

System Mechanic® 9 Feature Overview

An in-depth look at the new and enhanced features in iolo System Mechanic 9



Welcome to the Next Generation of PC Tune-up

Smarter	Faster	Deeper
<p>Newly expanded Tune-up Definitions with weekly updates from iolo Labs literally make the product more effective the longer it is used.</p> <p>Tune-up Definitions teach System Mechanic® about the latest PC performance issues as they manifest and evolve in real time, keeping the product agile, safe, and powerful.</p> <p>As iolo Labs finds new ways to improve speed, repair problems, and preserve stability, this data is compiled into and delivered as an ongoing stream of updates which represent an integral part of the System Mechanic service.</p> <p>System Mechanic is now powered by a database of nearly 10,000 (and growing) independent Tune-up Definitions that deliver the power of iolo Labs' ongoing performance research directly to desktops everywhere.</p>	<p>Today's PC users demand performance. With rapidly evolving hardware and more resource intensive applications, no one has time to wait for tune-up software to inch along while it scans for problems or performs optimizations.</p> <p>The System Mechanic engineering team has made speed a priority in version 9, combing through every tool and module in order to optimize the product and push the performance envelope.</p> <p>System Mechanic 9 arrives with a comprehensive set of significant speed improvements throughout the product.</p> <p>Scans are faster, cleanups occur more rapidly, repairs occur in less time, deep system analysis duration is up to 30% faster, and patent-pending ActiveCare®'s footprint is even lighter than before.</p>	<p>Based on breakthrough research from iolo Labs, iolo's engineers have uncovered a multitude of previously unknown core problem areas in Windows 7, Vista, and XP that lead to eventual PC clogging, slowdowns, crashes, and freezes.</p> <p>All of these new problem areas are now covered in System Mechanic 9, making the product exponentially more effective than its predecessors.</p> <p>Advances include a reengineered registry repair tool that detects up to a staggering 500% more errors and problems. Countless new varieties of insidious clutter unique to new versions of Windows 7 and Vista are now able to be cleaned up. Memory is now defragmented up to 25% more thoroughly. And the tracks left behind by dozens of new software programs are able to be found and removed by the enhanced privacy cleaner tool.</p>

The Result? Your PC keeps running like the day it was born

New and improved features in System Mechanic 9 deliver the most effective PC tune-up available

- Several exciting new tools add even more tune-up power
- Existing tools have been reengineered for greater speed and effectiveness
- New “Tune-up Definitions” deliver the latest optimizations discovered by iolo Labs’ directly to System Mechanic in real-time
- More problems are found and resolved with the click of a button
- Power users now have more control and options

...plus countless more innovative enhancements exclusive to version 9!

New Features

Tune-up Definitions™

Update System Mechanic’s Tune-up Database with the latest Tune-up Definitions

As its users have come to know, System Mechanic® is radically different and significantly more effective (and safe) than other PC tune-up products. One primary reason is because it uses a constantly updated set of Tune-up Definitions from iolo Labs to understand the behavior and impact of the various settings, programs, and services on your PC. In contrast to the antiquated and dangerous one-size-fits-all approach used by other “utility” and “cleaner” type programs, System Mechanic leverages an ever-expanding body of knowledge to identify and repair specific problem areas unique to your PC’s specific configuration; much the way an antivirus program uses Virus Definitions to identify specific viruses on your PC.

Tune-up Definitions give System Mechanic the expert knowledge to precision-tune your PC using the latest up-to-date scientific research released from iolo Labs. The product literally gets smarter and more effective the longer you use it.

An active System Mechanic Service Plan gives you access to the constant flow of Tune-up Definition updates, automatically delivered to your desktop on a regular basis.

Technical explanation:

The body of ongoing research knowledge maintained by iolo Labs is translated into a regularly updated database that System Mechanic uses as a blueprint for identifying and resolving new problems and performance issues.

EnergyBooster™

Boost speed by turning off unused background programs

Give your PC an instant turbo boost by temporarily turning off non-essential background programs. Perfect for gamers, video and sound engineers, artists, web designers, stock traders, or any serious computer user who requires raw fast performance for demanding tasks, such as maximum game performance, rendering large videos, editing complex sound or art files, and so on.

