



Protecting Our Personal Space

Security in a Virtual World


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Protecting Our Personal Space

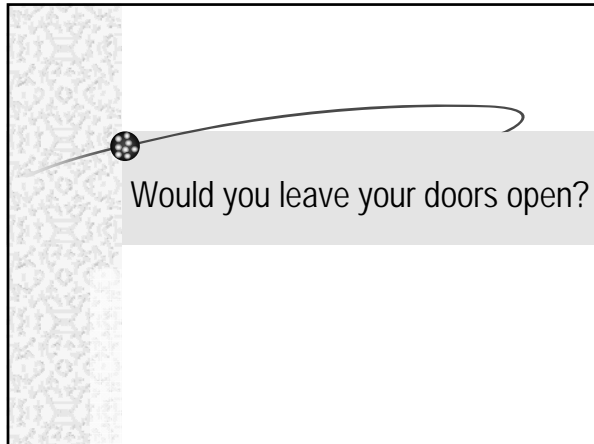
- ✧ Computer Security at home
- ✧ Phishing
- ✧ Keeping your children safe
- ✧ Resources for more information

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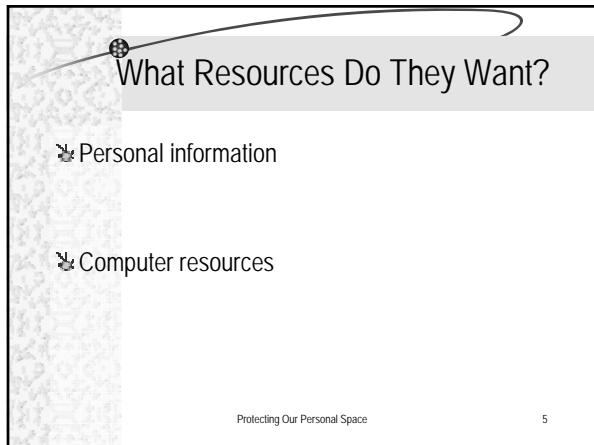


Computer Security at Home

Why secure your home computer?



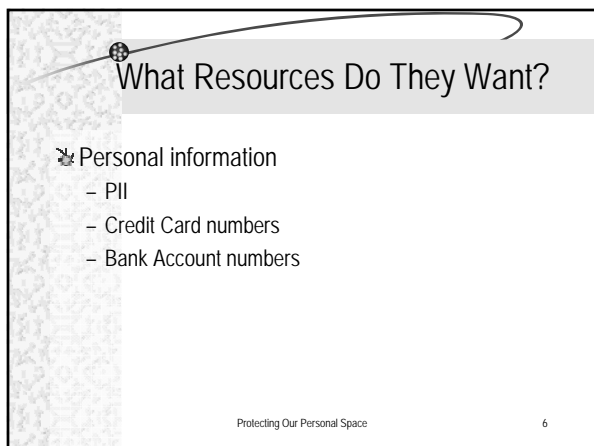
Would you leave your doors open?



What Resources Do They Want?

- ✦ Personal information
- ✦ Computer resources

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What Resources Do They Want?

- ✦ Personal information
 - PII
 - Credit Card numbers
 - Bank Account numbers

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What Resources Do They Want?

- ✦ Computer resources
 - Internet connection – bandwidth
 - PC

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How Do They Get to Your PC?

- ✦ They Install "Malware" on your PC
 - Worms
 - Viruses
 - Trojan
 - Keyloggers
 - Backdoors

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How to keep your home computer secure

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The Basics of Cyber Safety

1. Keep your operating system updated
2. Install a software firewall – and keep it updated
3. Install an anti-virus and anti-spyware package – and keep it updated
4. Install a hardware firewall
5. Install and use a file deletion program

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What else?


1. E-mail practices
 - a. Outgoing e-mail
be careful with personal information
 - b. Incoming e-mail
be careful with attachments

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What else?

2. Be careful when downloading
3. If it is important – back it up!
4. Use strong passwords

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Is it big business?



