**Updates & Patching**

A fix for a bug or vulnerability

**Updating software is the most important step to remaining safe online**

**The products that need updating the most**

1. **Directly interface with the internet**
   1. Browsers
   2. Email applications
2. **Applications that use, play, view any sort of download file (e.g. from any untrusted source)**
   1. Media player
   2. Adobe reader
   3. Image viewer
   4. Excel
   5. Word (macro viruses etc)
3. **Operating System**
   1. OS X
   2. Windows
   3. Android

Setting automatic updates is the easiest way to stay safe

A poor level of patching only leaves the question of WHEN you will get hacked, not IF

**Patch Tuesday**

2nd and 4th Tuesday in North America

Microsoft’s regular security patch releases

National Vulnerability Database

CVEdetails

CVE

**Automating Patches**

**Secunia personal software inspector (FLEXERA PSI)**

* Automated software inspector to auto-update
* Doesn’t cover all software
* But does cover all software that’s important for security

**Other products as such**

* Appupdater
* FileHippo App Manager
* Ninite
* Software Informer Client
* Software Update Monitor (SUMo lite)
* Heimdal Free
* DUMo (Drivers)

If you have your machine switched off or are disconnected from the internet for any length of time, then the patches and updates need to be up-to-date before using an app like a browser