

Resource Center Training for PC's

"Why is my PC so slow?!?!"

Executing a Single Instruction



Task Manager tells you what is physically going on:

- 1. What program is using most of the CPU cycles
- 2. What program is taking up most of the memory and how much memory is available
- 3. How much information is coming from the disks and the network

Processes	Performance	App history	Startup	Users	Details	Service	es -		
^			1%	43%		0%	0%		
Name				CPU	Mem	iory	Disk	Network	
Apps (7)									
> 🕨 Bir	ng Desktop App	lication (32 bit)	0%	3.2	MB	0 MB/s	0 Mbps	
Calculator			0%	10.2	мв	0 MB/s	0 Mbps		
> 😽 Malwarebytes Tray Application			0%	5.9	мв	0 MB/s	0 Mbps		
e Microsoft Edge			0%	29.5	мв	0 MB/s	0 Mbps		
> 🛐 Microsoft PowerPoint (32 bit)			0%	78.2	мв	0 MB/s	0 Mbps		
> 📲 Mi	crosoft Word (3	32 bit)		0%	61.4	мв	0 MB/s	0 Mbps	
> 🙀 Tas	sk Manager			0.2%	14.0	мв	0 MB/s	0 Mbps	
Background processes (74)									
> 🔳 Ac	ronis Scheduler	r 2		0%	1.0	мв	0 MB/s	0 Mbps	
🔳 Ac	ronis Scheduler	r Helper		0%	1.1	мв	0 MB/s	0 Mbps	
📑 Ac	ronis TIB Moun	nter Monitor (3		0%	1.0	мв	0 MB/s	0 Mbps	
A Ac	ronis True Imag	ge Monitor (32		0.6%	5.8	мв	0 MB/s	0 Mbps	
> 🗖 Ad	lobe Acrobat Up	pdate Service		0%	0.4	мв	0 MB/s	0 Mbps	

😰 Task Manager

File Options View

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Executing a Single Instruction



Most Important Speed Issues for NEW PC

- 1. Having Enough Memory
 - 4 GB minimum, 16 GB great!
- 2. Solid State Hard Drive
- 3. Processor speed and cache sizes
 - Intel "I" series is safe, the newer the better
 - 13 is fine for standard home use
 - 17 is best for compute intensive stuff like video editing

"Why is my PC running so slow?!?!"



Understand what you are dealing with

Right Click on Start and select System
 Processor – Dual Core Pentium or better, 2 GHz or faster
 All the Intel I processors should be OK
 Memory – 4 GB or more (2 GB only in tablet type PC)

2. Open File Explorer and click on This PC Insure 20 GB free space



Not much can be done if these conditions are not met. Time to recommend a new PC

Start with a reboot This is the most frequent fix!

- Click on Start/Power/Restart
 - Many users just shut the lid of their laptop or hit the power button or just walk away and think it restarts when they do this.
- As it restarts
 - Observe how long it takes to start
 - What messages are given during the start up

A lengthy restart may just happen because it hasn't restarted in a while, but also could indicate too many start up programs and services. Messages during startup may point at unwanted programs.

- If it is very slow for some time after startup
 - Task Manager/Process and note what services are taking up CPU, memory and disk

Look for obvious problems

- 1. Have a conversation to understand when the slow down happened and how quickly it seemed to happen
- 2. If the problem started at a specific point in time
 - 1. Go to Control Panel/Add Remove Programs and see what may have been installed when it started
 - 2. Go to Task Manager/Startup and look for programs which may have been installed at that time
- 3. If it is a slowing down over time, Look for the common problems first
 - 1. Too many "helping" programs running
 - 2. Too many startup programs Memory is overcommitted
 - 3. Malware or virus

1. Remove all Redundant Helping Programs

- Look in the system tray for programs that are running and supposedly helping performance or looking for bad stuff
 - Make sure there is only one anti virus
 - Make sure there is only one anti malware
 - Either delete everything else or set it to not run at startup

Example

Malwarebytes free is wonderful, Malwarebytes Pro runs in startup and will slow the PC down.

Register cleaners and other stuff are really PUPs

2. Too Many Startup Programs

- Right Click on Start and open Task Manager / Startup
 - Disable anything that isn't absolutely needed
 - Restart and test after disabling services, they can always be reenabled!

3. Malware and Viruses

- Go to Control Panel / Uninstall Programs
 - Scan the list for bad stuff!
 - Sort the list by install date and see what happened when the problems started
 - Attempt to uninstall programs that are bad or installed when the problem started and are not needed by the member
- Go to the Browser's "manage add-ons"
 - Look at Toolbar, Search and Accelerator add-ons
 - Disable any that are not known and needed
- Run Malwarebytes free and do what it says.
 - Best to run as administrator
 - May need to run twice if there is a lot of stuff (20 or more things found)
 - Insure when done that you don't have it running the "Pro Trial"

The Bad Guys Examples of "Potentially Unwanted Programs"

Web Assistant MyPcBackup MySearchDial Safe Search Incredibar PCSpeedUp



MyWebSearch Mindspark Interactive Conduit Outfox TV SeverWeatherAlerts

Questions / Experience

• Remember

We are "members helping members"

Don't leave the PC worse than you found it!