look at my video for my
daughter's wedding at the end
of the presentation

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Home Security Technology

- Contract Required?

- Monthly cost for recording
  and professional
  monitoring?
  - $10/mnth - $35/mnth

- DIY

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SimpliSafe

- Month subscription for monitoring - $17.99/mnth
- Initial investment – $245, available on Amazon
- Door, smoke, motion, Panic Button
- Cameras (inside and outdoor)
- 60 day money back guarantee

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SimpliSafe

- Pros
  - Affordable
  - No contract
  - Quick and easy installation
  - Cellular and Wi-Fi connectivity
- Cons
  - Indoor camera quality low

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Ring

- Not just a doorbell anymore
- Indoor and Outdoor cameras
- Subscriptions for records only
    - $4/mnth - $10/mnth
- Subscriptions for full monitoring
    - $20/mnth

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Ring

- Pros
    - Built-in Wi-Fi 6 router (Pro option)
    - Excellent power and internet backup solutions
    - Supports Alexa integration
    - Works with Ring and other 3rd party devices

- Cons
    - Some features require subscriptions

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DIY – Local DVR or Cloud Recording

REOLINK

ARLO

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SLK Mixed Mode DIY

- Water sensors – YoLink
- Smoke and Carbon Monoxide - Nest
- Exterior Cameras
  - Mixed vendors that support ONVIF standard (Open Network Video Interface Forum)
  - Blue Iris "DVR" running on PC
    - Saves to local storage
    - Does configurable motion detection

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Home Network Protection

- Router Based
  - Armor
  - Bitdefender

- Device Based
  - Norton 360
  - McAfee
  - Trend Micro
  - Avast One
  - Webroot
  - Built-in for Windows and Mac

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Device Based Security

- Most important thing – use one AND keep it current


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Cyber Insurance

- Insurance is NOT a replacement for security
- Insurance doesn't stop anything. It helps you pay for the cleanup.
- Is it "worth it"?

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Router Technology

- Router tech has been pretty stable with most changes involving support for IPv6, Wi-Fi 6, and better coverage.
- IPv6 isn't really a factor now in the United States.
- Wi-Fi 6 is interesting but not really important for non-gaming users.
- Coverage now is all about mesh Wi-Fi
- EasyMesh standard for interoperability is coming this year.
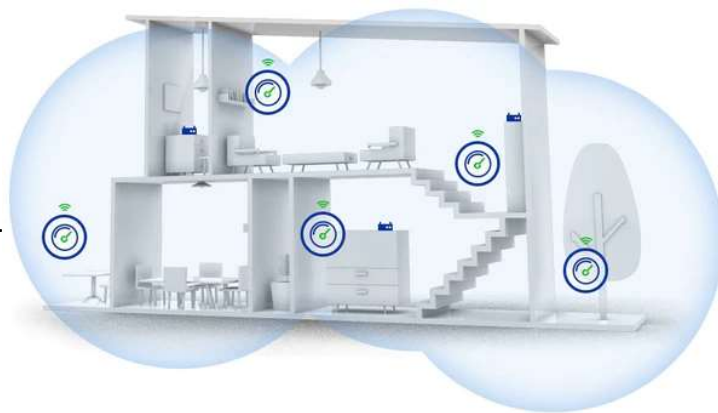
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Router Technology

If you have to replace your router now, look at something like Eero. Three pack for $169 at Amazon. Otherwise, wait for next generation.
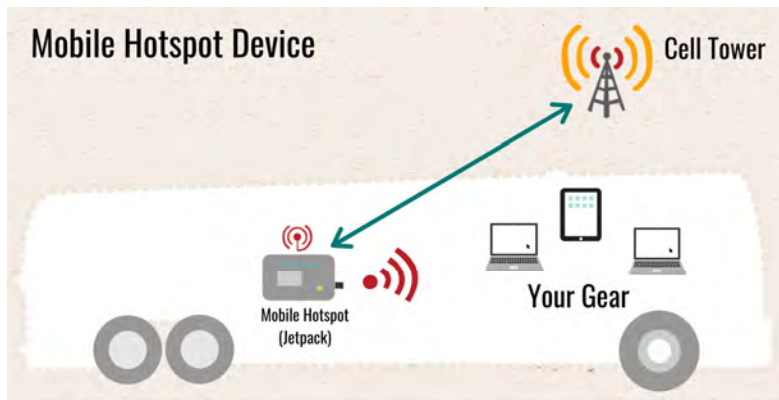
Whole-home WiFi coverage for all your devices

eero
an amazon company

Simple, reliable WiFi

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Mobile Hotspot (4G, 5G)

- Might be a replacement for cable if your usage is low and you already have an "unlimited plan" with your cell provider
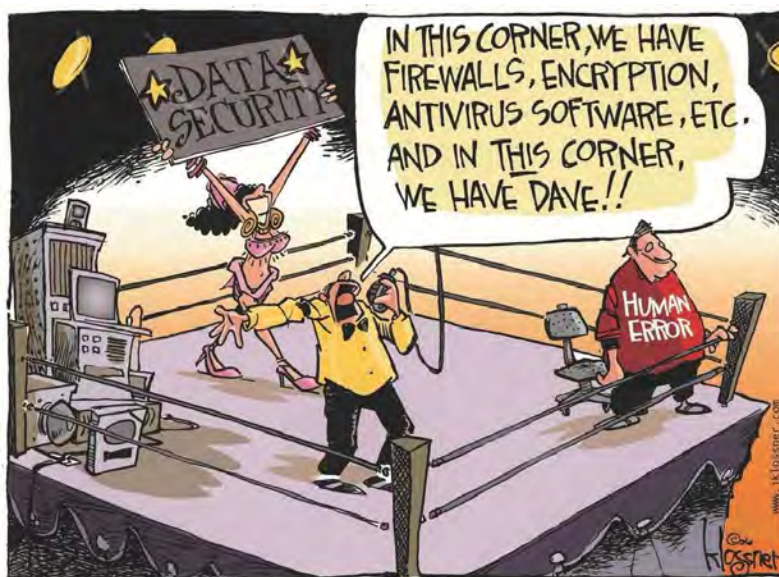- Handy for travel but need to watch the data plan usage

Mobile Hotspot Device

Cell Tower

Mobile Hotspot (Jetpack)

Your Gear

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Mobile Hotspot

- Use the technology your cell vendor carries
  - AT&T – Netgear
  - Verizon – Orbic
  - T-Mobile – Inseego

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