Sometimes we need to temporarily raise our PC's speed to a level beyond that at which it normally performs by "shedding as much weight" as possible. We just want to get lean and free up as much resources as possible for awhile and allow a single program, such as a game or other type of resource-intensive software, to run at absolute maximum velocity.

EnergyBooster™ doesn't permanently alter the system configuration or uninstall any software (perhaps such software is used in other less mission-critical situations), it temporarily shuts down all unwanted, superfluous, and unnecessary programs and services in order to free up the memory and CPU resources they were using, and then allows you to automatically start these programs back up once you're done with the things that needed the extra power. Before EnergyBooster, something like this was a complex and dangerous process of hunting through process and service lists, guessing at which programs are non-essential, and hoping nothing went wrong as you force-terminated them. Once shut off, it was almost impossible to start them all back up, in many cases requiring a full Windows restart. With System Mechanic's new EnergyBooster tool, you can get into "game mode" with the click of a button, and then easily revert your system to standard mode with another click.

Technical explanation:

Frees up system memory and CPU resources to give Windows additional horsepower. Uses iolo Labs' Tune-up Definitions and user-defined profiles to identify background programs and services that can be temporarily shut down. Allows users to restart any program that was previously shut-down by EnergyBooster™.

Total Registry Revitalizer™

Repair, compact, defragment, and backup your Windows registry in one step

The Total Registry Revitalizer™ is a new addition to System Mechanic's collection of one-click Power Tools™. It provides complete and seamless all-in-one care for the Windows registry, performing the entire battery of critical repair, maintenance, and optimization procedures in one step.

Now, the following tasks are integrated into one easy-to-use wizard for the pinnacle of registry tuning:

- **Backs up the registry** to ensure maximum safety in the event of disaster or system crash
- **Finds and fixes registry problems** and orphaned data to eliminate errors, crashes, and freezes
- **Compacts the registry** to eliminate bloat, slowdowns, and wasted memory and drive space
- **Defragments the registry** to streamline and speed up program launch and Windows response times

Technical explanation:

Integrates all of System Mechanic's powerful registry tools into a single all-in-one tool. Functions include registry backup, registry repair and cleaning, registry compact, and registry defragmentation.

System Mechanic PC Health Status Gadget

System status meter Gadget for Windows 7 and Vista

Many users enjoy leveraging System Mechanic's patent-pending ActiveCare® technology that silently and automatically takes care of a PC during idle time when it isn't being used. However, they also enjoy checking in once in a while to ensure the PC is maintaining a clean bill as reported by System Mechanic's main system status gauge. The PC Health Gadget, new to version 9 provides the best of both worlds.

First, it gives you a real-time, at-a-glance report of your system health, security, and overall status, as well as drill-down access to all currently detected problems and warnings. Next, it provides you with a running feed of repairs and optimizations that were performed by System Mechanic, so it's easy to keep track of how your PC is being taken care of. Finally, it provides a quick and easy way to access many of the most commonly used functions in System Mechanic, such as Memory Mechanic®, the new EnergyBooster™ tool, and more.

Technical explanation:

A Sidebar Gadget for Windows 7 and Vista that provides real-time reports on system health, security, and overall status. Includes a running list of recently performed repairs and optimizations, and offers quick access to commonly used tools, such as Memory Mechanic® and the new EnergyBooster™.

Incinerator® for Recycle Bin

Permanently wipe files in the Windows Recycle Bin, so they can never be recovered.

As one of the most popular tools in System Mechanic, the Incinerator® works similarly to the ubiquitous Windows Recycle Bin, but as a separate desktop icon that provides US Department of Defense-compliant file shredding techniques. System Mechanic 9 now adds the ability to fully combine the separate desktop Incinerator's strength into the standard Windows Recycle Bin, thus offering you the ability to empty it (delete files) using low-grade Windows techniques or to *incinerate* using the military-grade techniques provided by iolo's Incinerator technology. The new Incinerator for Recycle Bin also allows you to keep your desktop clean by using one icon for two jobs.

Technical explanation:

Incinerator® technology can now be optionally integrated into the Windows Recycle Bin, providing both standard file deletion and a Department of Defense 5220-22M compliant technique for maximum security when deleting files.

