



Secure Your Mobile Devices!



Emmitt Wells - Practice Director

Secure Your Mobile Devices!

H1, 4/28/2008



Agenda

- In the News
- What is Endpoint Security?
- Data Protection
- Policy
- Technology Available
- Summary and Conclusion



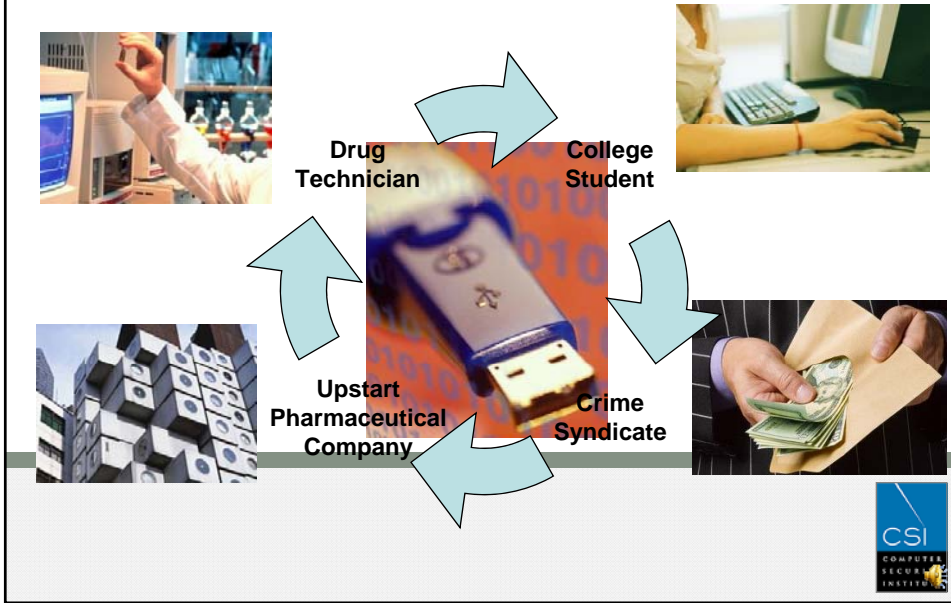
- McDonalds at center of malware scandal
 - “It seems Burger chain McDonalds got more than it bargain for following a recent promotion in Japan to give away 10,000 MP3 players pre-loaded with 10 songs each. Apparently, the songs weren't the only files resident on the little devices -also pre-loaded was the QQPass malware, which steals passwords, usernames and other information from any computer the host device is connected to.”



- Endpoint Security Alert! USB Hacksaw: Steals data and emails it to remote location
 - “The USB Hacksaw uses a modified version of USB Dumper that once installed on a system will run a process in the background whenever that computer starts, waiting for a USB thumb drive to be installed. Once a USB thumb drive is inserted into a system its contents is automatically sent via an encrypted SMTP connection to a remote email account configured by the author.”

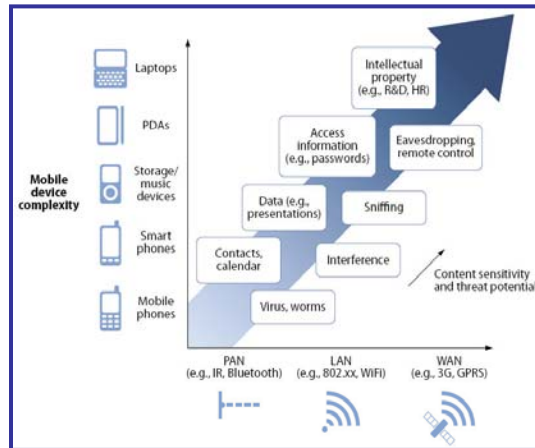


It Could Happen to You!



Hitting Close to Home

- *If you think mobile security isn't a real subject, just consider the possibility that there is someone out there right now with your name, email, phone number, and birth date and more stored on a digital device that was just left in a taxi cab – not a comforting thought.*



