

# 21<sup>st</sup> Fall Conference

**Road Warriors—A Hands-On  
Practical Demonstration of  
Technology & Ethical Perils**

## *Security on the Fly*

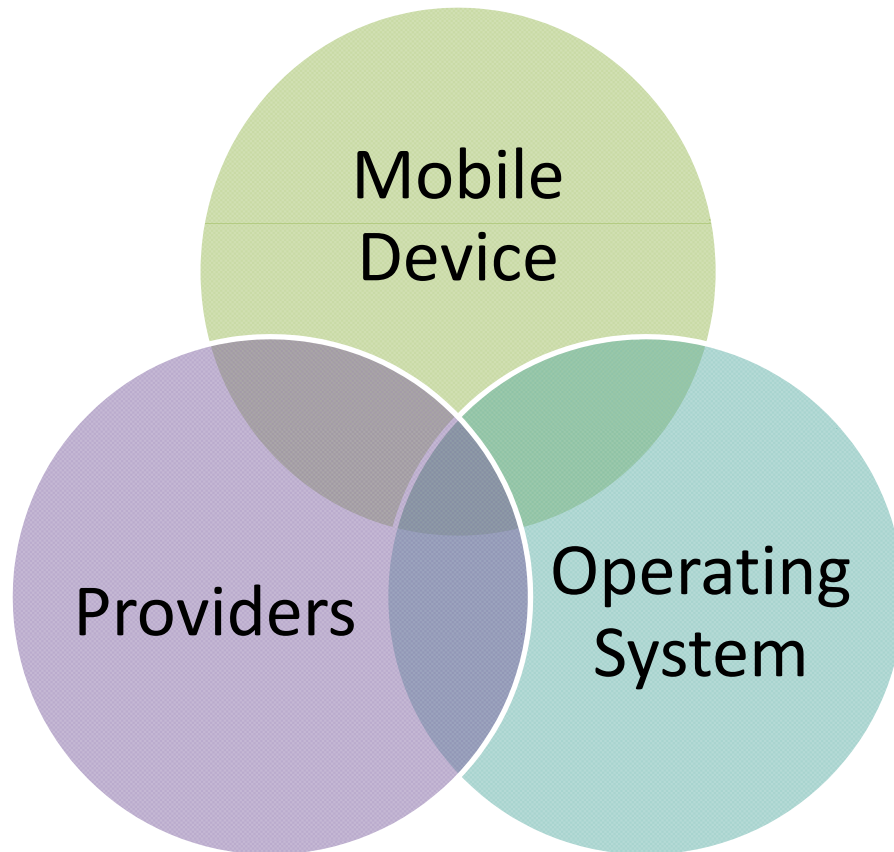
October 10, 2013

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**BUTZEL LONG**  
ATTORNEYS AND COUNSELORS



# *The Many Ways to Get “In”*



- Device Theft/Loss
- Misuse of Camera/Mic/GPS
- Device Configuration
- Poor Passwords
- Preboot Malware Alters OS
- Faulty OS (Zero-Day vulnerability)
- Malware Injection
- ID Theft (esp. w/same Password across apps)
- Policy Failure (Company; ISP, etc.)