Enhanced Features

Registry Tuner

Remove invalid data references with the safest and most effective registry repair tool on the market

The latest version of System Mechanic's powerful Registry Cleanup and Repair tool has been completely reengineered to scan and repair up to 30% faster, and new technological improvements have been shown to increase its problem detection rate by up to 500%.

Breakthrough research from iolo Labs has uncovered several previously unknown behavior patterns within Windows 7, Vista, and the latest XP service pack that can translate into significant registry corruption, causing freezes, loss of data, and mysterious error messages. These new problems and more are now detected and resolved with System Mechanic's vastly improved registry cleaning and repair tool, which also provides a greater depth of detail about each detected error.

iolo also draws on its 11 years of registry cleaning experience to further affirm its track record of safety and careful handling while working with this sensitive Windows component, and System Mechanic's proprietary SafetyNet™ system allows you to instantly roll back any actions performed.

System Mechanic 9 now proudly boasts the fastest, safest, and most effective registry cleanup and repair tool available today.

Technical explanation:

Based on extensive research from iolo Labs, System Mechanic 9's registry cleanup and repair technology has been dramatically improved:

- Up to 5 times higher problem detection rate compared to previous versions
- Improved overall speed and efficiency of scans
- Improved problem reporting provides more detailed scope of errors

Startup Optimizer™

Start Windows significantly faster by eliminating unneeded or malicious start up programs

System Mechanic's Startup Optimizer™ tool is one the most potent tools when chasing down ways to reduce the time it takes to start Windows and squeeze increased horsepower from your PC. It depends almost exclusively on Tune-up Definitions from iolo Labs to accurately analyze the array of currently configured startup programs, and then it safely divines the subset that can be removed from startup for added performance.

In preparation for System Mechanic 9, iolo Labs researched thousands of new programs (many exclusive to Windows 7 and Vista) that tend to lodge themselves into Windows startup. Plain-English descriptions were written about each program, and then they were tested to be either necessary, optional, unnecessary, or even dangerous.

Additionally, iolo Labs spent time researching Windows services, which are hidden programs that always run in the background and can silently leech memory and CPU resources. Many services are turned on by default as part of the standard Windows setup, even though they may be rarely or never used, or even inappropriate altogether for the particular system configuration.

The result of this research is a vastly updated program and service knowledgebase within the latest Tune-up Definitions that System Mechanic then uses to make its Startup Optimizer tool the most powerful version ever.

Technical explanation:

With expanded Tune-up Definitions that include thousands of new programs and services researched by iolo Labs, System Mechanic 9's Startup Optimizer tool optimizes Windows boot times like never before.

- New Windows services optimization
- Thousands of new programs researched by iolo Labs

Memory Mechanic®

Instantly defragments RAM and liberates resources being held captive by memory leaks

iolo has known for years that within just a few hours of use, system memory (RAM) can become just as fragmented as a hard drive that has undergone weeks or months of use. Just like how a fragmented hard drive causes severe performance decline and even system instability, disjointed memory can have the same effect. Worse, fragmentation of memory isn't the only thing users must deal with as programs are started, used, closed, and restarted on a busy PC. This type of normal daily activity exposes systems to what software technicians call "memory leaks", which occur when a program exclusively reserves memory for itself, but then forgets to release it after it is finished. Memory leaks can confuse the operating system, which is left in a state where it can't release the previously reserved resources, even though the original program no longer needs them.

It is common humor among software engineers that all programs have memory leaks, but that they are so small the user never notices. The flaw in this logic is that while perhaps one program's memory leak may go unnoticed, dozens or hundreds of programs all operating simultaneously can represent a truly devastating effect on performance as they quickly drain the PC's precious resources.

System Mechanic's Memory Defragmentation tool is designed not only to reassemble your RAM into neat, contiguous order for significant performance gains, but also to hunt down and release all of the resources that are being held captive by memory leaks within sloppy programs. As any computer expert will agree, more memory means faster performance, and Memory Mechanic® provides both.

Now in System Mechanic 9, Memory Mechanic has been reengineered to work up to 85% faster and to find and release up to 25% more memory leaks, resulting in even greater performance benefits than before. In addition, iolo Labs has discovered a new and improved technical approach to memory defragmentation that completely eliminates the short pause that users of prior versions experienced while the system rebuilt its memory allocation after the operation was complete.

