







# Scott Ksander ksander@purdue.edu



- 40+ years in the IT field, 26 years at Purdue
- Wrote his first program (FORTRAN) when he was in 5<sup>th</sup> 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
- 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 ...)



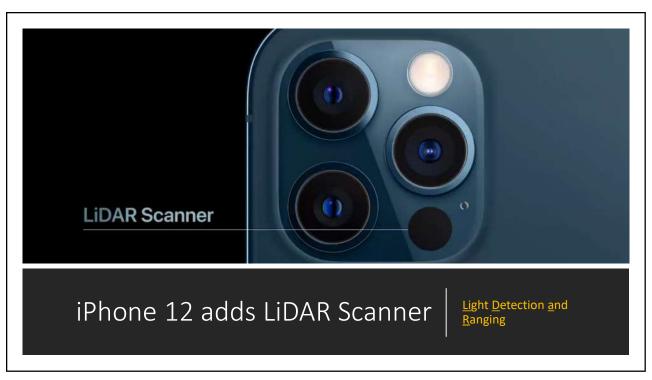






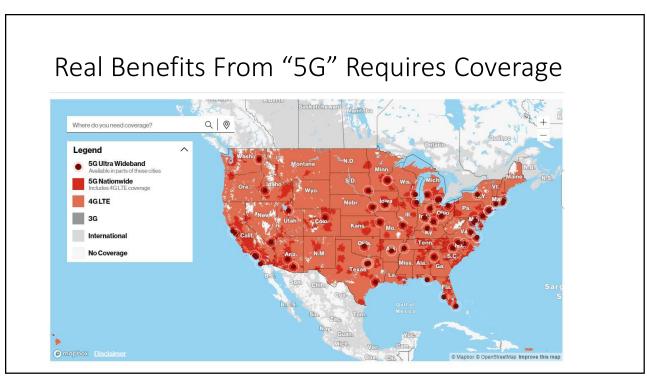








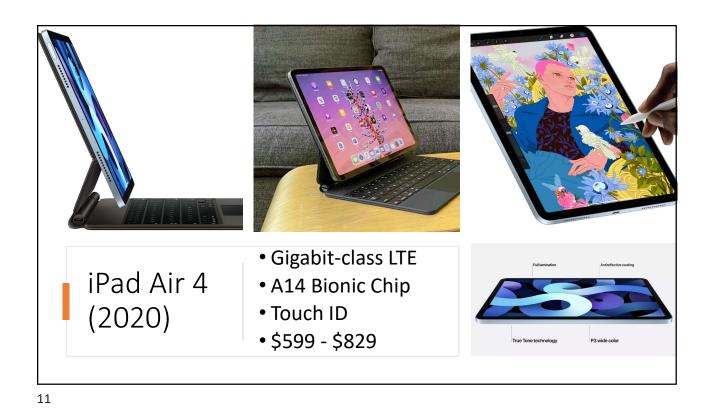




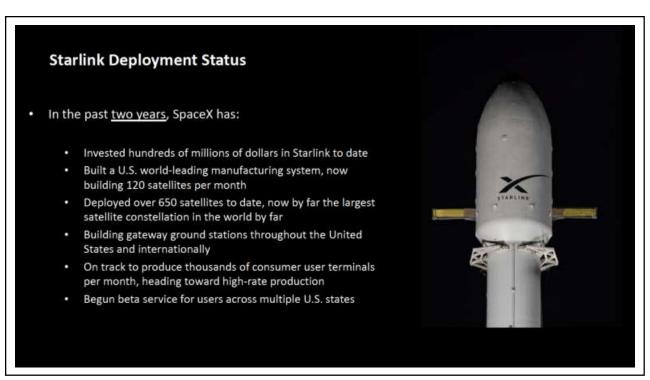
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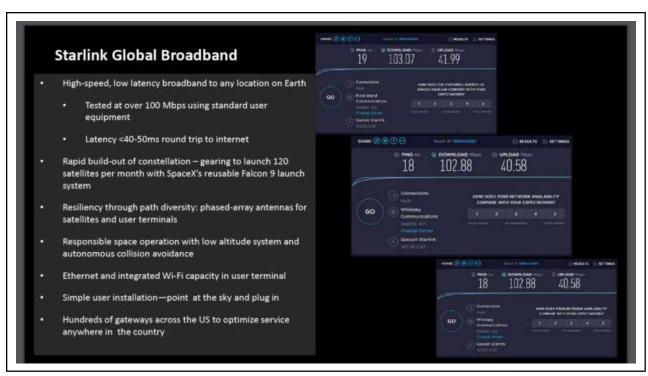


