introduction

hacking from the restroom

YOU SHOT THE SHERIFF 3.0 - São Paulo/SP

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$ whoami?

- computer engineer
- hold some certs
- security analyst / independent researcher
- pentester {comp/network/webapp}
- speaker at security cons {H2HC IV/ ToorCon X/YSTS 2.0}

Schedule

- Motivations !
- Our goal !
- Why cellphones?
- How ?
  - What do we already have ?
    - Some Demos!
- Concerns and Challenges
- Conclusions

Motivations

Goal

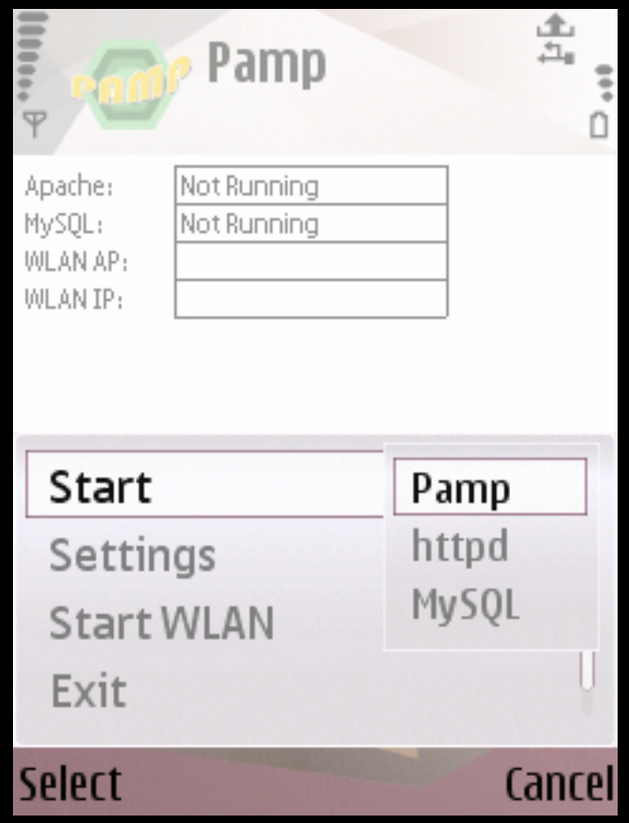
Why cellphones?

How?

How > Softwares for sharing and selling (ordinaries)

- JoikuSpot => Sharing connection through the wi-fi for Symbian
- PAMP => Portable Apache + MySQL + PHP: Need more?
- Almost ALL Clients (HTTP, FTP, VNC, RDP, SSH, SOCKET) to Almost ALL mobile OSs