Technical explanation:

Memory Mechanic® has been completely reengineered for all-around improvements in both speed and effectiveness.

- Memory defragmentation works up to 85% faster than before
- Up to 25% more memory is freed due to more effective memory leak detection
- The short pause that occurred after memory defragmentation in prior versions has been eliminated due to technology improvements

Privacy Cleaner™

Securely wipes away all traces of your personal and confidential computer activity

Many people don't realize that virtually everything you do on a PC is stored in an activity log or "trail of breadcrumbs" that can be read by anyone with basic and easily accessible tools – even months or years after the activity took place. This history of usage can tell anyone about the programs you use, the websites you visit, the songs and movies you play, the files you download, and even your online chat sessions.

System Mechanic's Privacy Cleaner™ enforces your personal privacy by eliminating the tracks that these programs leave behind. The latest version has been vastly enhanced to be more powerful and easier than ever. It is designed to safely and permanently whisk away all of the activity logs left behind as you use programs. If this information isn't cleared regularly, it contributes to system clutter and leaves a vivid trail of activity that can represent misunderstandings and even false accusations about how you have been using your PC.

New to System Mechanic 9 is the ability to utilize the product's proprietary Incinerator® technology for military-grade security when wiping away all traces of activity logs, so that even a professional forensics expert can never view or recover it.

The Privacy Cleaner also adds dozens of new programs to its growing list of cleanup targets, including:

All major browsers:

- Internet Explorer
- Firefox
- Google Chrome
- Safari
- Etc.

All major chat clients:

- AIM
- Yahoo
- MSN
- Skype
- Etc.

Technical explanation:

Activity log tracks left by dozens of new programs as you use them can be safely and securely wiped away by the improved Privacy Cleaner™ tool in System Mechanic 9, which now leverages military-grade Incinerator® data shredding technology. These traces can be optionally wiped permanently from the hard drive using the military grade Incinerator™.

Newly supported programs include:

- All major web browsers, such as Internet Explorer, Firefox, Google Chrome, Safari, and more
- All major online chat programs, such as AIM, Skype, Yahoo, MSN, and more
- All major web toolbars, such as Google, Yahoo, and more

Smarter Boot-time Tune-ups

You now have complete control over the vital boot-time tune-up processes

Some of the deep cleaning and repair operations that System Mechanic performs can only be carried out safely during PC startup, before Windows actually loads. For safety reasons, when these “boot-time” operations begin, most can’t be cancelled without causing potential harm to the system. Because of this, in earlier versions of System Mechanic it was possible to inadvertently enter a lengthy boot-time operation at an inopportune moment, such as when the PC was being powered on right before its user was about to begin a business presentation or other important task.

System Mechanic 9’s boot-time operations have been greatly refined to give you more control so you can avoid beginning these tasks at the wrong time. System Mechanic can now be configured to “black out” parts of the day so that no boot-time operations occur during times when it is important to be able to restart without any delays. It also provides a brief countdown and warning period where, at PC startup, any scheduled boot-time tasks can be performed or postponed.

Technical explanation:

System Mechanic 9’s boot-time operations now provide a series of intuitive prompts and options that offer you increased control in order to avoid inopportune delays while starting up the PC.

- You can set up black-out times during the day where no boot-time tasks will be performed
- New confirmations at PC startup give you the ability to run or postpone boot-time tasks at that time.

All-in-one PC Cleanup

One-click Power Tool™ now provides significantly faster scans and additional clutter removal for latest programs and versions of Windows

System clutter is one of the most insidious factors in Windows performance degradation. It builds up silently over time in the background from untidy programs, unclean computer restarts, and general everyday use. Clutter quietly lurks in the annals of the system, accumulating like a dangerous artery-hardening plaque that in a matter of hours can go from an easily ignorable virtual shortness of breath to an all-out system arrest as it chokes the life out of a PC.

