

# Security and Small Business

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# Überhacker 2010?



Doug White, 2005

# Five Key Areas Where Security and Small Business Fail

- Vulnerabilities in Commercial Software
  - Patches
  - Easter Eggs
- Physical Security Controls
  - Viruses, worms and other hacks
- Vulnerabilities in Networks and Connectivity, particularly WIRELESS!
- Vulnerabilities due to Legislation (e.g. HIPAA or even SOX!)
- Vulnerabilities to Lack of Training
  - Social Engineering

# Who is the Hacker?

- Could be anyone!
- You get what you deserve
- If you were as smart as me, this wouldn't have caused you any problems
- Ethics and Kohlbergian Preconventionalists
- How do you punish someone who is 13 years old and just broke into IBM using a self-designed computer program that uses multiple attacks to distract the IT staff, then compromises the firewalls and routers, to implement a root kit on a Solaris server which will be used to deface a Chinese website? Oh, and he is a 4.0 student who is about to receive a scholarship to MIT!

# So, what should you do?

- Patches
  - Script Kiddies
- Update anti-virus and anti-spyware software vigorously
- What are you firewalling?
  - Ports
  - Trojans
  - Open Services

# More things you need to consider

## ➤ Reusable Objects!

- DOD Wipes
- Degaussing

## ➤ War Driving and War Dialing

- Secure or disable

## ➤ Training

- Social Engineering
- Physical Security
- Sound Practice with Media and Equipment

# Some Ideas

- Shared Consultants or Employees
- Universities
- Consulting for Small Business
- Students
- Certifications
  - CISSP, CCE, CCNA, MCSE, A+, N+

# Thanks

## ➤ Doug White

- [Cisweb.rwu.edu/dwhite](http://Cisweb.rwu.edu/dwhite)
- [www.whitehatresearch.com](http://www.whitehatresearch.com) -- slides
- [Doug.white@whitehatresearch.com](mailto:Doug.white@whitehatresearch.com)

# Easter Egg Example

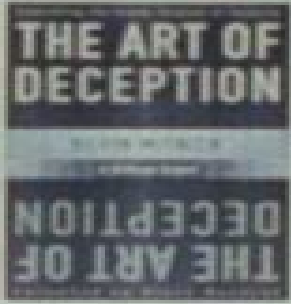

- Excel at Flight  
Microsoft Excel 97
- Start Microsoft Excel as you normally would, then follow the instruction below:
- 1. Press either F5, or select the Go To command from the menu bar.
  2. In the Dialog Box that appears, type X97:L97, and click on OK (or press enter). This will select the appropriate cells in the spreadsheet.
  3. Push the Tab button on your keyboard once.
  4. While holding down the Ctrl and Shift keys at the same time, click on the Chart Wizard button (on your toolbar).
- If all goes as planned, a flight simulator will appear. You can control your vehicle using your mouse. If you click on the left mouse button, your vehicle will speed up, while if you click on the right mouse button, your vehicle will slow down and eventually go into reverse.
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# Kevin Mitnick

Author Appearance  
**Nov. 16 at Noon**

**KEVIN MITNICK**

**"The World's Most Famous Hacker"**



He'll talk about security  
and answer your questions

# Dangerous!?



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