

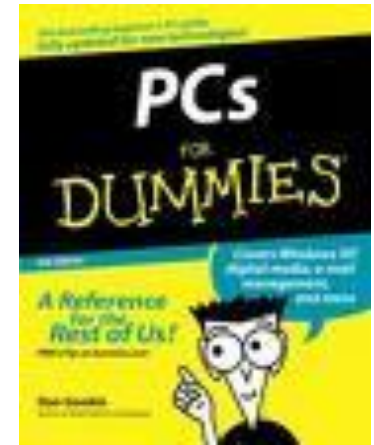


# Tech '11

Keeping your computer current and trouble free  
Aaron Robertson

# Background

- ▶ Aaron Robertson Computers
  - Consulting and Repairs
- ▶ Over 20 years experience with PCs
- ▶ Masters Software Engineering
  - UWF
- ▶ NWFSC Primetime Computer Club Advisor
- ▶ President of NWFACUG





# Antivirus 2010

Protects your computer from malware



## My Protection

Protection of your computer



## Scan my Computer

Files and computer scan



## Update Center

Updating antivirus databases



## My Settings

Protection preferences



Activate your copy of Antivirus 2010 and unlock all features

## My protection status

Antivirus program protects your computer against malicious programs and unauthorized access and provides security access to the network



### Files and private data

ENABLED

Documents, presentations, logins and passwords, any personal info, and more



### System and applications

ENABLED

Operations system files and applications installed on your PC



### Online activity

ENABLED

Browsing web sites, banking and online shopping, email and instant messaging

Quick tasks

**System Scan**

**Update Now**



**PC is threatened! [Trial Licence, Threat Detected!]** 54 threats detected and 0 bad files found

**Fix Now!**



# Antivirus 2010

Protects your computer from malware

License key: No license key



## My Protection

Protection of your computer



## Scan my Computer

Scanning system (39%)



## Update Center

Downloading updates (25%).



## My Settings

Protection preferences



Activate your copy of

Antivirus 2010

and unlock all features

## Scanning your computer (Scanned - 39%)

Started:	15.10.2010 18:50	Scanned objects:	5587
Duration:	00:01:37	Threats detected:	3
Remain:	00:01:58	Suspicious files:	0

Last scanned object:

c:\System Volume Information\\_restore{B67800AA-8B12-4BCC-BD37-6EAFE10C8519}\RP5



<input checked="" type="checkbox"/>	Path	Detected	Status
<input checked="" type="checkbox"/>	c:\Program Files\Internet Explorer\explore.exe	<b>AdWare.Redirect.xt</b>	Trojan detected
<input checked="" type="checkbox"/>	c:\Program Files\Outlook Express\msoe.dll	<b>Email.Win32.Merond</b>	Trojan detected
<input checked="" type="checkbox"/>	c:\Program Files\Windows NT\dialer.exe	<b>Backdoor.Dialer.W32</b>	Trojan detected

Remove selected

Remove all

Stop scan

**PC is threatened! [Trial Licence, Threat Detected!]** 3 threats detected and 0 bad files found

**Fix Now!**

# Antivirus 2010

- ▶ Removes Spyware and Viruses
- ▶ Need to Purchase with Credit Card
- ▶ After entering Credit Card
  - Blue screen of death (BSOD)
  - Identity may have Been Stolen
- ▶ Computer Repairs
  - GEEK SQUAD – \$120 – \$300
  - Local repair shop – around \$85 hour



# Rogue Software

- ▶ <http://www.bleepingcomputer.com/virus-removal>



# Malware Prevention

- ▶ Windows XP
  - Vulnerable to an assortment of Malicious Software
  - Run Malware Scans Regularly
    - Malwarebytes Antimalware \*\*\*\*\* [Download.com](http://Download.com)
- ▶ Windows Vista / Windows 7
  - Built in protection
  - User Access Control
    - Do not disable this feature !!!!



# Updates



## ▶ Software

- Windows
- Office
- Applications



## ▶ Hardware

- Motherboard
- Video Card
- Drivers



# Windows Updates



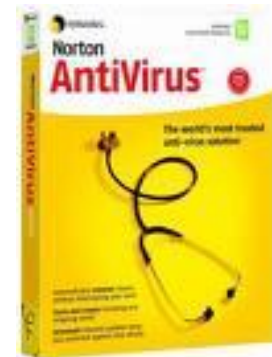
- ▶ Automatic Updates
  - Automatic
  - Download and you decide
  - Notify you when updates are available
- ▶ Microsoft Updates
  - This will update Microsoft Applications
  - Office Updates



# Applications



- ▶ Average user has 25 applications installed
  - Updates fix bugs or add enhancements
  - Upgrade to a newer version (may have to pay)
- ▶ Power users may have 100 applications.
  - Hard to keep track of updates.
  - May not want all the applications checking for updates on system startup



# Update Tools

- ▶ Beware of fake updates !!
- ▶ Can check your installed software for available updates.
- ▶ Free Update Utilities (Download.com)
  - UpdateStar
  - FileHippo Update Checker
  - Update Notifier
  - SUMo – Software Update Monitor
    - Can select software to monitor



# Important Updates

- ▶ Operating System
  - Security Patches
- ▶ Browser
  - Security Patches
- ▶ Antivirus / Spyware / Malware
  - Virus signatures



# Hardware and Device Driver Updates

- ▶ Drivers Updates may help prevent
  - Computer Lockups
  - Screen Freezes
  - Printing Problems
- ▶ Video Cards
- ▶ System/Motherboard



# System Startup



- ▶ Many applications add an update check to startup
- ▶ Uses memory and system resources
- ▶ Slows down your system
- ▶ Take unnecessary items out of startup
  - MSCONFIG
  - Ccleaner
  - Windows Defender (Control Panel)
  - Spybot Search and Destroy
  - [Bleepingcomputer.com/startup](http://bleepingcomputer.com/startup)
    - Information on startup items



# Tips

- ▶ Streamline your startup programs.
- ▶ Install program updates when needed.
  - Allow programs to check for updates when you run them
- ▶ Setup virus and spyware scans to run automatically if you leave your computer on
- ▶ Run full scans on a regular basis.
  - Virus / Spyware / Malware
- ▶ Secondary Browser Installed
  - Firefox, Opera, Avant

# Should Have

- ▶ Recovery Partition
- ▶ Operating System CD/DVD
  - Boot off the CD to Fix Startup errors
  - Fix File System Errors
  - Repair install (Windows XP)
- ▶ Utilities Disc
  - Hard drive Utility
  - Memory Utility
  - Password Tool



# System Backup

- ▶ Complete System Backup
  - ▶ Vista/Windows 7
    - ▶ Backup Utility
    - ▶ Backup Program
      - ▶ Acronis / Ghost
    - ▶ External Hard Drive
      - ▶ USB / eSata



# Data Backup

- ▶ Data Files
  - ▶ USB Drives
    - ▶ Hard Drive
    - ▶ Flash Drive
  - ▶ On Line



# Preventative Maintenance

- ▶ **Hard Drive**
  - Check disk for errors
  - Defrag
    - Vista will run once a week.
  - Cleanup Utility Run Daily
    - Stephen Gould's Cleanup
    - Ccleaner
- ▶ **System Registry**
  - Scan the registry for problems
    - Norton System Works
      - WinDoctor
    - Ccleaner

# Tech '11

- ▶ Visit with the vendors and presenters
- ▶ Thank You For Attending

