

AVENUE 18 COMPUTER'S 10 Step Tune Up and Maintenance Tip's

- 1- Run **CCLEANER** to *zap most* temp files (deselect the recent item checkboxes).
 - 2- Run an updated **Malwarebytes scan** to clean and remove any viruses or malware.
 - 3- Run **DeFraggler** to *consolidate* hard drive files – Test speed with Benchmark option.
 - 4- Add **hardware driver updates** as per your *Motherboard & Graphics* card vendor.
 - 5- Add/Run **Windows updates Regularly**. Check *now* to see if you're current.
 - 6- Visit **Java.com and get updated**. Java is *crucial* for secure web browsing.
 - 7- Verify hard drive **free space** is *adequate* with more than 20% free space.
 - 8- Reboot, **then repeat Steps 4-5** in that order to get any *remaining* updates.
 - 9- Run **PROCESS EXPLORER** to identify and later remove junkware and system hogs.
 - 10- Optional: Run **CCLEANER** use Tools, Startup to *carefully* disable un-needed items.
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REGULAR MAINTENANCE TIPS

CCLEANER – run this Temp file cleaner every 1 to 2 weeks, or so. Note the amount of files removed to gauge the rate of temp file accumulation. Run frequently if disk space is low.

DEFRAGGLER – click analyze; run Defrag when fragmentation hits 8-10%. Depending on the function of the files defragged, the gains from consolidation may be minor. Check monthly.

PROCESS EXPLORER – identify system CPU hogs, oddball applications and junkware.

MALWAREBYTES – Run this monthly or whenever you think your web search has been hijacked or if you have installed an odd “plug-in”; or if you have “pop-ups” or any odd PC behavior.

DOWNLOAD TOOLS, CCleaner etc → www.filehippo.com

PERFORMANCE UPGRADE CONSIDERATIONS

VIDEO GRAPHICS and RAM

Desktops are easily upgraded to faster video cards (\$100 – 300). Desktops and Laptops can benefit from getting the latest video drivers. More system ram can be helpful overall.

INTERNET PROVIDER SPEED

Internet download speeds of 10 MB are *minimal* for quality live streaming video. 25 MB or better is considered BROADBAND by the FCC. We say 50-100mb is minimal for a pro-grade internet experience. Frequently test your WEB Speed at www.speedtest.net – *verify* that you are getting the speed you paid your provider for; call them and ask if you are eligible for faster internet and modem. *Determine* if your computer usage is primarily local application <or> Internet based.

HARD DRIVE UPGRADES

Most modern computers and laptops have a **SATA** connection which *allows* upgrading to **faster solid state (SSD)** hard drives. An **SSD** drive can *boost startup and app speed* on all desktops and especially laptops quite dramatically. An SSD *won't* make your internet faster however.

SSD DRIVES are *solid state, pure ram* based drives, typically **5-40+ times faster** than your typical SATA hard drive. A **SSD** is *your best overall upgrade*, typically \$200-300 and up depending on capacity. Your old HD is “Cloned” over to the SSD and voila, a substantial overall speed boost.

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