TURN OFF STARTUP PROGRAMS TO SPEED UP YOUR "WINDOWS.." COMPUTER

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Web location for this presentation:

http://aztcs.org Click on "Meeting Notes"

SUMMARY

You can speed up your computer by turning off some of the "memory resident" startup programs that "Windows.." and many software applications put into your computer.

BASIC STRATEGY

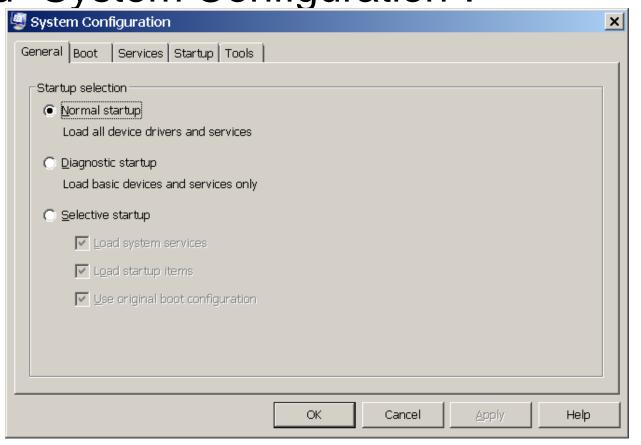
- Make reversible changes to the "Windows.." operating system
- Make "image backups" and "restore points", prior to making changes
- Take advantage of the compounding effects of multiple speedup tweaks

PROCEDURE & TOPICS

- Technical Advice
- Step 1: Relocate shortcuts in the "Startup" folder
- Step 2: Run "regedit.exe" to "rem" out unwanted startup programs
- More Technical Advice

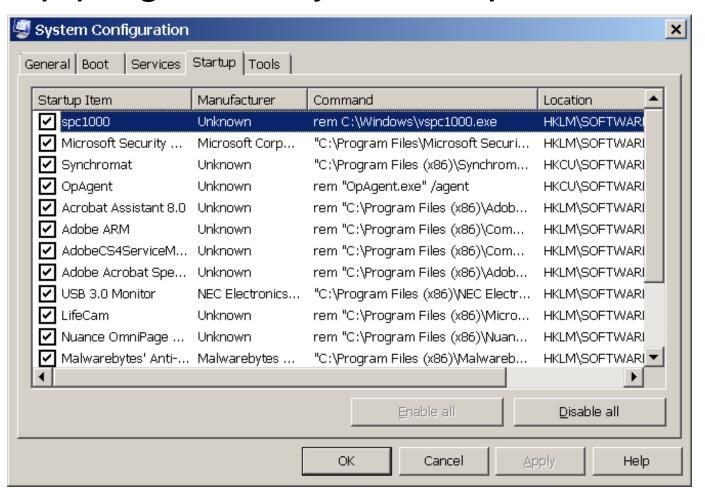
TECHNICAL ADVICE: Do Not Use "msconfig.exe" To Turn Off Startup Programs!

 Everybody loves "msconfig.exe" which is also called "System Configuration":



TECHNICAL ADVICE:

- Do Not Use "msconfig.exe" (continued)
- It has a "Startup" tab for disabling some of the startup programs in your computer:



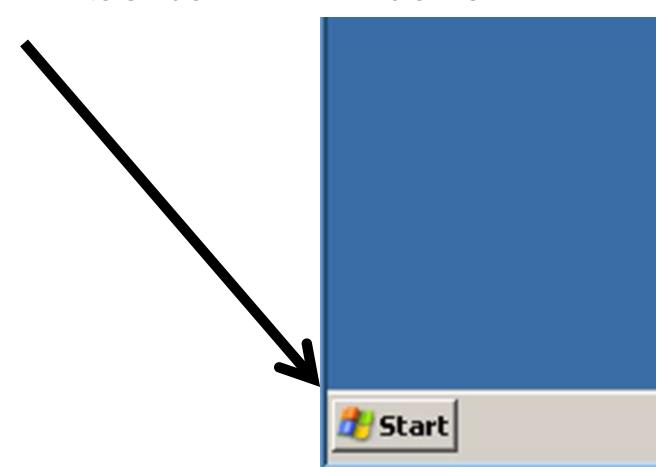
TECHNICAL ADVICE: Do Not Use "msconfig.exe" (continued)

 The reasons for not using "msconfig" to disable startup programs can be found at http://forums.majorgeeks.com/showt hread.php?t=149804 and http://www.bleepingcomputer.com/forum s/t/87058/slow-computerbrowser-checkhere-first;-it-may-not-be-malware/

You should not use msconfig to disable startup applications related to services. Doing so alters the registry and there are services that are essential for hardware and booting. When you uncheck a service in msconfig, you completely disable it. If you uncheck the wrong one, you may not be able to restart your computer You should only disable services using the Services Management Console.

