



Mobility Security

Threats and Prevention

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Agenda

- Objectives
 - Company Overview
 - Old School
 - Mobile Threats
 - New School
 - Bad School
 - Device Security
 - Recommendations
 - Show me the money!
 - A Little Fun
 - Free Goodies
- Risk awareness
 - Lateral Security
 - Tools - the humble padlock
 - Connectivity, physical, Internet
 - Tools - encryption and passwords
 - Fake tools and scams
 - Which devices are better?
 - What can you do?
 - How to install and test a firewall, antivirus and backup a Blackberry
 - Locks, passwords and prizes
 - Security Software, SIM cards

Objectives

- To Understand
 - Risks and threats associated with mobility
- Prevention
 - How can I reduce my risk?
- Demos
 - How to better configure your Laptops and mobile devices
- Mobility Security
 - Is huge, so we won't cover everything today

Company Overview

- Lateral Security (IT) Services Limited
 - Founded in April 2008
 - Head Office - 2 Woodward Street, Wellington
- Company Directors
 - Nick von Dadelszen and Ratu Mason
- Specialist Information Security Services
- “Truly” Independent
 - No vendor alignment
- 7 Security Consultants
 - Management, Technical and Account Management

Company cont

- What services do we provide?
 - Security Risk Assessment
 - Design and Architecture Review
 - Configuration Review
 - Penetration Testing (Network and Application)
 - Source Code Reviews
 - Governance And Compliance

Summary

- *“We provide independent assurance that information systems are configured correctly and are as secure as possible”*

Old School

- Padlocks and keys
- What makes good security
 - The key or the padlock?
- What makes a good key
 - High number of cylinders and hard to copy keys
- Threats
 - Physical attacks, poor lock design, copied keys



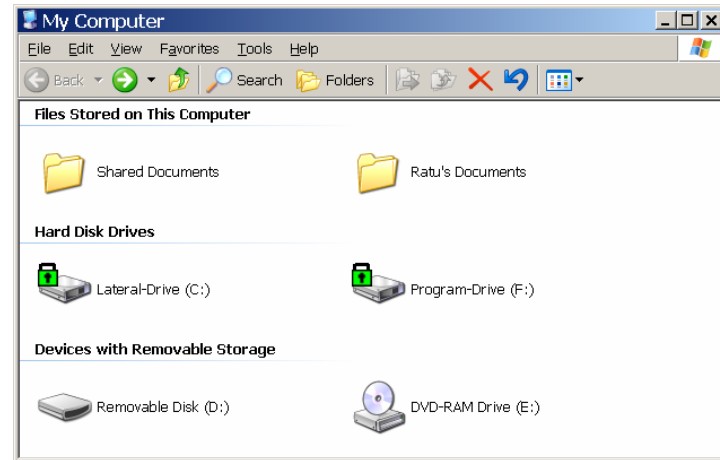
Mobile Threats

- Connectivity
 - WiFi risks
 - Environmental - who's watching you
 - Locations – Internet cafés, airports
- Physical
 - Lost, stolen device
 - Device failure
- Internet
 - Malware
 - Fake tools (beware)
 - Scams - Phishing, Drive By, Browser



New School

- Padlocks
 - Hard drive encryption and passwords
- Good security
 - Security tools from known vendors, regular updates and regular scans
- Good keys
 - Long passwords changed regularly try a phrase like “A5taLaVista8Aby” (use 5 for s and 8 for B)



Bad School

- Fake Padlocks
 - Software that doesn't work
 - Software that copies your private information for harvesting
 - 72 fake security tools vs. 8 real tools
 - False online reviews - leads to more fake tools
- Scams and attacks – “Can I have?, or get your key?”
 - Phishing - typically via email
 - Drive By - compromised website download
 - Password attacks - Dictionary and Christmas Tree
- What makes a good key
 - Trusted vendors, trusted websites, long passwords.....

Bad School - Fake Tools - Antimalware Software

AntiSpyCheck :: Home - Microsoft Internet Explorer

Address: <http://antispyscheck.com/>

antispyscheck
Anti-Spyware Protection

Buy Now Features Support Testimonials Company

Protect Yourself

Stop Spyware and Spam from infecting your PC

Spyware and Spam are the world's leading threats to your computer's security today. After just five minutes surfing only a few pages on the internet, you may have unknowingly downloaded more than 10 spyware applications that run and exploit your computer. Sending and receiving email makes your computer just as vulnerable to annoying and malicious spam.