# *App Vulnerabilities*

## *Buy at the Company Store!*

- iTunes
- Android Market
- Microsoft
  
- Strict controls are in place for Apps sold in these venues

## *Be Wary in the Android World*

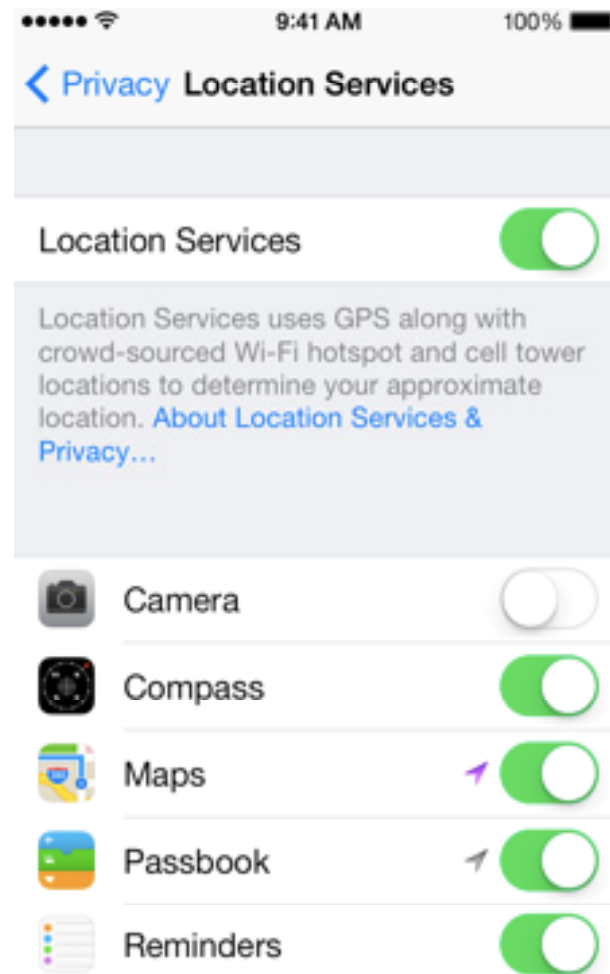
- PC Mag Report 10/6/13: Trend Micro Labs reveal Android Malware reaches One Million



# Smartphone Configuration Tips

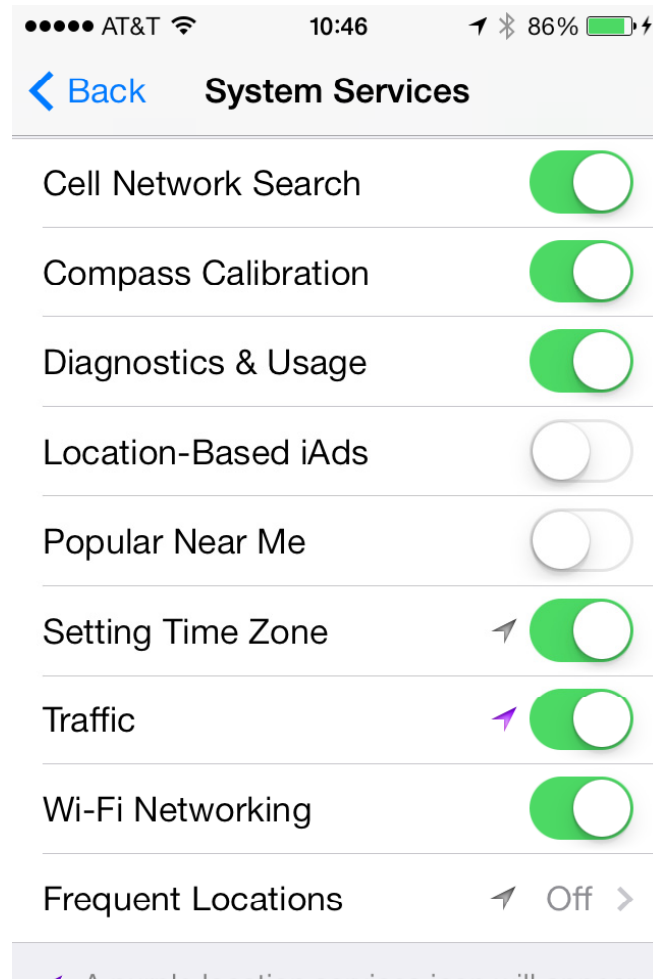
## Ask about the Default Configuration Settings...