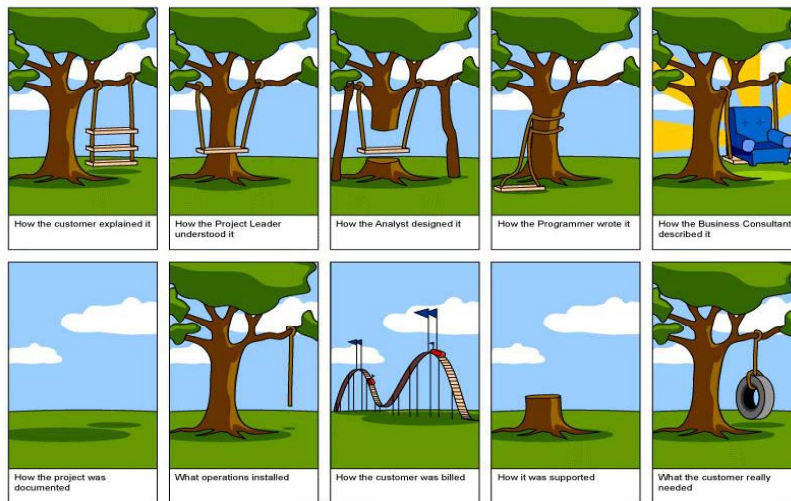


Compliance Demands are Mounting

- All Sectors
 - SOX, Combined Code, Companies Bill, IAS
 - Privacy, Data Protection, Human Rights
- Finance Sector
 - Basel II, FSA, SEC Act 17a-3/4, NASD Rules 3010/3110
- Retail Sector
 - Payment Card Industry (PCI) Security Standard
- Health Sector
 - HIPAA
- Interception legislation
 - RIPA, European Data Retention Directive
- Local legislation with Global consequences
 - Californian Law SB 1386



View of Endpoint Security



<http://www.jacobsen.no/unders/blog/archives/images/project.jpg>



What is Endpoint Security?

- Means many things to many people
 - Anti-virus
 - Anti-Spyware
 - Authentication
 - Quarantine Methodologies
 - Secure Backup and Retrieval
 - Encryption
 - Data Theft Prevention
- My definition
 - Endpoint security is a strategy for securing end-user devices. End-user devices can include PCs, laptops, handhelds, and specialized equipment such as inventory scanners and point-of-sale terminals.



Securing Data in Motion



Ensuring Data Integrity



Data Theft

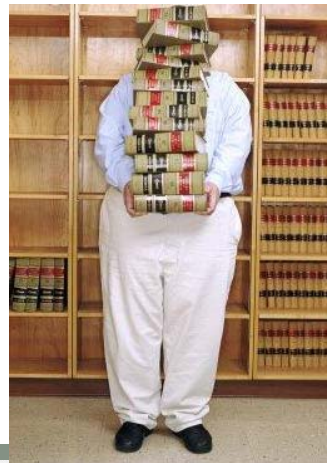


Mobile Device Policy



Technology Available

- Endpoint Products
 - Anti-virus, anti-spam, Message Cleaning, HIDS for the desktop
- Controlling Access
 - Identity Management and Authentication
- External Protection
 - Firewalls and NIDS
- Data Protection
 - Policy Enforcement Tools and Encryption
- Backup and Retrieval
 - Secure Archival
- Stolen Equipment
 - Data low-jack



What if I do nothing?

- “Gartner estimates cleanup costs for any data loss to be \$90 per customer record when you calculate notification, legal expenses, and the damage done to a corporate brand.”



How do I convince my executives of the need?



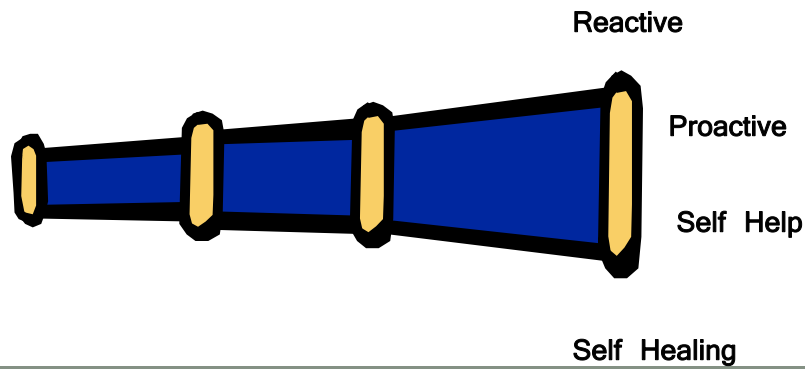
Discuss
Business
Impact

Discuss
Technology

erw2



Look to the Future – Migration of Mobile Security



Take a Balanced Approach

Mobile Security Balance

The right blend of proactive and reactive elements in your security system depends on a number of factors. Here are some of the techniques and tools you will need to consider.

Proactive Security	Reactive Security
Written security policies	Intrusion Response
Antivirus programs	Computer Forensics
Firewalls	Password Recovery
Intrusion Detection Systems	Data Recovery
Digital Certificates	Remote Data Recovery
Biometrics	Electronic Discovery
Antitheft devices	Post-theft equipment tracking



Slide 17

erw2 Need to beef up this slide with futures...
Emmitt Reid Wells, 02/29/2008

Keep it Simple

"Aye sir, the more they over-tech the plumbing, the easier it is to stop up the drain." - Mr. Scot, Star Trek III: The Search For Spock



Thank you