Relocate shortcuts from "Startup" folder(s):

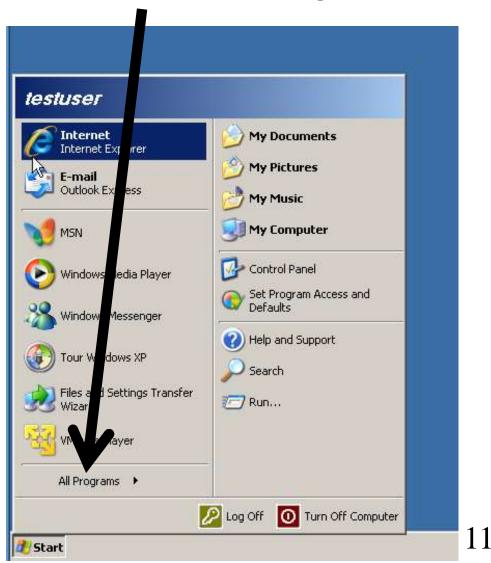
 Step 1a: Click on the "Start" button which is located at the left or bottom of the gray "taskbar" in "Windows XP":



Relocate shortcuts from "Startup" (continued)

Step 1b: Click on "All Programs" in the "Start

menu":



Relocate shortcuts from "Startup" (continued)

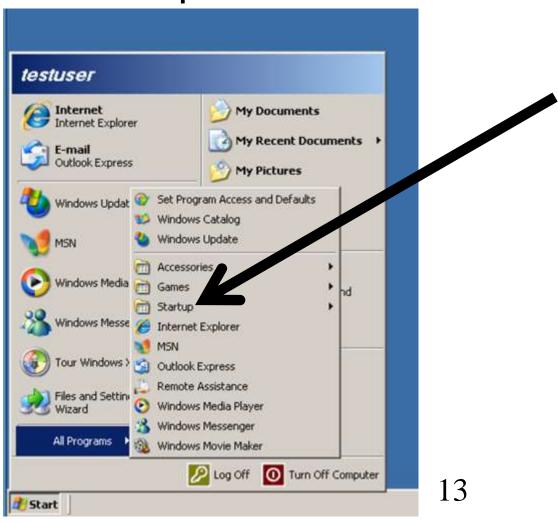
Step 1c: Locate the "Startup" folder:



12

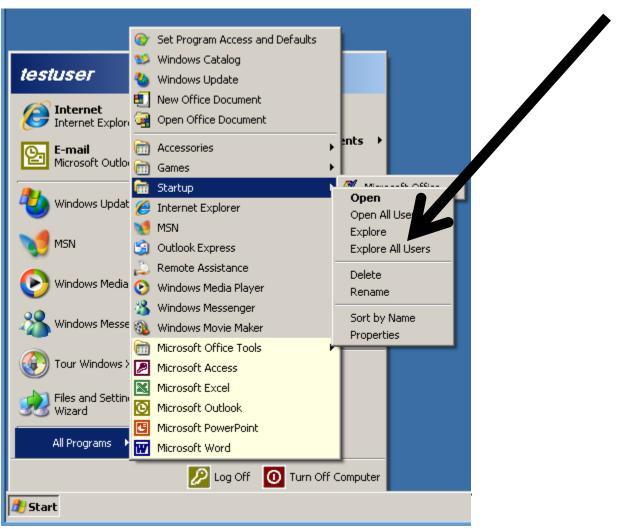
Relocate shortcuts from "Startup" (continued)

 Step 1c: Use the RIGHT mouse button to click on the "Startup" folder:



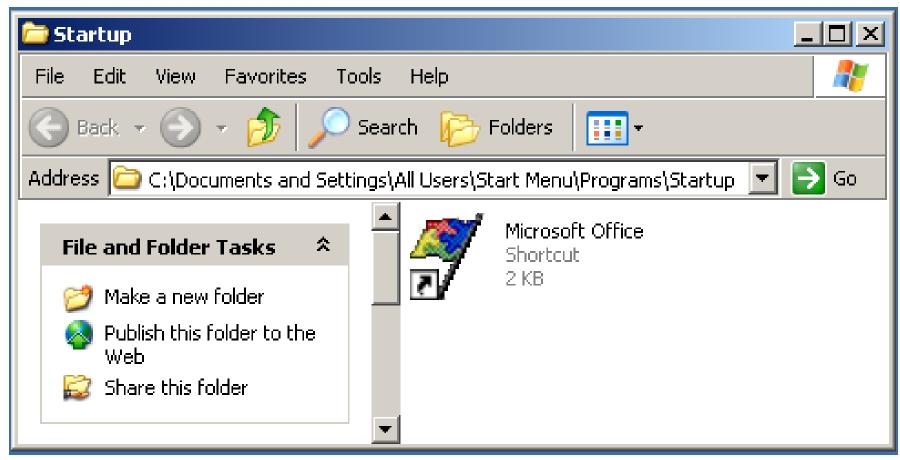
Relocate shortcuts from "Startup" (continued)