[DOWNLOAD](#)

[FREE Scan!](#)

Spyware Scan
Scans your entire system for infections using our exclusive threat database that gets updated every single hour. Scanning is an easy 3-step process by the end of which your system will be clean of all Spyware dangers.

Spywall: Live Monitoring
Brand-new real-time monitor for any kind of spyware or adware attacks attempted on your machine. After you clean your system, Spywall® will keep on watching your back. You'll never have to worry about spyware again.

Spam Filter
This real-time filtering program monitors and blocks all incoming spam, keeping your inbox clean of annoying (and sometimes dangerous) messages.

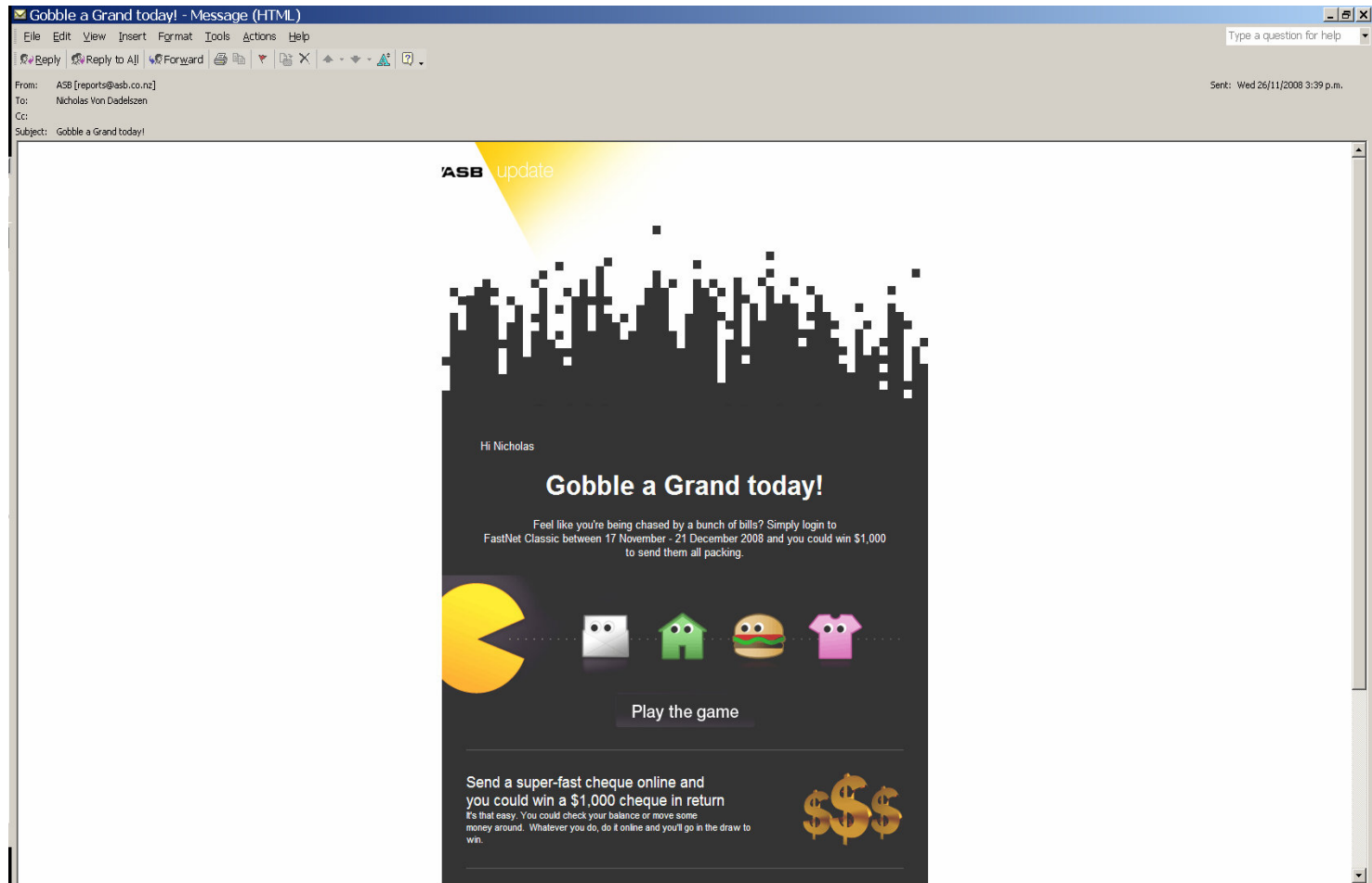
Pop-up Blocker
Being automatically integrated into your browser, it will make you forget about commercial pop-ups sooner than you can imagine!

