Going Mobile

WLS CYBER SMARTS SERIES

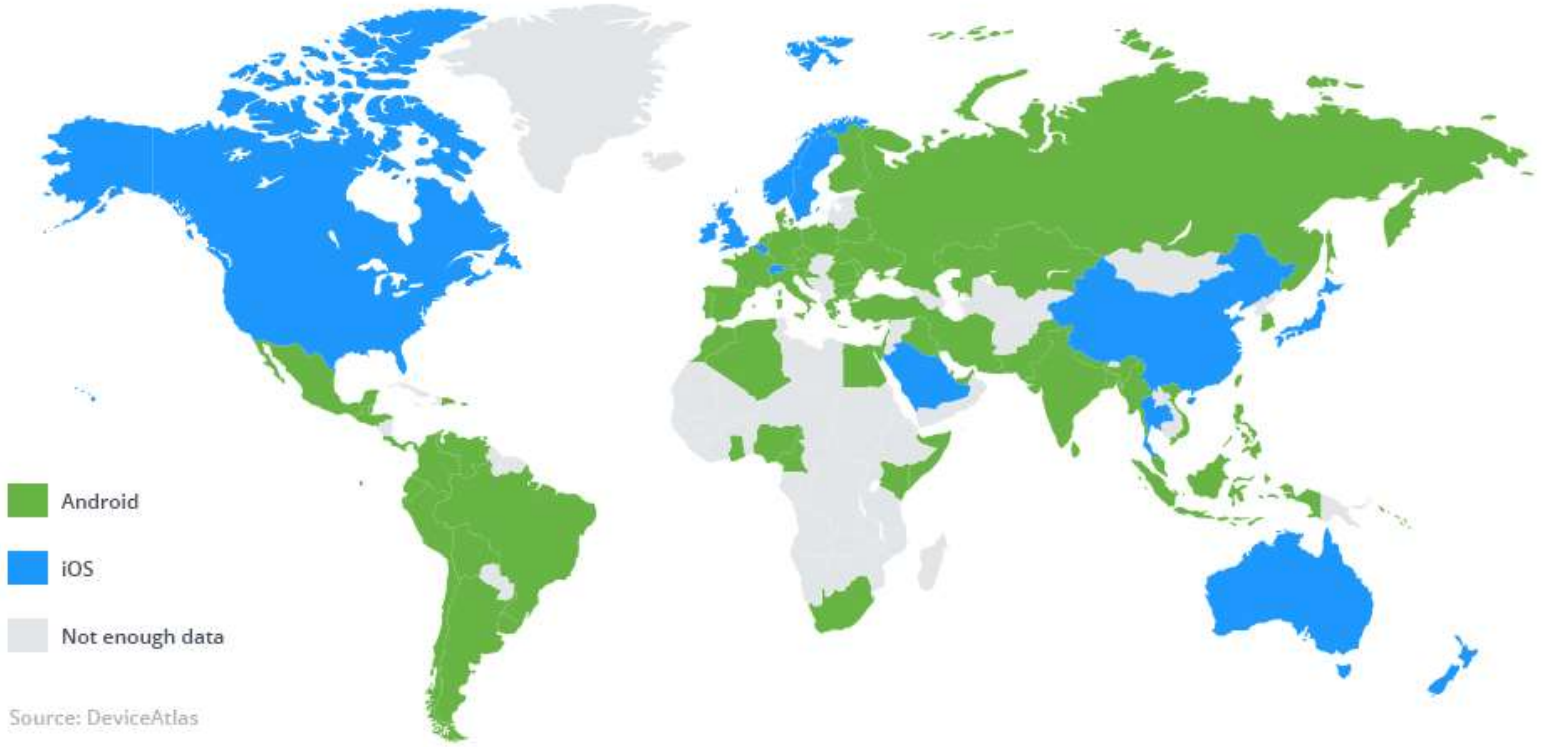
Agenda

- Mobile devices
  - iOS and Android
  - Phones and tablets
- Device security
  - Hardware
  - Operating System
  - Apps

Mobile devices

There are an estimated 200 million smart mobile devices and two billion such devices worldwide – 85% of Americans!