 Step 1d: Click on "Explore All Users in the pop-up context menu:



Relocate shortcuts from "Startup" (continued)

 Step 1e: A "Windows Explorer" window will be displayed:

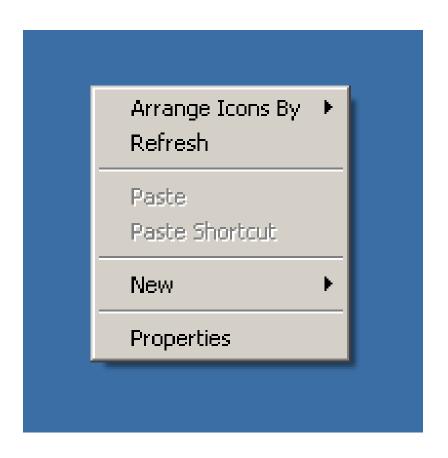


Relocate shortcuts from "Startup" (continued)

 Step 1f: Use the RIGHT mouse button to perform a click on the Windows "Desktop".

Relocate shortcuts from "Startup" (continued)

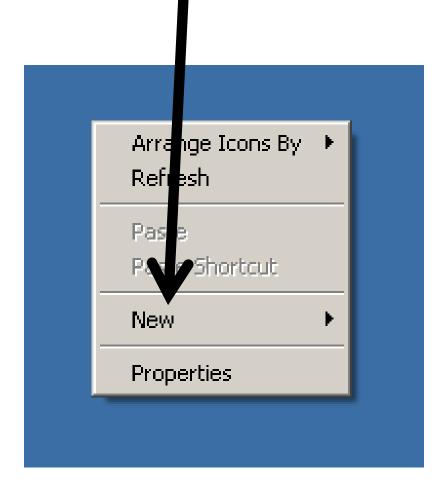
Step 1g: A pop-up context menu will be displayed:



Relocate shortcuts from "Startup" (continued)

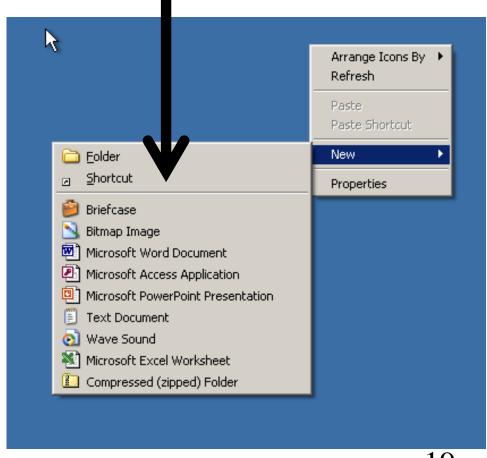
Step 1h: Click on "New" in the pop-up context

menu:



Relocate shortcuts from "Startup" (continued)

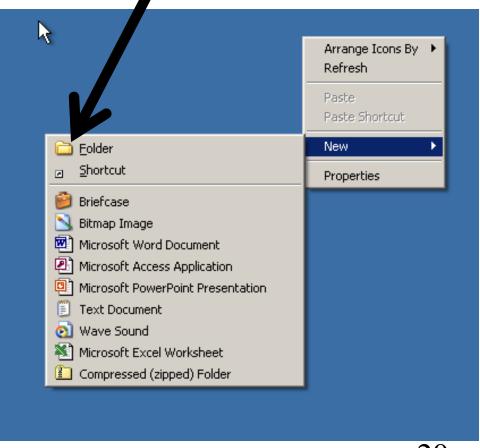
Step 1i: A second pop-up context menu will be displayed:



Relocate shortcuts from "Startup" (continued)

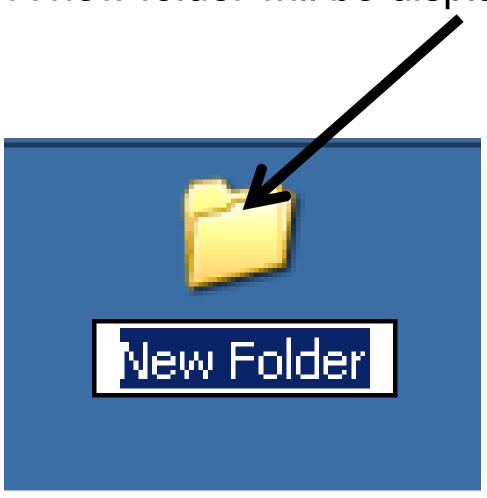
Step 1j: Click on "Folder" in the second pop-

up context menu:



DETAILS OF STEP 1: Relocate shortcuts from "Startup" (continued)

Step 1k: A new folder will be displayed:



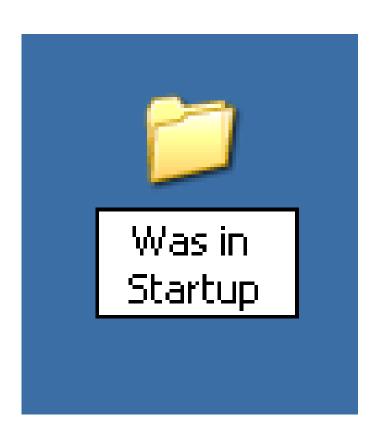
Relocate shortcuts from "Startup" (continued)

 Step 1L: Type in an appropriate name for the folder. We suggest "Was In Startup":



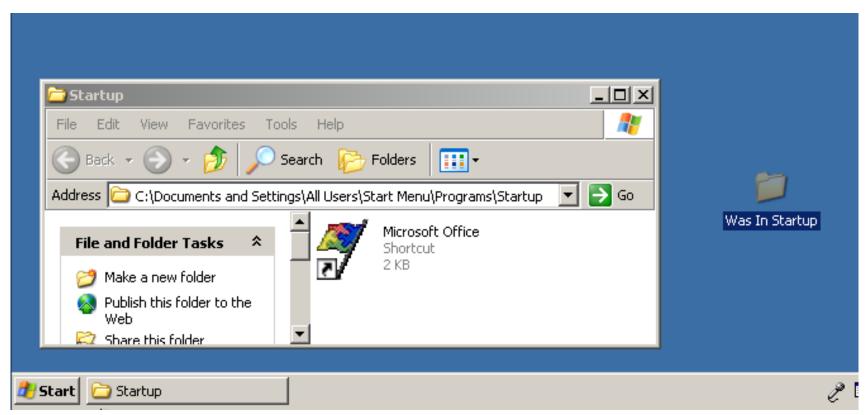
Relocate shortcuts from "Startup" (continued)

 Step 1L: Type in an appropriate name for the folder. We suggest "Was In Startup":



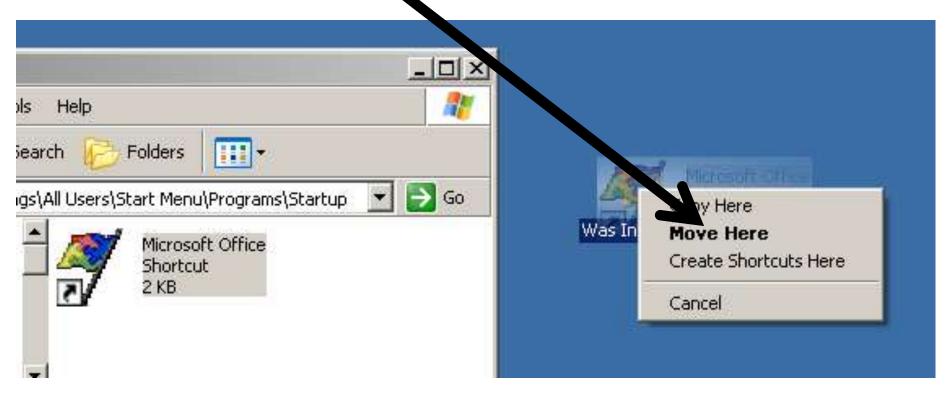
Relocate shortcuts from "Startup" (continued)

 Step 1m: To disable any startup program, use the RIGHT mouse button to drag it to the "Was In Startup" folderas In Startup":



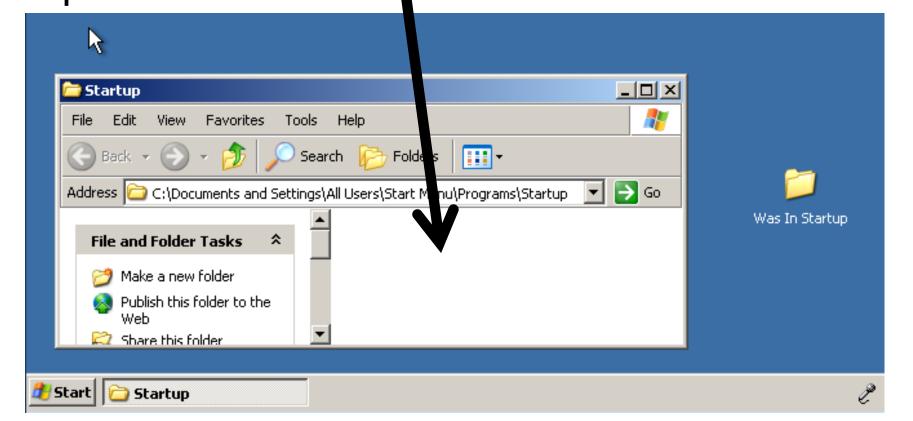
Relocate shortcuts from "Startup" (continued)