Missing From iPhone 12









# **Current Topics**

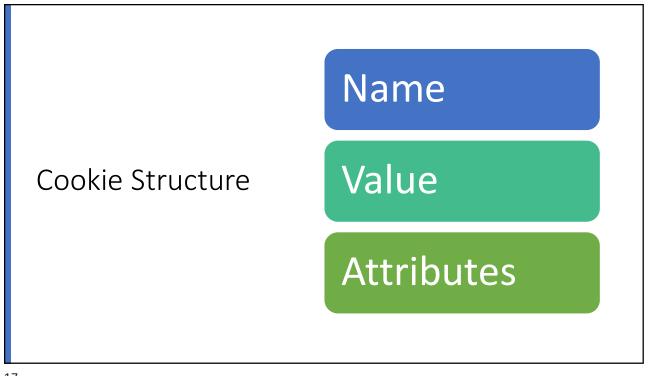
- End-of-Support for Office 2010 (October 13, 2020)
  - IT WILL STILL WORK!!
  - New file formats list xlsx can be a problem but all new version still produce backward compatible files line xls
- Office 2013 EOS is April 11, 2023
- Office 201<u>6</u> EOS is October 14, 2025
- Office 201<u>9</u> EOS is October 14, 2025
- Microsoft 365/Office 365 subscription is the future
- Google Apps is still a distant second





#### Let's Talk About Cookies

- First usage was June 1994. Based on the Unix term "Magic Cookie" which is a packet of data a program receives and sends back unchanged.
- Original motivation was for the web server to not retain transaction information due to privacy concern. Data would be kept as a Cookie by the originating browser.
- Initially Cookies were accepted by browser as default and most users had no knowledge of their usage
- Came into public view in 1996 when discussed by the Federal Trade Commission





#### There are 3 Basic Types of Cookies

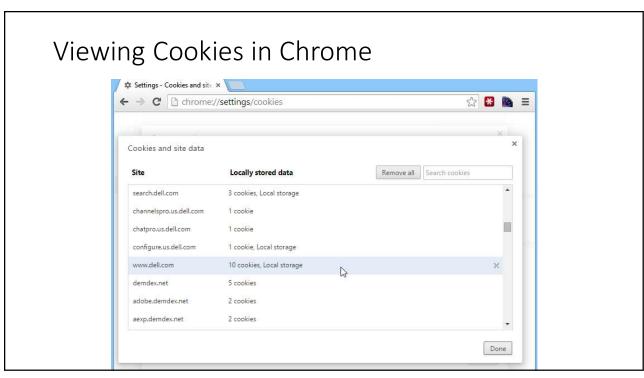
- Session Cookies
  - "Temporary" Cookies are website "memory" since every click is a new event to the web server.
    A good example is your shopping cart.
- Persistent Cookies
  - These Cookies track your preferences such as language and sometimes even authentication
- Third-Party Cookies
  - Also sometimes called Tracking Cookies. These Cookies collect your behavior and are most often used for advertising purposes

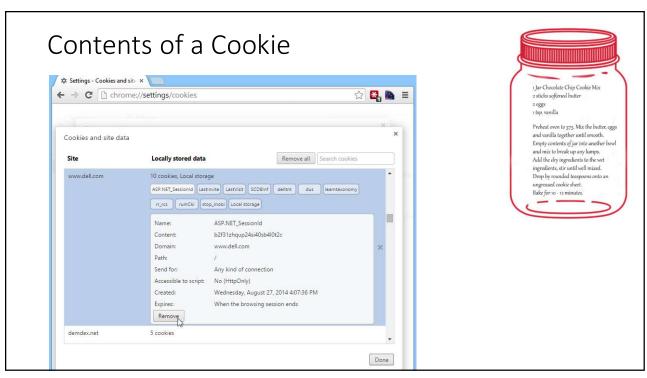


- Cookies only contain text
- They can not be executed
- A Cookie can not cause any action such as pop-ups
- Again, Cookies can not cause

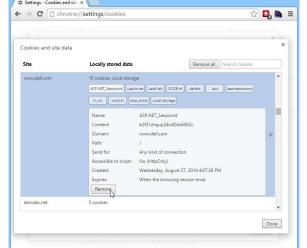
## A Likely Scenario

- You login to Amazon. Your browser receives a "first-party Cookie" because it was sent directly from the Amazon domain you accessed
- On the Amazon homepage there is an ad from nosyad.com
- Your browser also accessed the ad and gets a cookie from nosyad.com
- When you login to Facebook, your browser sees an ad from nosyad.com and downloads a Cookie. You now have 2 Cookies for nosyad.com and both Amazon and Nosyad know it.