Live Update!
The Live Update feature allows you to keep AntiSpyCheck up-to-date to the latest known Spyware threats.
[Download AntiSpyCheck now!](#)

No one is safe! According to the National Cyber Security Alliance, 9 out of 10 computers with an Internet connection are infected with spyware, without knowledge or approval. Commercial websites, "free" software and marketing companies are massively distributing dangerous Spyware that put you at risk. Find out right now with our [FREE Spyware Scan](#).

Done Internet

Bad School - Phishing - ASB this time



Device Security

- Which devices are better?

Device	Word/Excel/ PP	Contacts/Cale ndar/Email	Local Backup	Remote Backup	Remote Wipe	Remote Updates
Nokia	No	Yes	Yes/desktop	No	No	No
Sony/Ericsson	No	Yes	Yes/desktop	EMO*	EMO*	No
Windows Mobile	Yes	Yes	Yes/desktop	No	No**	Yes
Blackberry ☺	No	Yes	Yes/desktop	Yes*	Yes*	Yes*
Laptop ☺	Yes	Yes	Yes/Network and CD-ROM	No	No	Yes

EMO* = Ericsson MX-ONE Enterprise

Yes* = Blackberry Enterprise Server Feature

No** = SIM Swap could disable this feature

Recommendations i

- “Social Side” - Be aware of your surroundings
 - WiFi hotspots, shoulder surfing
 - Watch for “phishing” emails
- “Padlock Side” - Laptops
 - Good passwords - try a phrase
 - Hard drive encryption
 - Firewalls, Antivirus, Antimalware
 - Browser - Firefox with “No Script”
 - Software - patches/updates “Microsoft patch Tuesday”
- “Keys” - Blackberry, Windows, Nokia, Sony/Ericsson
 - Lock your device and use a password (*SIM at a minimum*)
 - IT Staff - Know who to contact if you lose your device
 - Take a spare SIM card for overseas travel (as a backup)

Recommendations ii

- Backups, Backups, Backups
 - Assume that at some stage you will get compromised by a hardware/software failure or Malware infection
 - Security products aren't perfect
- Test your backups!!

Show Me The Money!

Installing and testing your security suite

- Firefox browser with “No Script” installation
- Firewall installation
- Antivirus installation
- Backup your Blackberry

- *Prizes and Fun Next!!*

Prizes – It's Your Turn

- Padlocks – pick a lock!
 - Red (The Girl's), Combination lock
 - Blue (The Boy's), Combination lock
 - Fastest wins a prize
- Blackberry
 - Set a password (settings, security)
 - Set screen timeout to 2 mins and lock handheld on holstering
 - Fastest wins a prize
- **XXX Bank**
 - Who should you call if you loose your....and why?
 - Your company laptop or mobile
 - Vodafone 0800 800 021 (+64 9 355 2007 from overseas)
 - XXX Security xxx@xxx.com or 09 xxx xxx or 0800 xxx xxx for emergencies

Free Goodies

- Laptop Tools
 - Full hard drive encryption
 - Anti-Malware
 - Anti-Virus
 - Firewalls
 - Browser and No Script tool
 - Malware scanners
- Handheld Tools
 - Blackberry desktop software version 4.7.0.32
- Optimisation Tools
 - CCleaner - temp file remover
 - Registry defragger
 - Hard-drive defragger
 - Program uninstaller
- ratu@lateralsecurity.com



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