 Step 1n: When you release the mouse button, select "Move Here" from the pop-up context menu:



Relocate shortcuts from "Startup" (continued)

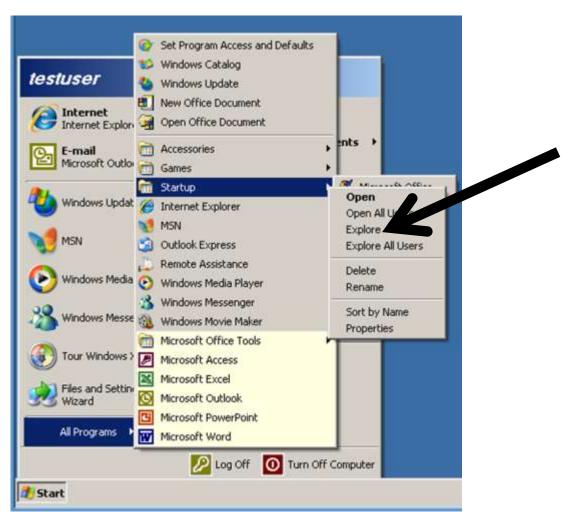
 Step 1o: Since the unwanted startup prgram is no longer in a "Startup" folder, it will no longer automatically start when "Windows.." is booted up:



Relocate shortcuts from "Startup" (continued)

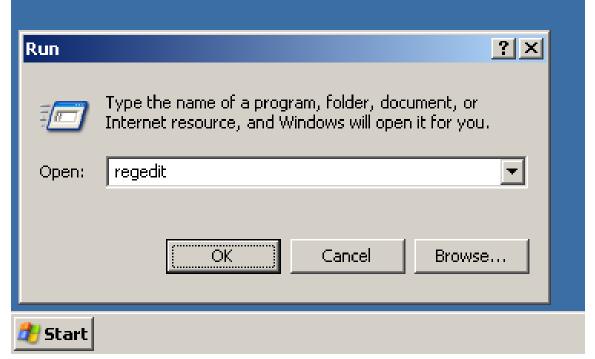
Step 1p: Repeat Step 1a through 1o except for Step 1d select "Explore" instead of "Explore"

All Users".



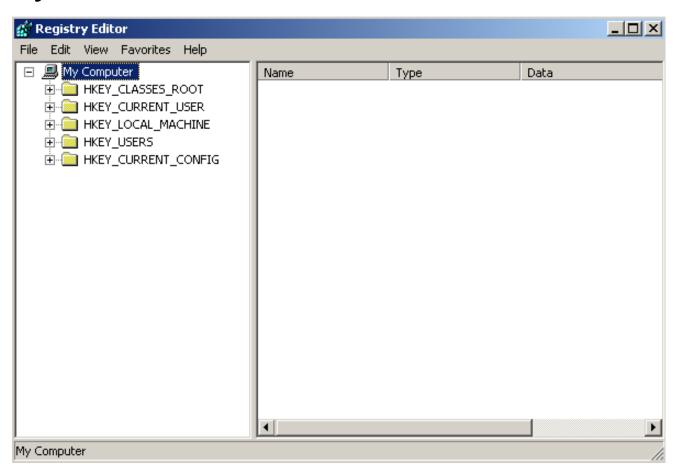
Run "regedit.exe" to "rem" out unwanted startup programs

 Step 2a: Run "regedit" from a "Run" box, a "Search" box, or a "Command Prompt" window.



Run "regedit.exe" to "rem" out unwanted startup programs

Step 2b: A "Registry Editor" window will be displayed:



Run "regedit.exe" to "rem" out unwanted startup programs

- Step 2c: Press "Ctrl"+"F" on the keyboard.
- Step 2d: A "Find" box will be displayed:

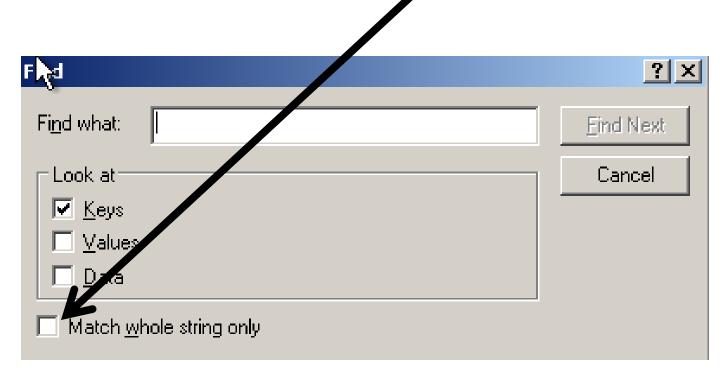


Run "regedit.exe" to "rem" out unwanted startup programs

Step 2e: Make sure that "Keys" is checked, "Values" is not checked, and "Data" is not checked: Flad ?| X Find what: Find Next Cancel Look at <u>K</u>eys Data Match whole string only