### This is a Session Cookie





Content contains b2d31z ....

For the server, this is how one web page is known to link to another

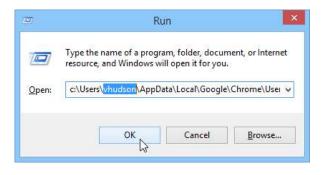
Expire attribute set to "When the browser session ends"

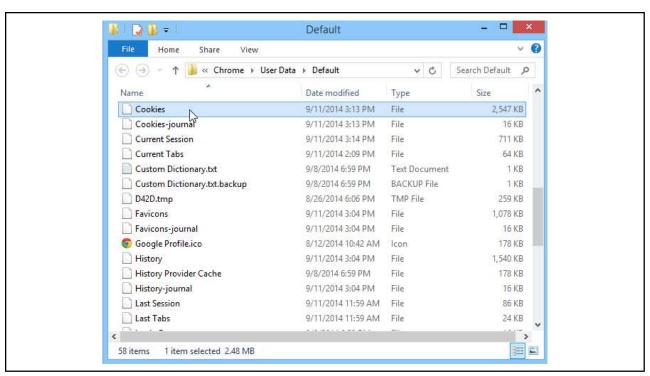
For example, this is why your Cart is lost when you close the website

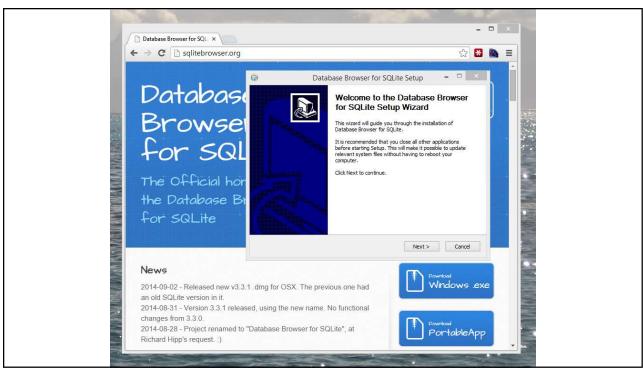
### Chrome Stores Cookies as a Database

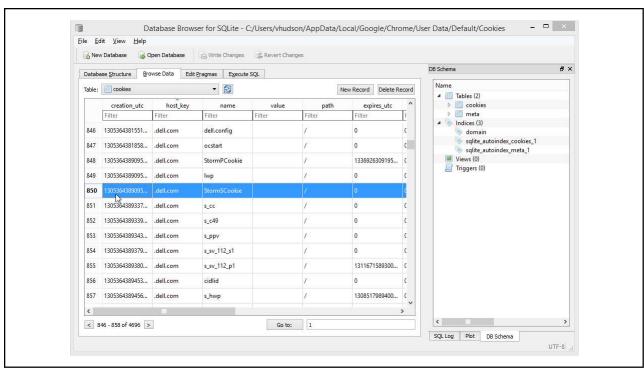


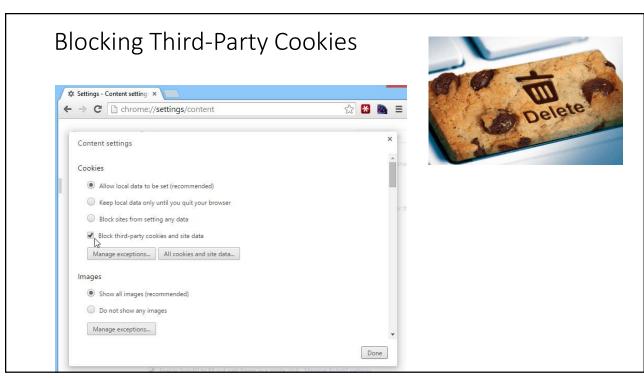
 $c:\Users\{\it your\ id}\\AppData\Local\Google\Chrome\User\ Data\Default\$ 











#### **Bottom Line on Cookies**

Roughly 40% of internet users block third-party cookies and under 5% of internet users block first-party cookies.

All in all, different people will have varying opinions on computer cookies. Some will enjoy the benefits of personal preference and memory, others may feel they are completely intrusive, and the rest will fall somewhere in-between. Understanding of the different types of computer cookies will help you decide your opinion on these data files. So, know your cookies and become familiar with your browser settings to craft the online experience that's right for you.

