



Cyber Security Awareness

Dow Corning Retirees

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Cyber Secure Your Home

- Passwords
- Home WiFi
- Software Patching
- Anti-Virus
- Device Backups
- Child Internet Safety
- Social Engineering

Passwords

- Strong passwords are key to protecting both devices data and online accounts. Use 3 of 4. Upper lower, numeric and special.
- When setting up security questions, don't use common information that can be searched for online.
- Use 2 factor authentication whenever possible Especially with online banking. Fob, Phone App, Text Code, Phone call. Google, Facebook and most banks all use these.
- Never use the same password twice.
 - Pi55aH0t2go!E – eBay
 - Pi55aH0t2go!A – Amazon
 - Pi55aH0t2go!P – PayPal

Home WiFi

- Home WiFi
 - Secure your Home WiFi so only you know who is using it.
 - Neighbours will use your connection for free if they can and you are responsible for their activities.
 - Use an ISP supplied Router and request they change it every two years.
 - Make sure you need a password to connect to your WiFi.
 - If you Rename it don't make it obvious its yours – JohnsWiFi.
 - Don't give access to anyone you don't trust and delete devices no longer in use.
 - Turn off your Router when you go on holiday.
 - For more advanced configuration ideas see OpenDNS.org.

Patching

- The process that keeps computers fully up-to-date. Program fixes close holes and vulnerabilities in software that could be exploited by malware or hackers.
- Make sure all home devices (including mobile devices) and applications are fully patched. The simplest way to ensure this is to enable automatic updating wherever possible.
 - Run windows update regularly. Control Panel\System and Security\Windows Update.
 - For all other installed application use a program such as **Secunia PSI** to do it for you. It free!

Secunia Screen Shot

Personal Software Inspector (PSI) 2.0
Detects and installs missing security patches for your PC

70%
Secunia System Score

Scan Results

This view shows an aggregated list of programs detected on your PC with the latest Secunia PSI scan. Click any program for additional information and details.

Search for programs and paths: Search

Are you missing a program?

Program	#	Program State	Threat Rating	Detected Version	Install Solution
Adobe Flash Play...	1	Insecure	Threat Rating	10.1.82.76 (Activ...	Approve Update
Adobe Flash Play...	1	Insecure	Threat Rating	10.1.82.76 (NPAPI)	Approve Update
Microsoft .NET Fra...	1	Insecure	Threat Rating	2.0.50727.4927	Microsoft Update
Microsoft .NET Fra...	1	Insecure	Threat Rating	3.0.4506.4926	Microsoft Update
Microsoft Window...	1	Insecure	Threat Rating		Microsoft Update
Mozilla Firefox 3.6.x	1	Insecure	Threat Rating	3.6.6	Approve Update
VLC media player ...	1	Insecure	Threat Rating	1.1.0.0	Install Solution
CCleaner 2.x	1	Patched	-	2.30.0.1130	Up-to-date
Connection Manag...	1	Patched	-	7.2.7600.16385	Up-to-date
DOSBox 0.x	1	Patched	-	0.74.0.0	Up-to-date
Foxit Reader 4.x	1	Patched	-	4.3.0.1110	Up-to-date (AU)
IrfanView 4.x	1	Patched	-	4.2.7.0	Up-to-date (AU)

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Anti-Virus

- People make mistakes. We sometimes click on links or install things we probably should not have.
- Anti-Virus catches known bad software or stops misbehaving software doing bad things on your Computer, Tablet or Phone.
- While anti-virus cannot stop all Malware, it does help detect and stop the more common attacks.
- Use a reputable Anti Malware product and keep it up to date. This should be automatic but verify.
- Run a Full scan at least once a week. Set it to run overnight.
- There are some FREE ones about – [AVG](#) [AVAST](#) but remember you get what you pay for. Paid for offers more features.
- Many banks offer it for free so check before you purchase.
 - <https://barclays.co.uk/Kaspersky>
 - <http://www.hsbc.co.uk/1/2/contact-and-support/security->

Backups

- For each device you possess or use ask yourself what would you do if it was stolen, lost or damaged?
 - Contacts Names numbers and email addresses
 - Passwords
 - Banking Applications
 - Photographs
- Use the manufacturer programs to backup to a separate location.
- Use a cloud based backup
 - Carbonite
 - Amazon, Google, OneDrive

Visiting Children

- “Nan, what’s the WiFi code?”
- Children need the same rules for online protection regardless of where they are.
- Establish rules if required when looking after children:
 - How long kids can be online?
 - When they can have access to their mobile devices?
 - Don’t let them use your computers unattended and don’t let them install new software or games on your computer.
- Issues affecting Children Online to be aware of:
 - Inappropriate Content
 - Cyber Bullying
 - Sexting
 - Online Grooming

Social Engineering

- Social engineering is a psychological attack where an attacker misleads you into doing something **they** want **you** to do.
 - Examples:
 - Phishing emails – Nigerian Princes, Inheritance sharing
 - Failed Parcel Deliveries
 - Fake Microsoft tech support phone calls
- If I teach you nothing else today
 - Never give your password to anyone
 - Never allow anyone remote access to your computer
 - Never give any Bank Account or card details to anyone you didn't intend or initiate a call with including your own bank.
 - Don't click on links in emails from unknown senders.
 - If you are paying for something on a website make sure its 'https'. The 's' stands for secure.

Resources

- Social Engineering: <http://www.securingthehuman.org/ouch/2014#november2014>
- Securing Your Home Network: <http://www.securingthehuman.org/ouch/2014#january2014>
- Passphrases: <http://www.securingthehuman.org/ouch/2015#april2015>
- Anti-Virus: <http://www.securingthehuman.org/ouch/2014#december2014>
- Protecting Your Kids Online: <http://www.securingthehuman.org/ouch/2013#april2013>
- Tech Phone Support Scams: <http://www.onguardonline.gov/articles/0346-tech-support-scams>
- Creating a Cyber Secure Home Poster: <http://www.securingthehuman.org/resources/posters>
- secure form of DNS - www.opendns.org
- [Parents Guide to Technology - iPhones](#)
- Patching - <http://www.Secunia.com/PSI>
- Apple's advice about iPhone parental restrictions: <http://support.apple.com/kb/ht4213>
- Video games trade body UKIE advice about how to play games safely and sensibly www.askaboutgames.com/
- Pan European Game Information website: www.pegi.info/en/index to find out about age ratings.
- To find out more about social networking sites like Facebook,
- Childnet's hot topics section: www.childnet.com/parents-and-carers/hot-topics
- Stay safe Online - <http://www.staysafeonline.info/> <http://www.internetmatters.org/>

Many thanks for listening and I will forward the presentation as a PDF to Rob Wardle or Bobby Connell for distribution.

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