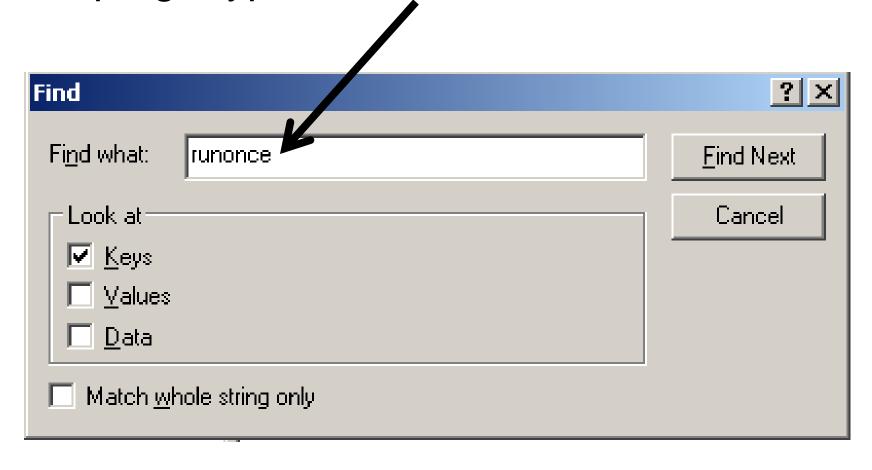
Run "regedit.exe" to "rem" out unwanted startup programs

Step 2f: Make sure that "Match whole string only" is not checked:



Run "regedit.exe" to "rem" out unwanted startup programs

Step 2g: Type in "Runonce":



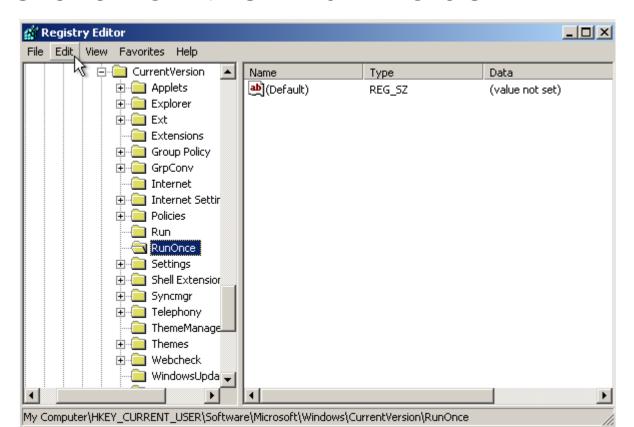
DETAILS OF STEP 2: Run "regedit.exe" to "rem" out unwanted startup programs

Step 2h: Click on the "Find Next" button:

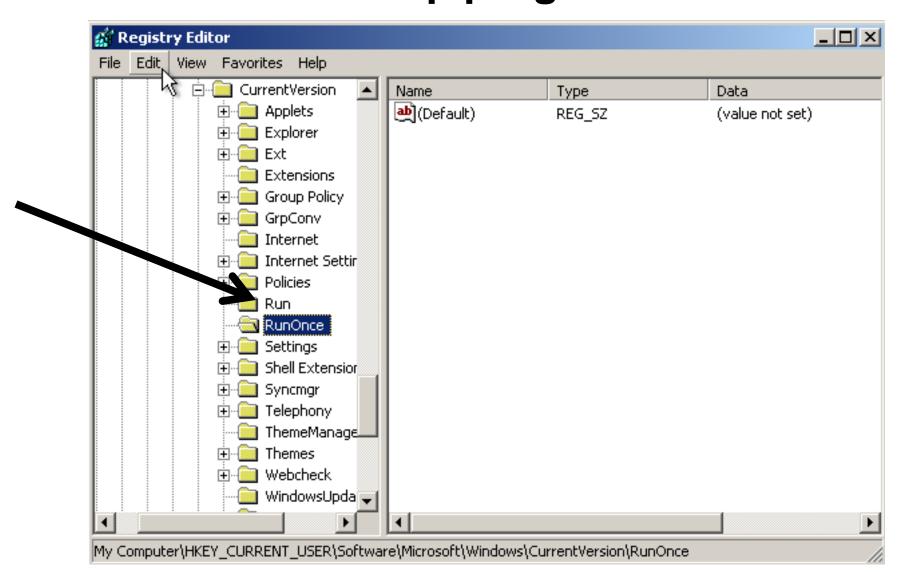
Find	? ×
Find what: runonce	Find Next
_Look at	Cancel
✓ Keys	
☐ <u>V</u> alues	
☐ <u>D</u> ata	
Match <u>w</u> hole string only	

Run "regedit.exe" to "rem" out unwanted startup programs

Step 2i: Whenever you find a "Run" folder which are located above a "Runonce" folder, double-click on the "Run" folder:



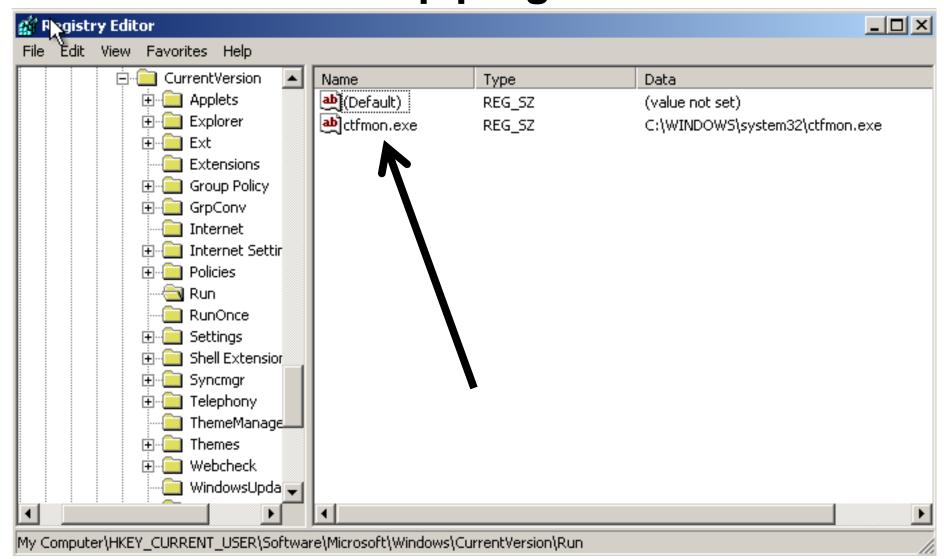
DETAILS OF STEP 2: Run "regedit.exe" to "rem" out unwanted startup programs



DETAILS OF STEP 2: Run "regedit.exe" to "rem" out unwanted startup programs

 Step 2j: The registry keys that are inside the "Run" folder will be displayed in the right pane:

DETAILS OF STEP 2: Run "regedit.exe" to "rem" out unwanted startup programs



DETAILS OF STEP 2:

Run "regedit.exe" to "rem" out unwanted startup programs

- Step 2k: If you wish to disable a registry key, double-click on it.
- Step 2L: An "Edit String" box for the registry key will be displayed:

Edit String		? ×
Value name:		
ctfmon.exe		
Value data:		
C:\WINDOWS\system32\ctfmon.exe		
	OK	Cancel

DETAILS OF STEP 2:

Run "regedit.exe" to "rem" out unwanted startup programs

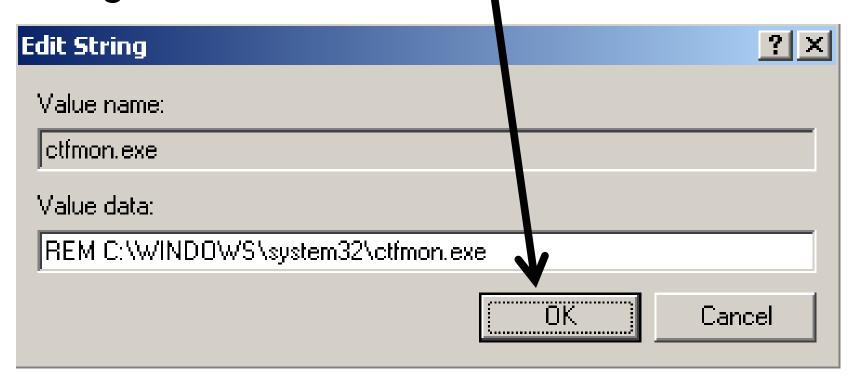
 Step 2m: To disable the corresponding startup prgram, place the characters REM at the left end of the "Value data" field:

Edit String		? ×
Value name:		
ctfmon.exe		
Value Hata:		
REM C:\WINDOWS\system32'	\ctfmon.exe	
	OK	Cancel

DETAILS OF STEP 2:

Run "regedit.exe" to "rem" out unwanted startup programs

 Step 2n: Click on the "OK" button of the "Edit String" box:



MORE TECHNICAL ADVICE: Databases of Startup Programs

- http://www.pacsportal.co.uk/startup_search.php
- http://www.processlibrary.com/
- or simply search for the name of the startup program in "Google"!

MORE TECHNICAL ADVICE: You Usually Should Not Run Multiple Antivirus/Antispyware Programs that Run "Memory Resident" in the Background

According to

http://www.bleepingcomputer.com/forums/topic 87058.html:

<Start of quote:>

• Never use more than one anti-virus program. The concern with using more than one is due to *conflicts that can arise when both are running in real-time mode simultaneously.*

MORE TECHNICAL ADVICE: You Usually Should Not Run Multiple Antivirus/Antispyware Programs that Run "Memory Resident" in the Background (continued)

Anti-virus software components insert themselves into the operating systems core and using more than one can cause instability, sluggish system performance, unresponsive behavior or crash your computer. Further, each anti-virus will often interpret the activity of the other as a virus and there is a greater chance of them alerting you to "False Positives".