Keeping system clutter under control is imperative to PC health. If not regularly cleaned, at the minimum, junk files can cause the computer to undergo superfluous and wasteful processing:

- Useless files are included when defragmenting your hard drives, adding to the time and processing power required
- The critical indexes Windows maintains to organize its files become bloated with meaningless junk, causing overall slowdowns in file and program access
- Hard drive space is unnecessarily reserved, leading to premature upgrade costs or replacements

Keeping up with the sources of clutter is a challenge. As the latest programs and Windows versions are released, new ways for data detritus to build up are rolled out, and tools that can’t keep up with technology become less effective.

iolo Labs has been studying the patterns of Windows clutter for nearly a decade and has made its latest research available via updated Tune-up Definitions, which greatly enhance System Mechanic’s critical PC

Cleanup Power Tool. With this release, all new sources of junk and obsolete files are able to be safely rounded up and routed out in just one click, keeping your PC breathing freely like the day it was made.

New clutter detection and removal in System Mechanic 9:

- Additional junk file patterns exclusive to Windows 7, Vista, and the latest XP service pack
- Emissions from all major web browsers are supported, such as Internet Explorer, Firefox, Google Chrome, Safari, Opera, and more
- Junk from all major online chat programs, such as AIM, Skype, Yahoo, Gmail/Google, MSN, and more
- Debris from all major web toolbars, such as Google, Yahoo, and more

Finally, iolo's engineering team has made significant strides in the speed at which junk file scans are performed, reducing the time required to perform even the deepest and most thorough searches for PC clutter.

Technical explanation:

System Mechanic 9's all-in-one PC Cleanup Power Tool has been greatly enhanced with additional junk file patterns, new ways of detecting and removing insidious system clutter, and improved scan speeds.

- Removes new file patterns exclusive to Windows 7, Vista, and the latest XP service pack supported
- Removes clutter from all major web browsers, such as Internet Explorer, Firefox, Google Chrome, Safari, Opera, and more
- Removes clutter from all major online chat programs, such as AIM, Skype, Yahoo, MSN, and more
- Removes clutter from all major web toolbars, such as Google, Yahoo, and more

System Mechanic 9 Summary

The most complete and effective PC Tune-up available

Smarter, faster, and deeper PC tune-ups make System Mechanic 9 more powerful than ever, giving your PC more speed and stability than any other product or service on the market.

iolo technologies is proud to introduce System Mechanic® 9, the most effective version yet of the #1 best selling PC tune-up product. With this new version, System Mechanic engineers worked hand in hand with iolo Labs to push PC performance to even greater limits.

Tune-up Definitions for System Mechanic 9 are vastly expanded with new updates coming out weekly. With the latest research from iolo Labs rolled into a knowledgebase that System Mechanic uses to analyze, identify, and execute problem repairs and performance optimizations, the product is now noticeably more effective.

Based on a series of breakthrough discoveries about previously unknown Windows 7, Vista, and XP behavior patterns, up to 500% more registry problems that cause system instability can now be detected. Thousands more unwanted performance-sapping startup programs and services can now be identified and removed. Dozens more privacy-violations can be cleaned from newly supported programs. You also have more control, greater detail, and improved clarity on all problems and tune-up operations.

With the release of version 9, System Mechanic firmly reaffirms its position as the #1 best-selling and most technologically advanced tune-up software on the market today.

List of New Features and Enhancements

New Tools and Features

Tune-up Definitions™

The body of ongoing research knowledge maintained by iolo Labs is translated into a regularly updated database that System Mechanic uses as a blueprint for identifying and resolving new problems and performance issues.

EnergyBooster™

Frees up system memory and CPU resources to give Windows additional horsepower. Uses iolo Labs' Tune-up Definitions and user-defined profiles to identify background programs and services that can be temporarily shut down. Allows users to restart any program that was previously shut-down by EnergyBooster.

Total Registry Revitalizer™

Integrates all of System Mechanic's powerful registry tools into a single all-in-one tool. Functions include registry backup, registry repair and cleaning, registry compact, and registry defragmentation.

PC Health Status Gadget

A Sidebar Gadget for Windows 7 and Vista that provides real-time reports on system health, security, and overall status. Includes a running list of recently performed repairs and optimizations, and offers quick access to commonly used tools, such as Memory Mechanic™ and the new EnergyBooster™

Incinerator® for Recycle Bin

Incinerator® technology can now be optionally integrated into the Windows Recycle Bin, providing both standard file deletion and a Department of Defense 5220-22M compliant technique for maximum security when deleting files.

