

Internet Security for the Lay Geek

- A practical Guide to staying
safe on the internet.



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Penguicon 2016

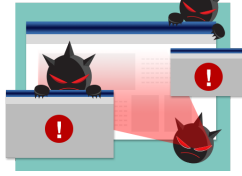
Overview

- Get an AntiVirus/AntiSpyware/Firewall
- Install updates or remove programs
- Use strong unique passwords
- Turn on Two Factor
- Watch out for scammers
- Don't use login links in emails
- Don't over share on Social Media

Antivirus / AntiSpyware / Firewall

Antivirus: Program that scans for Virus Files

- Auto Update
- Auto Scan



Antispyware/antimalware :
Program that scans for Virus Files

- Auto Update
- Auto Scan

Firewall: Program that blocks
bad guys coming or out.



Get an AntiVirus / AntiSpyway

Free:

MS Security Essentials

Avast: <https://www.avast.com/>

Malwarebytes:

<https://www.malwarebytes.org/>

Hitman Pro:

<http://www.surfright.nl/en/hitmanpro>



Paid:

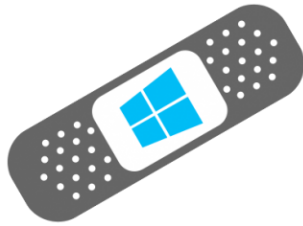
Norton Internet Security

Kasperski Internet Security

Notes:



Install Updates !!!!!



Notes:

Install Updates

Install Updates for Operating Systems:
Windows, MAC, Linux, BSD, iPhone, Android

Install Program Updates:
Flash, Acrobat, Java, Quicktime, and
Web browsers (Chrome and Firefox)

Install Definition Updates:
Antivirus, Anti-malware, and other
security software.

Remove Unnecessary programs

All programs have Flaws!

If the program isn't installed then

- It can't be attacked (Hacked).
- It doesn't have to be updated.



Use Strong Unique Passwords

HOW STRONG IS YOUR PASSWORD?



Strong Password

- Long and hard to guess: 12 or more
- Pass phrase (three unrelated words)
- NO DICTIONARY WORDS

Unique Password

- Use only in one place
- Different for every site

Test your password: Password haystacks
<https://www.grc.com/haystack.htm>

Password Manager

The hard part of a strong unique password

- It is hard to remember.

Keypass - <http://keepass.info/>

- Opensource and free



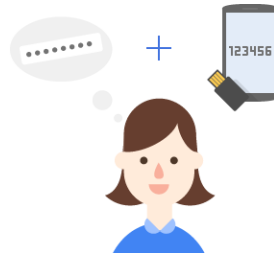
LastPass: <https://lastpass.com/>
 • Inexpensive, Sync, sharable



Two Factor Authentication

Two forms of verifying you are
who you say you are.

- Something you know
- Something you have
- Something you are

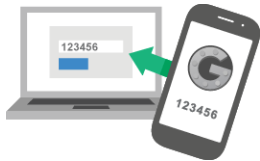


Examples:

- Password and a code
- Password and Bio (Fingerprint or Eye scan)

Google Authenticator

<https://www.google.com/landing/2step/>



Duo Security (Ann Arbor)

<https://duo.com/>

Notes:

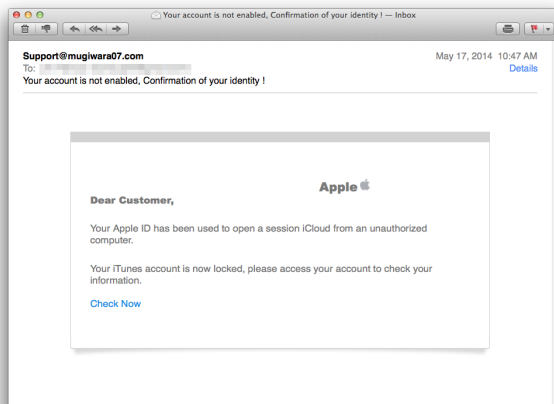


Be on the lookout for email scams



Notes:

Do Not Click on Login Links
from your email





Don't over share on social media

- Vacation pictures = not at home
- Account verification info can be found on social media

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These Slides can be found on
penguicon.org
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