

Mobile Security Application Challenges



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"What are the top mobile security challenges?"

Mobile Challenges

□ Increased Risk

- Due to the very nature of mobile apps and the fact code and data is stored on the device, code and data can be extracted, decompiled/disassembled, and investigated/attacked.
- More and more corporate and personal data/media is stored on smartphones and SD cards all of which may be targeted.
- Smartphone's are easy to lose or misplace.
 - “Apple employee misplaces prototype of Apple’s recent iPhone upgrade found in a California bar”
- Select mobile applications have been compromised.
 - Recent examples: Gawker, Trapster,

Mobile Challenges

□ Complexity



- Applications are platform specific (i.e. Android, RIM, iOS) each with differing security models and API's.
- Unlike traditional web apps, mobile apps increase the scope of security testing/risks where an app is multiplied by the number of platforms it runs on.
- Testing (QA/Security) of mobile applications is significantly different by platform, and predominately manual.

Mobile Challenges

- Malware
 - ▣ Mobile malware is on the rise (zombies, smishing Trojans (baited apps), infectious links, etc)
- Talent Acquisition
 - ▣ Difficult to find seasoned talent
- Tools/Training Limited
 - ▣ Limited tools/products to assist testers (QA/Security) of mobile apps. Process is manual.
 - ▣ Limited training offerings with *focus* on mobile security.



Questions and Discussion

Thank You

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Remember *tinkerbell* in 05?