

Mobile Security

Protecting Yourself
(And Your Money)
On Your Mobile Device

Why Should You Care?

- But really, what is there on my phone that I need to worry about?
 - E-mail accounts (both personal and Duke)
 - Downloaded attachments
 - Synchronized Duke data (Box, copied to storage)
 - Access to other services with sensitive data
 - Access to other sensitive data with *that* sensitive data.

Passcodes / Passphrases

- Secure your device with a passcode or passphrase on the boot/lock screen
- Prevent a thief from getting your sensitive information in addition to your device
- Some enterprise systems at Duke (Exchange, Box) require your device to have a passcode
- Longer is better

Encryption

- All recent devices allow for the encryption of device storage
- Prevents access to your data even if the storage is removed from the device
- Some enterprise systems at Duke (Box) require your device to be encrypted

Remote Wipe

- iOS: iCloud
- Android: Mobile Provider or third party app
- Many enterprise systems also provide this capability (Office 365)

Device Location / Recovery

- iOS: Find My iPhone (part of iCloud)
Also includes Activation Lock
- Android: Some Mobile Providers have apps
Many third party apps:
 - Prey (Free and Open Source)
 - Lookout (Free, Premium Versions)
 - Cerberus (Free Trial, Inexpensive)Many apps have issues on newer devices

Keep It With You!

- Make it a habit to keep your mobile device with you at all times.
- If you can't do this, manually lock your device when putting it down to charge, etc.
- Passcodes and Encryption are useless on an unattended, unlocked device

Applications

- Only install apps from the device store
- Only install what you need
- Turn on available Auto-Update functionality
- Only install what you need
- Look for high-rated, well-established apps with many ratings
- Only install what you need

Cloud Services

- Understand that anything that's not stored directly on your device is available to others
- Consider using encryption where possible

NFC Payments

Apple Pay

- Card Number Not Stored
- Uses Device ID + Transaction Code
- Purchase data not tracked
- Secured by TouchID

Google Wallet

- Card Number Stored
- Uses Virtual CC Number + Real CC Number
- Purchase data tracked
- Secured by PIN

Thanks for coming!

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