

# HOW TO KEEP YOUR PC RUNNING EFFICIENTLY

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LCCUG Meeting

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# Tonight's Discussion

- Improving Performance

- see “Improving Performance of Older PCs” on LCCUG Web Site ...  
Helpful Hints

At least the following

- Clean up Startup Programs
  - Keep Windows updates current
  - Turn off Indexing
  - If <2 GB of RAM, consider adding Memory
- Maintaining Performance
    - Install and run 4 free programs regularly

# Startup Programs

- Click Start

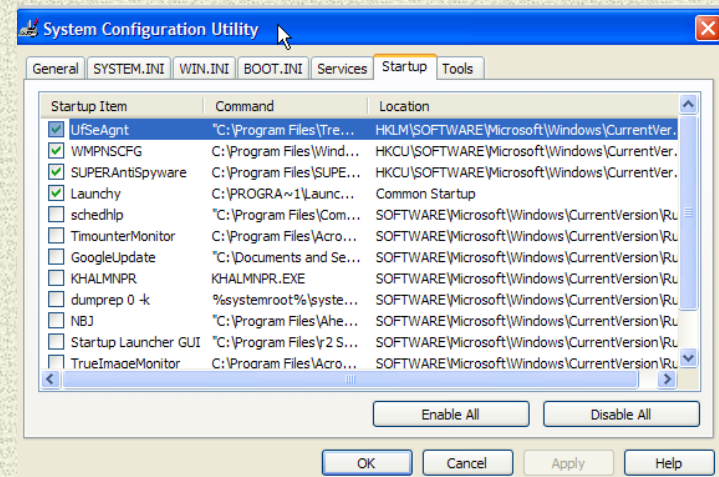
*In XP*

- Click Run
- Type “msconfig” and enter

*In Vista and beyond*

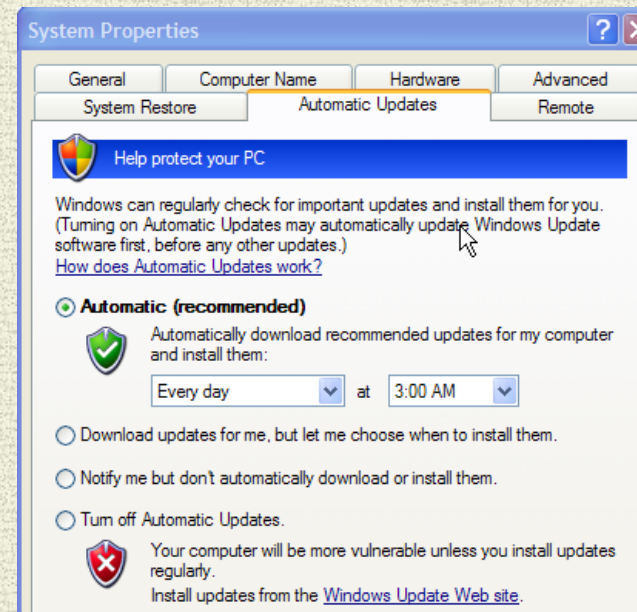
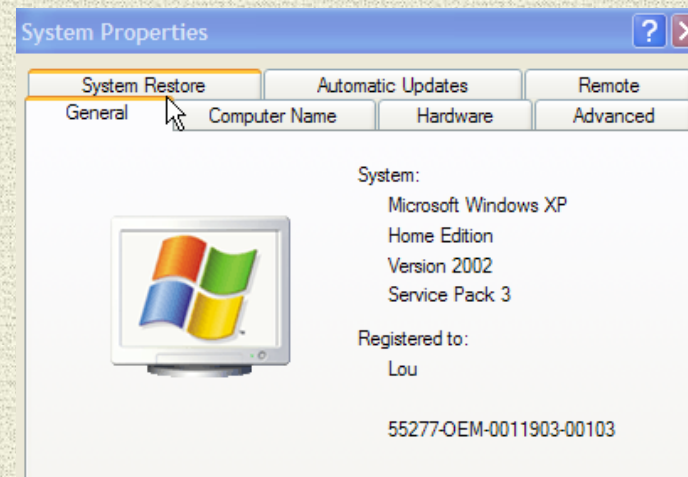
- Type “msconfig” in search box
- Select “Startup”
- Look at checked Programs

You only need 2-5 programs checked to start at bootup.



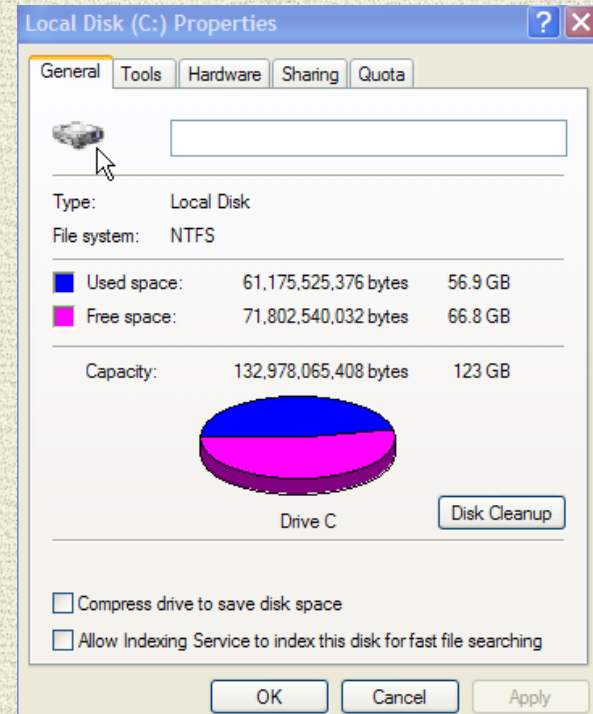
# Windows Updates

- Click ... *My Computer*
- Select ... *View System Information*
- Select ... *Automatic Updates*
- Choose option 1, 2 or 3 depending on how much control you want on what and when your updates are installed.