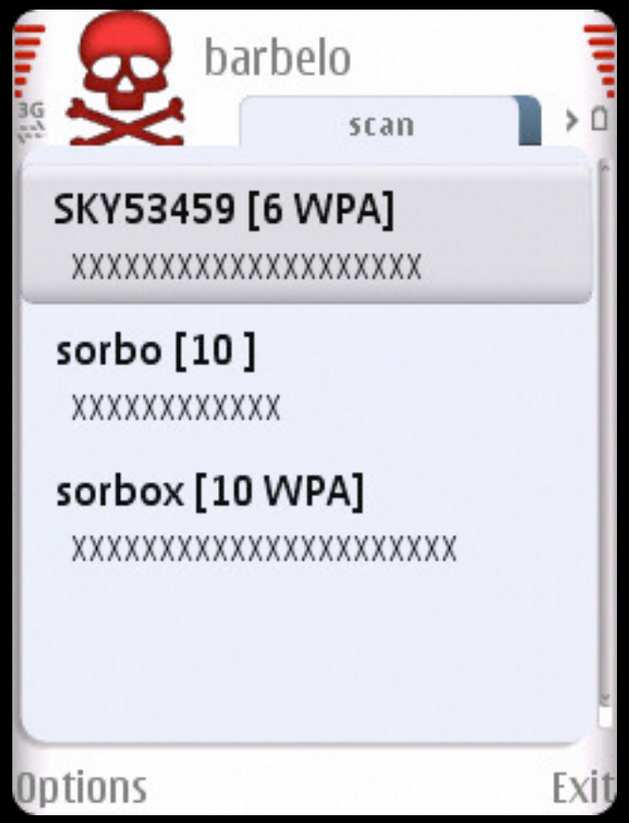
Screenshots

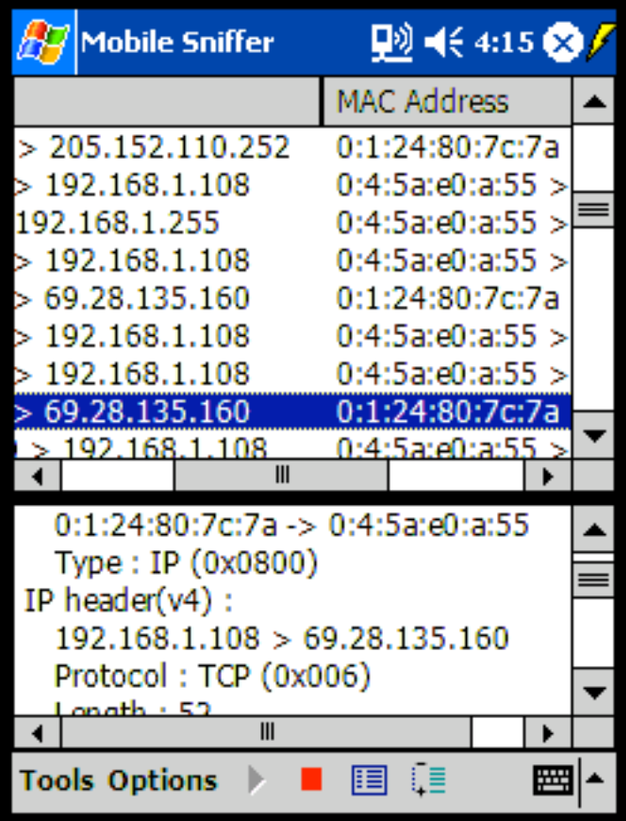


How > Softwares for sharing and selling (h4ck1n)

- Metasploit Framework
- Pirni Arp Spoofer & Packet Sniffer
- Nmap
- NeoPWN (have you ever seen this? => www.neopwn.com)
- Silica & SilicaQ => www.immunitysec.com/products-silica.shtml
- Barbelo Wi-Fi Scanner for Symbian

Screenshots





How > Develop

- SDKs for ALL!
  - Windows Mobile => http://msdn.microsoft.com/en-us/windowsmobile/default.aspx
  - Symbian => http://forum.nokia.com/
  - **Android => http://developer.android.com/**
  - iPhone OS => http://developer.apple.com/iPhone/program/
  - BlackBerry => http://na.blackberry.com/eng/developers/
  - **OpenMoko => http://wiki.openmoko.org/wiki/Openmoko_developer_guide**
- Python for ALL as well!

My Little Toys

Nokia E65
Symbian S60 9.1

iPod Touch 2G
Mac OS X

Demo(1)

- What: Client-Side Attack
- Tools: PAMP + Telnet Client
- Vuln: IE7 Uninitialized Memory Corruption
- Payload: Bind Port
- Toy: Nokia E65

Demo(2)

- What: MITM
- Tools: Pirni
- Toy: iPod Touch

Demo(3)

- What: Reverse Shell
- Tools: SSH Client and Daemon
- Toy: iPod Touch

Concerns and Challenges

- Attacks just (somewhere) inside the target perimeter, really?
- Faster and better;
- QWERTY always welcome, virtual kbd of iPod Touch rox;
- Even with *jailbroken* phones, we can't play in kernel land; Android and OpenMoko may rule!

Conclusions

- Ah! Do your best!

$ locate me

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Thank you ALL! ;)