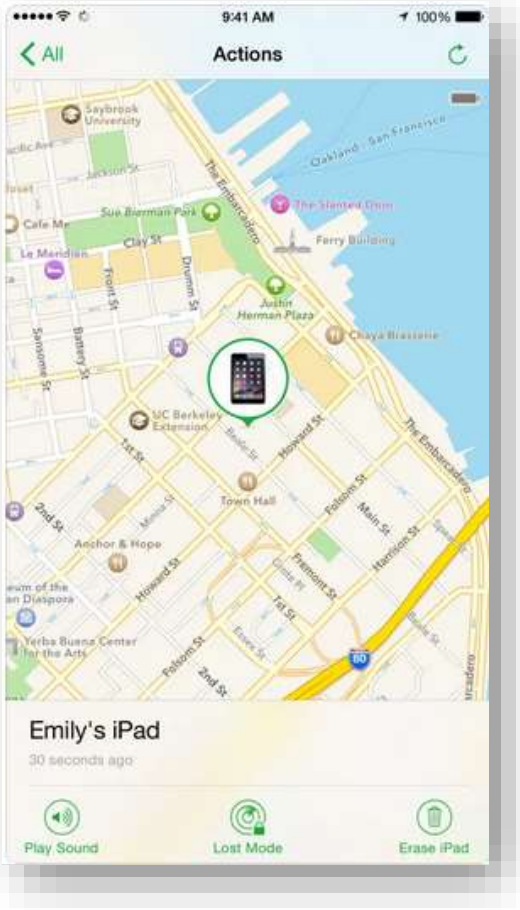
- iOS
- Android



Hardware Security

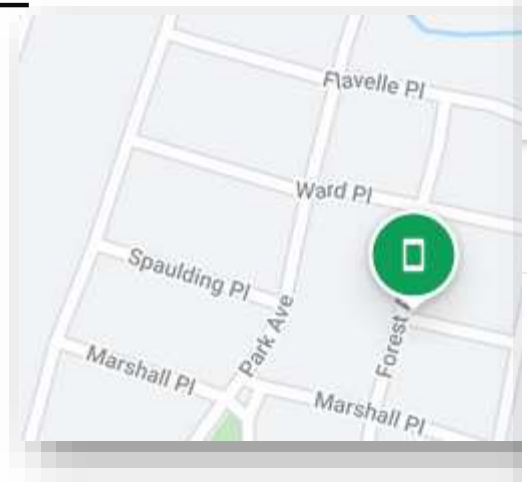
- Never leave your laptop or mobile device unattended
- Use a passcode or biometric security feature
  - iPhone XS and XR use Face ID; older phones use Touch ID, a fingerprint
  - Android uses passcode or pattern
- Set up device finder
  - Apple Find My Phone
  - Android Find My Device