- Does your Flashlight App need your geo location?
- iPhone Location Services
  - Popular Near Me
  - Location-Based iAds

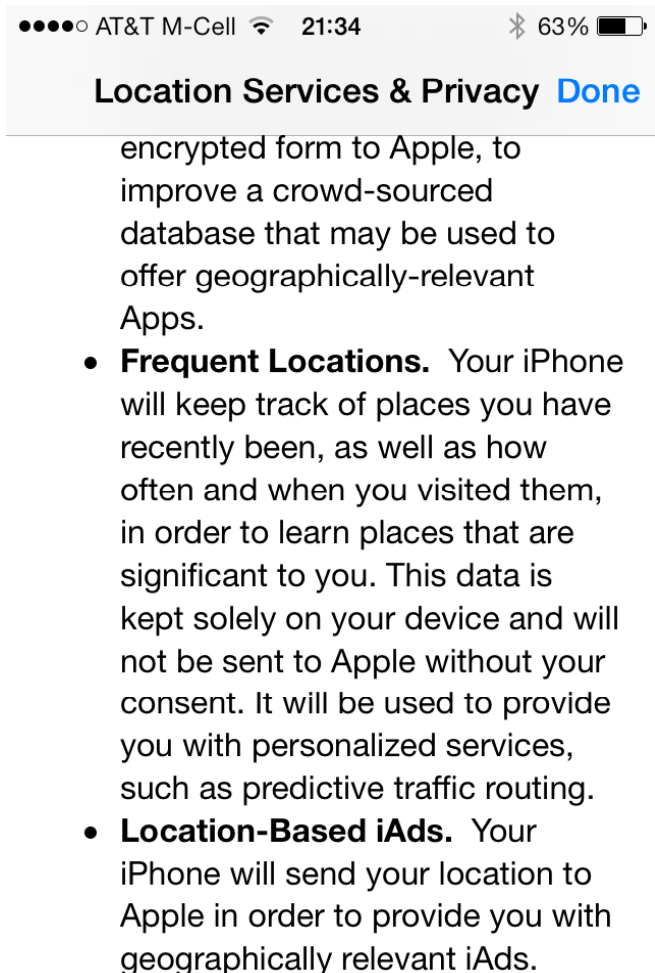


# Select “System Services”

- The default setting for
  - Location-based iAds
  - Popular Near Me
- Is “On”
- Because Mobile Apps can’t set “Cookies” like PCs and Laptops, these selections are vital for Advertisers



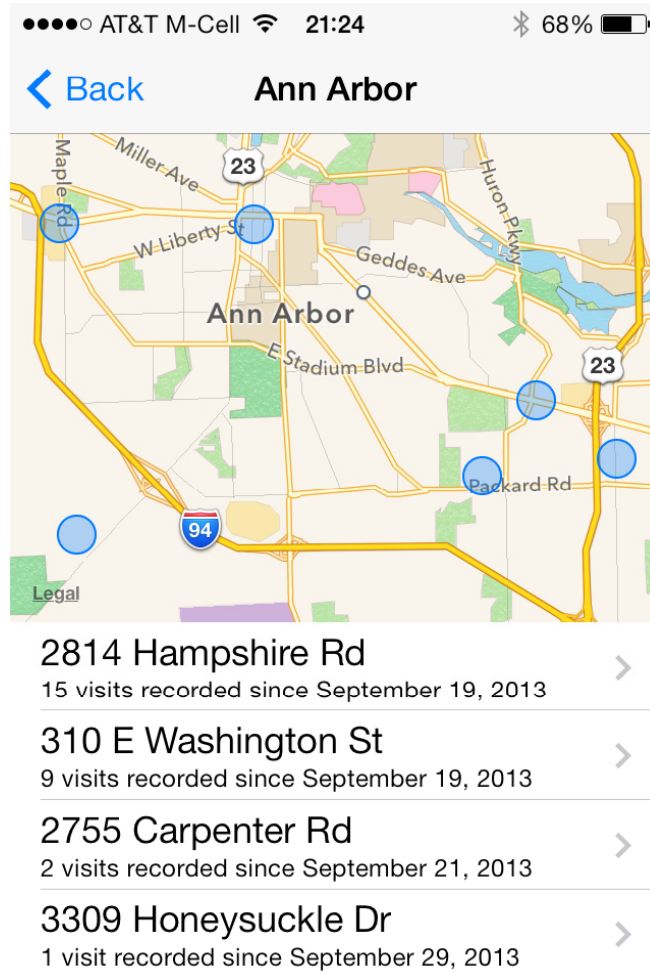
# *Settings-Privacy-Location Services-System Services-Frequent Locations*