# Indexing

- Indexing speeds up searches but slows normal operation
- Select ... *My Computer*
- Right Click ... *Local Disk (C )*
- Choose ... *Properties (at bottom)*
- Make sure “*Allow Indexing Service* ... “ is not checked



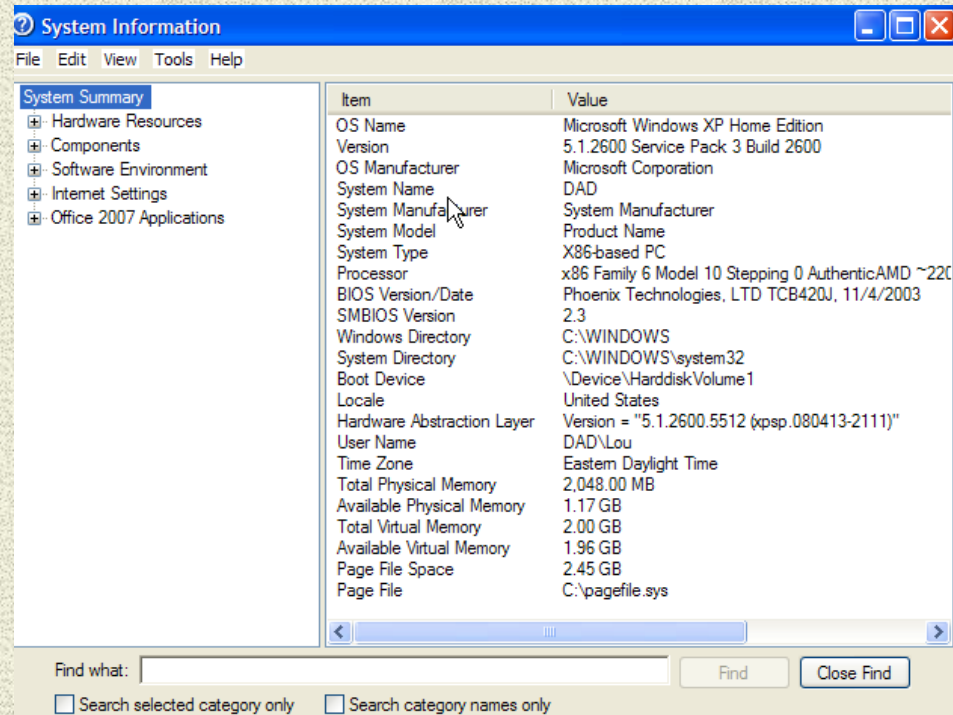
# RAM Memory

To check your memory

- Click ... *Start*
- Click ... *Run*
- Type ... “*msinfo32*” ... *enter*

If you have less than 2 GB of memory, you should consider adding more if you want to keep your computer.

You can determine type of memory and get a cost by using the [Crucial Memory Scanner](#)



The screenshot shows the Windows System Information utility. The left pane displays a tree view with categories: System Summary, Hardware Resources, Components, Software Environment, Internet Settings, and Office 2007 Applications. The right pane shows a list of system items and their values. The 'Total Physical Memory' is listed as 2,048.00 MB, with 1.17 GB available. Other items include OS Name (Microsoft Windows XP Home Edition), System Name (DAD), and Processor (x86 Family 6 Model 10 Stepping 0 AuthenticAMD ~220).

Item	Value
OS Name	Microsoft Windows XP Home Edition
Version	5.1.2600 Service Pack 3 Build 2600
OS Manufacturer	Microsoft Corporation
System Name	DAD
System Manufacturer	System Manufacturer
System Model	Product Name
System Type	X86-based PC
Processor	x86 Family 6 Model 10 Stepping 0 AuthenticAMD ~220
BIOS Version/Date	Phoenix Technologies, LTD TCB420J, 11/4/2003
SMBIOS Version	2.3
Windows Directory	C:\WINDOWS
System Directory	C:\WINDOWS\system32
Boot Device	\Device\HarddiskVolume1
Locale	United States
Hardware Abstraction Layer	Version = "5.1.2600.5512 (xpsp.080413-2111)"
User Name	DAD\Lou
Time Zone	Eastern Daylight Time
Total Physical Memory	2,048.00 MB
Available Physical Memory	1.17 GB
Total Virtual Memory	2.00 GB
Available Virtual Memory	1.96 GB
Page File Space	2.45 GB
Page File	C:\pagefile.sys

# KEEP YOUR PC RUNNING RIGHT

- Download and install the following 4 programs (free versions)
  1. [Advanced System Care](#) by Iobit
  2. [Glary Utilities](#) by Glarysoft
  3. [Malwarebytes](#)
  4. [Superantispyware](#)

Demos of each

# What you should do !!!!

- The 4 programs that we just looked at are very simple to use so to keep your computer safe and efficient ...
  - Run one program each week during a month
  - Advanced System Care and Glary will clean up your system operations ... each in a little different way
  - Malwarebytes and Superantispyware will clear out any remnants from web use and other malware.

# Auslogic Screen Saver Defrag

- [Download Auslogic Defrag here](#)