Enhanced Features

Registry Tuner

Based on extensive research from iolo Labs, System Mechanic 9's registry cleanup and repair technology has been dramatically improved:

- Up to 5 times higher problem-detection rate compared to previous versions
- Improved overall speed and efficiency of scans
- Improved problem reporting provides more detailed scope of errors

Startup Optimizer™

With expanded Tune-up Definitions that include thousands of new programs and services researched by iolo Labs, System Mechanic 9's Startup Optimizer tool optimizes Windows boot times like never before.

- New Windows services optimization
- Thousands of new programs researched by iolo Labs

Memory Mechanic®

Memory Mechanic has been completely reengineered for all-around improvements in both speed and effectiveness.

- Memory defragmentation works up to 85% faster than before
- Up to 25% more memory is freed due to more effective memory leak detection
- The short pause that occurred after memory defragmentation in prior versions has been eliminated due to technology improvements

Privacy Cleaner™

Activity log tracks left by dozens of new programs as you use them can be securely cleaned away by the improved Privacy Cleaner™ tool in System Mechanic 9, which now employs military-grade Incinerator® shredding techniques. Newly supported programs include:

- All major web browsers, such as Internet Explorer, Firefox, Chrome, and more
- All major online chat programs, such as AIM, Yahoo, MSN, and more
- All major web toolbars, such as Google, Yahoo, and more

All-in-One PC Cleanup

System Mechanic 9's all-in-one PC Cleanup Power Tool™ has been greatly enhanced with additional junk file patterns, new ways of detecting and removing insidious system clutter, and improved scan speeds.

- Removes new file patterns exclusive to Windows 7, Vista, and the latest XP service pack supported
- Removes clutter from all major web browsers, such as Internet Explorer, Firefox, Google Chrome, Safari, Opera, and more
- Removes clutter from all major online chat programs, such as AIM, Skype, Yahoo, MSN, and more
- Removes clutter from all major web toolbars, such as Google, Yahoo, and more

Smarter Boot-Time Tune-ups

All of System Mechanic 9's boot-time operations come with a series of prompts and options that offer you increased control in order to avoid inopportune delays while starting up the PC.

- You can set up black-out times during the day where no boot-time tasks will be performed
- New prompts at PC shutdown and startup give you the ability to run or postpone boot-time tasks at that time.

Over 40 Tools *PLUS* Tune-up Definitions™

New System Mechanic® 9 is like having both the best PC Tune-up tool set and the smartest team of PC experts working together inside your PC. With new Tune-up Definitions, you get the best product on the market and a direct connection to the experts who know how to use it -- in the same package.

Not only have System Mechanic's automated tune-up tools been upgraded in version 9, now they are even more "fully informed" with Tune-up Definitions, the latest expert knowledge updates from iolo Labs, iolo technologies' research arm.

With Tune-up Definitions, System Mechanic constantly gains knowledge about which specific programs, services, known bloatware, software updates, startup applications, or other system changes are slowing down or destabilizing your PC. Tune-up Definitions keep the master Tune-up Database on your PC up-to-date to give System Mechanic access to up-to-the-minute custom repairs and optimizations recommended by technicians at iolo Labs. Now, you can boost your PC's performance even further than has ever been possible and keep it "precision tuned" forever, automatically.

Complete All-in-one Tune-up

Light years beyond single-tool solutions such as "cleaners" or one-size-fits-all "utilities", award-winning System Mechanic has been ranked the most effective and safest PC tune-up software by leading computer magazines, newspapers, radio, and TV tech shows. No other tune-up program or service has been lab-tested to make your PC boot faster, respond quicker, perform smoother, and run as error-free as much as System Mechanic has.

System Mechanic 9 by the Numbers

22,738,029	9,649	2001	571	44	#1
Number of people using System Mechanic since its original release.	Unique entries in the Tune-up Definitions database (as of July 2009)	Year iolo Labs was founded to research PC performance issues	Observed percent increase in registry problem detection in version 9 vs. prior	Number of separately integrated tools in System Mechanic	Consistent PC tune-up sales ranking for System Mechanic starting in 2006

System Mechanic 9: Make your PC run like the day it was born



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