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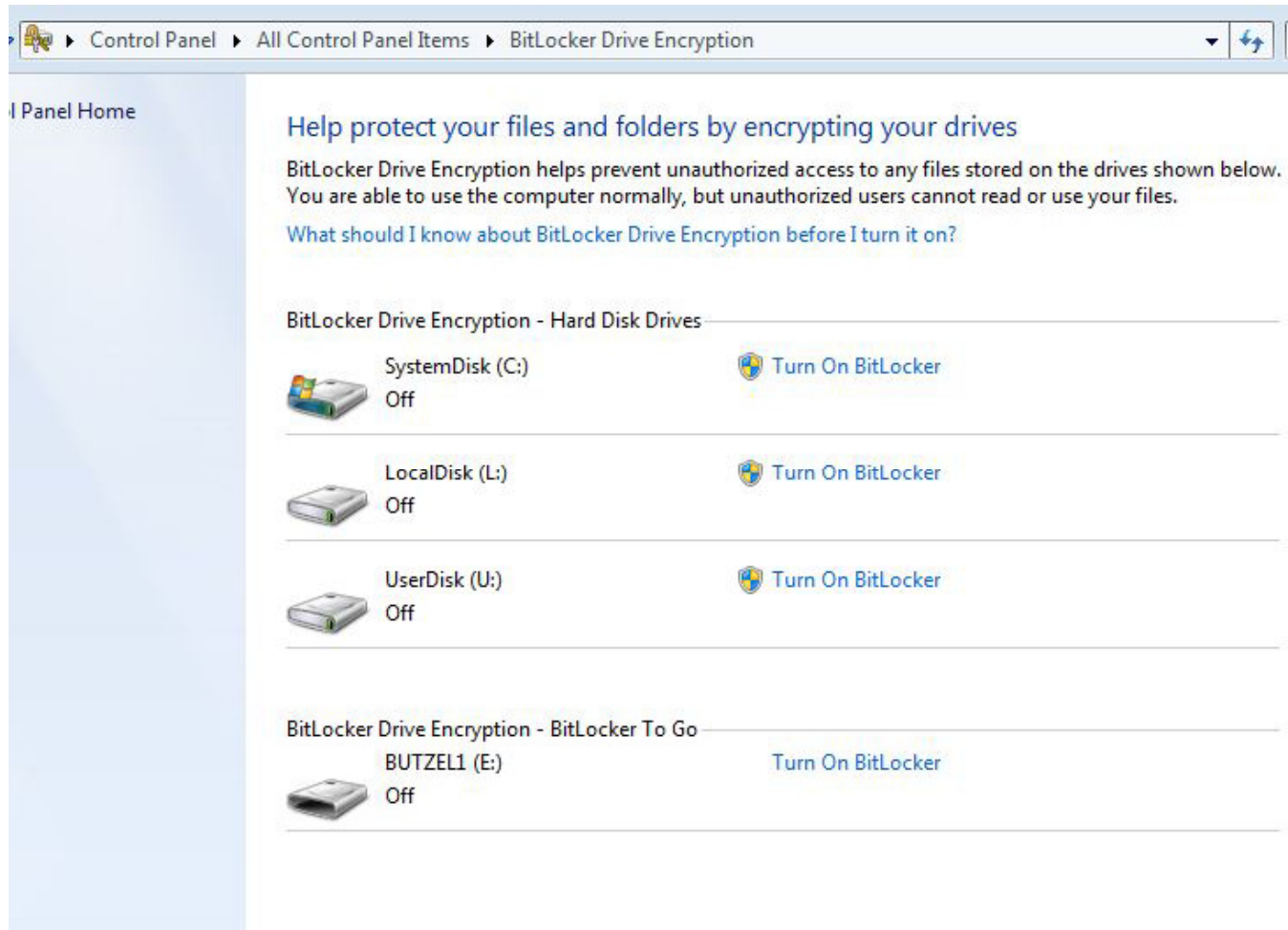