Setting Up Device Locators



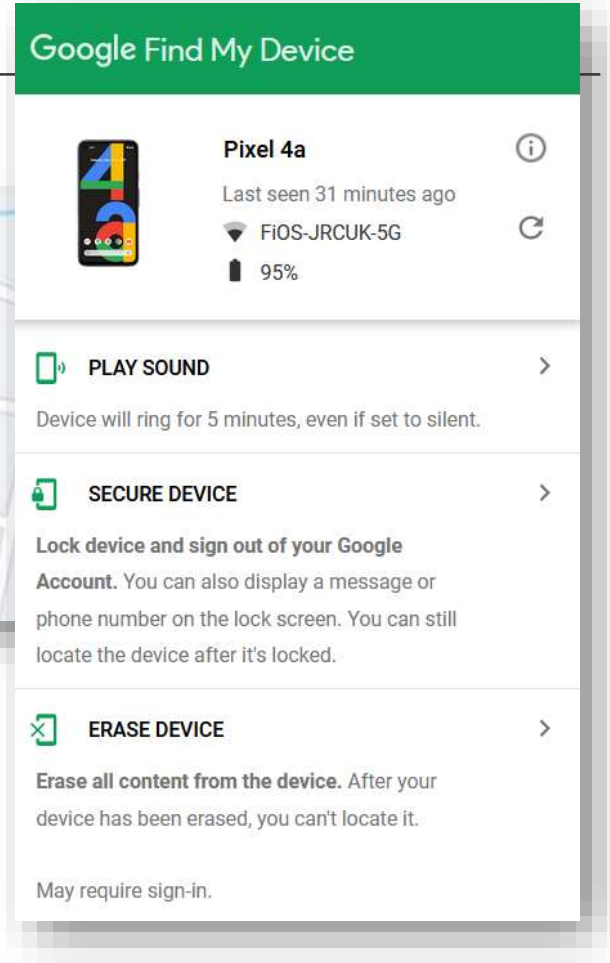
iOS Find My Phone

- Locate
- Mark as Lost
- Erase



Android

- Find My Device
- Device Manager



Essential Security

Update devices	Update apps	Remove apps	Back up	Wipe
Turn **on Automatic updates** in your Settings •iOS •Android	Make sure all security and apps are up-to-date	Remove apps that you don't use regularly •iOS •Android	Back up your phone or device to the cloud and/or an external hard drive •iOS •Android	Wipe your device before you sell, donate, or recycle it iOS Android

Set a weekly or monthly reminder on your calendar so you remember to check your phone's apps and settings

Apps

- Download only from trusted sources or stores
- Check download rates, read reviews, and verify the developer before choosing
- Set up apps that use sensitive data with Multi-factor Authentication
- For Location-based services, set to
  - Turn off
  - Only while in use
- Uninstall apps that you haven't used recently

Privacy Browsers

Wired recommends a Privacy Browser

Browser	Android	iOS
DuckDuckGo	Get	Get
Brave	Get	Get
Ghostery	Get	Get
Firefox	Get	Get
Firefox Focus	Get	
Tor	Get	Not Available

Use Email Safely

What to watch for?

- Phishing emails that "lure" you to click a bad link, log in, or enter PPI (Protected Personal Information)
- Requests for immediate action, especially about your accounts, passwords, or money

What to do?

- Pause and count to 5 before clicking!
- Beware a sense of urgency!
- Go to the source for confirmation
- Report phishing emails to your email provider

Beware Smishing

Smishing is any kind of phishing that involves a text message

- Verify the URL is legit.
  - Copy and paste it into a URL verifying website like https://www.virustotal.com
  - **If in doubt, don't click!**
- Take a screenshot of the text and send to the supposed source or your IT support

Watch out for email phishing too!

Symptoms of a Malware Attack

Tell-tale signs and symptoms of a possible malware attack

- A sudden increase in mobile data usage
- Device battery is draining at a faster pace than usual
- Overall reduced performance in your cell phone
- Unexplained apps may be downloaded onto your device
- Unexplained charges to a phone bill
- An abundance of pop-up advertisements

WiFi Connections

- Disable automatic connections and turn your Wi-Fi Connection settings to a manual or non-automatic mode.
- Check the network: Make sure it's legitimate. Avoid:
  - There isn’t an opt-in page when you log on
  - The Wi-Fi network has a vague name
  - Confirm the network name with someone trustworthy
  - A network that requires you to install something before you can use it
- Don't use your mobile wallet over unsecured WiFi
- Consider installing and using a browser that has a built-in VPN option like Firefox or Opera

Cybersecurity Essentials

Keep your mobile devices physically secure.

Keep software, especially antivirus software, updated and on.

Use Multi-factor Authentication, strong passwords, and a password manager.

Trust your instincts – if something seems off or suspicious, contact your IT team or WLS IT.

Links & Support

- Pew Research Center Mobile Fact Sheet
- National Security Alliance Stay Safe Online Mobile Security Fact Sheet
- FCC Smartphone Security Checker
- CISA Mobile Security Tip Card
- Verizon Mobile Device Security
- 6 Ways to Identify If You're Using Fraudulent Wi-Fi ...

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