Headlines – One week in October

- ✎ **World Bank Hacked, Sensitive Data Exposed** OCTOBER 10, 2008 - Hacked Web servers, a stolen administrative account, and lot of unanswered questions
- ✎ **Stolen E-Bay Accounts Found** OCTOBER 13, 2008 - A cache of 5,534 stolen eBay log-ins was discovered yesterday -- likely the result of successful phishing scams, researchers say.
- ✎ **Feds Shut Down Major Spam Operation** OCTOBER 14, 2008 - Herbal King gang sent billions of spam messages pushing prescription drugs and phony male-enhancement products

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Phishing – It Is Big Business

A scam directing the recipient to click on a link that takes them to a website where they are prompted for personal information. The link and the website look authentic.

Defend Yourself from Phishing Expeditions

- ⚡ Be cautious about all incoming e-mail
- ⚡ If it appears too good to be true ...
- ⚡ If it is suspicious, don't click on any links, don't open any attachments

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Defend Yourself from Phishing Expeditions - 2

- ⚡ DO NOT enter personal information in any pop-up screen
- ⚡ If you must access the business, use your own bookmark

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Children present unique security risks

Keeping your children safe

- ✎ Keep your computer in a central and open location in your home and be aware of other computers your child may be using.
- ✎ Discuss and set guidelines and rules for computer use with your child. Post these rules by the computer as a reminder.
- ✎ Use the Internet with your child. Familiarize yourself with your child's online activities and maintain a dialogue with your child about what applications they are using.
- ✎ Implement parental control tools that are provided by some Internet Service Providers and available for purchase as separate software packages.
- ✎ Consider using software that allows you to monitor your child's e-mail and Web traffic.

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Keeping your children safe - 2

- ✎ Know who your child's online friends are and supervise their chat areas.
- ✎ Teach your child never to give out personal information to people he or she meets online, such as in chat rooms or bulletin boards.
- ✎ Visit www.getnetwise.org for detailed information.

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Resources

- ✎ Multi-State Information Sharing and Analysis Center
<http://www.msisac.org>
- ✎ Home Security:
http://www.cert.org/tech_tips/home_networks.html
- ✎ US-CERT Cyber Security Tips:
<http://www.us-cert.gov/cas/tips>
- ✎ Stay Safe Online: <http://www.staysafeonline.info>
- ✎ State Attorney General
- ✎ FBI
- ✎ FTC

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Resources – Is is a hoax?

If you want to check the validity of an email, there are Web sites that provide information about hoaxes and urban legends:

- Urban Legends and Folklore - <http://urbanlegends.about.com/>
- Urban Legends Reference Pages - <http://www.snopes.com/>
- Hoaxbusters - <http://hoaxbusters.ciac.org>
- TruthOrFiction.com - <http://www.truthorfiction.com/>
- Symantec Security Response Hoaxes - <http://www.symantec.com/avcenter/hoax.html>
- McAfee Security Virus Hoaxes - <http://vil.mcafee.com/hoax.asp>

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Resources – Anti-Phishing


- AntiPhishing Work Group: www.antiphishing.org/
- OnGuard Online: www.onguardonline.gov/phishing.html
- Federal Trade Commission: <http://ftc.gov/bcp/menus/consumer/tech/privacy.shtml>
- National Consumer League's Internet Fraud Watch: www.fraud.org/tips/internet/phishing.htm
- US CERT: www.us-cert.gov/cas/tips/ST04-014.html
- WatchGuard Video: www.watchguard.com/education/video/play.asp?vid=budhasmail


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Resources – Keeping Children Safe

- National Cyber Security Alliance, www.staysafeonline.org
- iKeepsafe.org, www.ikeepsafe.org
- staysafe.org, www.staysafe.org/parents/default.html
- i-Safe, www.isafe.org/
- SafeKids.com, www.safekids.com/
- Federal Bureau of Investigation, www.fbi.gov/publications/pguide/pguide.htm
- Enough is Enough, www.protectkids.com/

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