# *Settings-Privacy-Location Services- System Services-Frequent Locations*

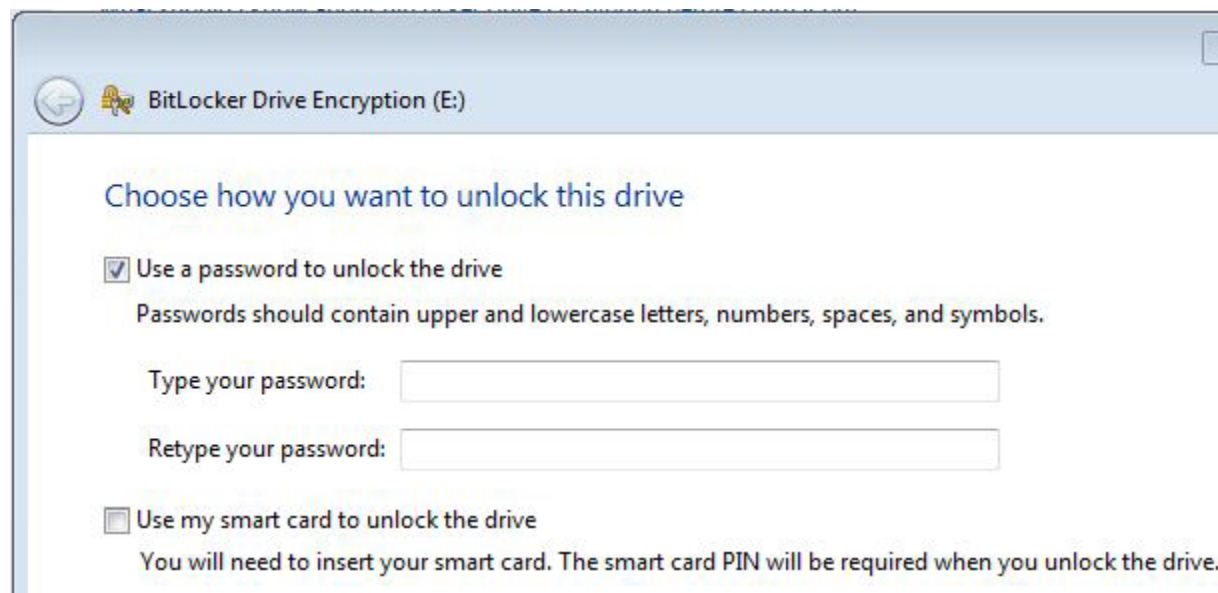




# Security for your USB Drive



# *Security for your USB Drive*



BitLocker Drive Encryption (E:)

Choose how you want to unlock this drive

Use a password to unlock the drive  
Passwords should contain upper and lowercase letters, numbers, spaces, and symbols.

Type your password:

Retype your password:

Use my smart card to unlock the drive  
You will need to insert your smart card. The smart card PIN will be required when you unlock the drive.

# ***FBI Recommendations for Mobile Devices Generally***

- Password Protect your Phone
- If you trade-in or sell → reset to factory default
- Update OS when prompted
- Do not jail break or root your phone
- Vet Apps before downloading (e.g., CNET)
- Be wary of Apps requesting Geo location
- Do NOT click on links without being sure of sender (and sender's known email address)

# ***FBI Recommendations for Business Travelers Abroad***

- Beware that your conversations may not be private or secure.
- Do not leave electronic devices unattended.
- Avoid public WiFi (in many countries they are controlled by security agencies); in all cases they are insecure.
- Remember: WiFi in Flight is Public, too.
- Clear your browser after each use (history, cache, cookies, temp files).
- Do not allow foreign electronic storage devices (e.g., USB drive) to be connected to your computer or phone.
- Do not use non-company devices to connect to company network.