Surviving the Internet

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Disclaimer

Why now?

Beyond passwords

Gmail 2-step verification

http://gmailblog.blogspot.com/2011/02/advanced-sign-in-security-for-your.html

Yahoo! second sign-in verification

http://www.ymailblog.com/blog/2011/12/yahoo-introduces-stronger-user-authentication-%E2%80%93-second-sign-in-verification/

PayPal Security Key

https://www.paypal.com/us/cgi-bin?cmd=xpt/Marketing_CommandDriven/securitycenter/PayPalSecurityKey-outside&bn_r=o

Facebook Login Approvals

https://www.facebook.com/note.php?note_id=10150172618258920

Dropbox two-step verification

https://blog.dropbox.com/index.php/another-layer-of-security-for-your-dropbox-account/

Limit

Harden

- **Install antivirus software, good free choices:**
  - http://windows.microsoft.com/en-US/windows/products/security-essentials
  - http://www.sophos.com/en-us/products/free-tools/sophos-antivirus-for-mac-home-edition.aspx

- **Patch your computer to most current level**

- **Enable Automatic Updates**
  - http://windows.microsoft.com/en-US/windows-vista/Understanding-Windows-automatic-updating
  - https://www.apple.com/softwareupdate/

- **Operating System and software patch scanner**
  - https://secunia.com/vulnerability_scanning/personal/
  - http://informer-technologies-inc.mac.informer.com/

- **Enable the firewall native to your Operating System**
  - http://windows.microsoft.com/en-US/windows-vista/Understanding-Windows-Firewall-settings
  - https://support.apple.com/kb/HT1810

- **Test your firewall**
  - https://www.grc.com/x/ne.dll?bh0bkyd2 (Windows only)

- **Wi-Fi Security**
  - **Best security practices** http://www.wi-fi.org/discover-and-learn/security, http://wirelessdefence.org/Contents/Home%20Wireless%20Security%20Tips.htm

- **Encrypt your hard disk**
  - **Windows BitLocker** http://windows.microsoft.com/en-US/windows7/products/features/bitlocker
  - **Mac OS X FileVault** https://support.apple.com/kb/PH7024 or https://support.apple.com/kb/HT4790
  - **TruCrypt** http://www.truecrypt.org/
- **Backup your hard disk**
  - Backup both locally **AND** online
    - **Windows** http://windows.microsoft.com/en-US/windows7/products/features/backup-and-restore
    - **Mac OS X** https://support.apple.com/kb/ht1553
    - **Commodo Backup** http://backup.comodo.com/ (Windows)
    - **SugarSync** https://www.sugarsync.com/
    - **MozyHome** https://mozy.com/home/free/

- **Securely erase your hard disk**
  - **UCSD Center for Recording Magnetic Research** http://cmrr.ucsd.edu/people/Hughes/SecureErase.shtml
  - **Darik's Boot And Nuke (DBAN)** http://www.dban.org/

- **Encrypt email containing your sensitive data**
  - **Hushmail** https://www.hushmail.com/

- **Mobile Device Security**
  - **Android** http://source.android.com/tech/security/
  - **iOS** https://www.apple.com/ipad/business/resources/
  - **Windows Phone** http://www.microsoft.com/security/online-privacy/mobile-phone-safety.aspx

When (not if)

it all goes horribly wrong

http://ftc.gov/idtheft

No plan survives first contact with the enemy

-Moltke the Elder

Thank you

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