<End of quote>

MORE TECHNICAL ADVICE: You Usually Should Not Run Multiple **Antivirus/Antispyware Programs that Run "Memory** Resident" in the Background (continued)

Exceptions:

 "MalwareBytes Anti-Malware Pro" runs in the background but it gets along fine with "Microsoft Security Essentials" ("MSE") and many other antivirus/antispyware programs that also run in the background

MORE TECHNICAL ADVICE: You Usually Should Not Run Multiple Antivirus/Antispyware Programs that Run "Memory Resident" in the Background (continued) Exceptions (continued):

 "SuperAntiSpyware Free Edition" only runs in the background to put a ladybug icon in the notification area so it is safe with "MSE" and many other antivirus/antispyware programs that also run in the background.

MORE TECHNICAL ADVICE: Startup Programs That You Should NOT Stop in "Windows XP"

In a "Windows XP" computer, do not stop: Csrss.exe, Explorer.exe, Internat.exe, Lsass.exe, Mstask.exe, Smss.exe, Spoolsv.exe, Svchost.exe, Services.exe, System, System Idle, Taskmgr.exe, Winlogon.exe, Winmgmt.exe See http://www.pugetsystems.com/help/disable startups.php

MORE TECHNICAL ADVICE: Startup Programs to Stop in "Windows XP" For Windows XP computers, disable "ctfmon.exe" and "mdm.exe"

According to

http://www.bleepingcomputer.com/forums/topic87 058.html

- <Start of quote:>
- **Disable <u>Ctfmon.exe</u>** if its not needed. This is a process that installs with Windows when you configure the language options and is is installed with IE7's Language Tool Bar or Office applications.

MORE TECHNICAL ADVICE: Startup Programs to Stop in "Windows XP" (continued)

Ctfmon monitors the active windows and provides text input service support for speech recognition, handwriting recognition, keyboard, translation, and other alternative user input technologies. If you do not use these features, then this process is not required. To prevent it from running, follow the steps to disable provided in What is ctfmon.exe And Why Is It Running?. Also see How to turn off the speech recognition in Office.

MORE TECHNICAL ADVICE: Startup Programs to Stop in Windows XP (continued)

• Disable Mdm.exe if its not needed. Mdm.exe is Microsoft's Machine Debug Manager program which is included in Microsoft Visual Studio .NET, Microsoft Office 2007, Microsoft Office 2003, and a Microsoft Office XP post-Service Pack 3 release to provide support for program debugging. This process starts when script debugging is enabled in Internet Explorer. It runs as a service with the local system account and is loaded when the computer starts

MORE TECHNICAL ADVICE: Startup Programs to Stop in Windows XP (continued)

but sometimes tends to slow system performance.

This is a non-essential process and if you do not use your computer for debugging purposes, you can disable Machine Debug Manager.

- You can use "Windows Defender" to disable startup programs in "Windows XP" and "Windows Vista"
- The "Software Explorer" screen in "Windows
 Defender" lets you edit the registry to disable
 (and re-enable) startup programs for "Windows
 XP" and "Windows Vista".
- This is great if you do not want to edit the registry directly.
- The "Software Explorer" screen is missing from the "Windows Defender" in "Windows 7".

MORE TECHNICAL ADVICE: ..use "Windows Defender" to disable startup programs (continued)

 "Windows Defender" is automatically uninstalled when you install any other antivirus/antimalware program (including "Microsoft Security Essentials") that runs in the background to scan for viruses/malware.

..use "Windows Defender" to disable startup programs (continued)

Use of "Windows Defender" to disable startup programs is described at http://windows.microsoft.com/en-us/windows-vista/using-software-explorer-in-windows-defender and

http://www.vistaclues.com/turn-off-a-startupprogram/

and

..use "Windows Defender" to disable startup programs (continued)

and

http://www.jerrytravis.com/278/controllingstartup-programs-in-windows-vista and

http://www.brighthub.com/computing/windows-platform/articles/20873.aspx

- ..use "Windows Defender" to disable startup programs (continued)
- If you already have a antispyware/antimalware program that runs in the background installed into your "Windows XP" or "Windows Vista", computer, you will have to uninstall it and then download and install "Windows Defender", before you can run its "Software Explorer" screen to disable/enable startup programs.

APPENDIX 1 ARTICLES WITH MORE TECHNICAL ADVICE:

Here are some great articles about speeding up your "Windows" computer:

 http://www.7tutorials.com/8-ways-performingquick-application-installations-ruin-performance