



MemDefrag 2



Memory Optimizer for windows

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What is?



MemDefrag 2



Memory Optimizer for Windows

Thanks for choosing our MemDefrag !

With MemDefrag, you will optimize your RAM memory to reach the top of its usage, defragmenting the RAM memory in real time and permitting that the programs use all of the memory on disposal in your computer. When using MemDefrag, you will notice that you will have more free memory in your for your programs running under windows. With MemDefrag you will decrease the heating of your processor, enlonging its lifetime, as well as diminishing energy consumption.

You will be able to control the usage of the Cache Memory of your Hard Disk, obtaining in this way a better opmitized configuration for the type of program you are used to execute in your computer.

This is a Shareware version and it can be tested for 30 days, with it you can experiment all MemDefrag functions.

[{button Press here to get more information about registration,JI\(>Main',`Registrar'\)}](#)

How can I register it?

Visit our homepage in the internet !!!

Official Website:

<http://www.mcgsoftwares.com>

Backup Address:

<http://mcgsoft.tripod.com>

Direct link to registration form:

<http://www.siliconaction.com/english/register/descutil.mv?mdefrag+dolar>

Visit our website to get more information on how to have our software registered.

That's where you will get new versions and you can see other MCG products...

Register MemDefrag - it is cheap and you will be able to freely update it !!!

Our softwares are always being updated with new functions and improvements. Registering it you will guarantee free updatings for the new versions that begin with the same digit of your version !!!

Memdefrag Benefits

MemDefrag is a last generation program that defragments under Windows the RAM memory of your computer . It is highly acquainted with windows, with low CPU usage.

Benefits of MemDefrag usage:

◆ Defragmenting RAM memory

MemDefrag defragments the RAM memory, optimizing the layout of your virtual memory to make it more closely matched to the layout of your physical memory, making it perfectly possible that your Windows uses the best of the memory on disposal.

◆ Improving the free RAM Memory to execute applications

Defragmenting RAM memory in windows, you enlarge free memory for applications and better the performance of it and decrease the access frequency to the swap file from Windows.

◆ Reducing the mistakes caused by the Applications

There are programs that, when they require memory, cause GPF (General Protection Faults) errors, because they do not find sufficient physical RAM to run. With the optimization of the memory performed by MemDefrag you can diminish the quantity of errors due to the lack of physical memory.

◆ Enlargement of the useful life of the processor by diminishing its heat

Using the MemDefrag will enable you to activate the function of optimizing the usage of the processor, which is very useful to reduce the heating of the processor and enlarging its useful life. In notebooks, besides these benefits, you will reduce the consumption of energy prolonging the battery time.

◆ Smart usage of the Hard Disk Cache

You will be able to choose the most optimized Windows configuration to work your hard disk, to better attend the type of application you are used to execute in your computer (games, cd-rom recorder, server, etc ...)

How can I use MemDefrag?

MemDefrag can be started by three different ways:

- ◆ **By the user's action.**

The user sets the MemDefrag to be activated by CTRL+ALT+M, and every time this key combination is pressed, MemDefrag executes the memory optimization.

- ◆ **When a critical free RAM memory is achieved**

The user configures the MemDefrag to defragment automatically the RAM memory in case it comes to a minimum limit of free RAM memory (critical level) .

- ◆ **By Timer.**

MemDefrag being with its icon active in the tasks bar, it will be started within determined periods of time defined by the user and it will defragment the RAM memory (for instance : defragment every 90 minutes)

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Figuring out the MemDefrag options

Figuring the RAM memory target and its critical level

MemDefrag automatically adjusts the quantity of RAM memory to be achieved in the defragmentation process, being sufficient that you set the critical level of free RAM memory that will start the automatic defragmentation function.

For a computer with RAM memory below to 64 megabytes, we advice to establish a critical level equal to 1 ou 2 megabytes, for machines with more than 64 megabytes (64,128,256) We advice using a rate of 4, 6 and 8 megabytes respectively.

In case you want to figure the target RAM memory, ignoring the inicial suggestion, the MemDefrag figures it out for you. You will have to follow the following way of thinking: use the aimed RAM memory value being 2/3 to 1/3 of the RAM memory of your computer.

Additional Configurations.

◆ Level of monitoring.

Inform which MemDefrag frequency of monitoring (low, normal, fast or very fast). This can be useful when you wish to see the loading of an application and see the updating of the graphic the RAM memory requisition with a more intensive frequency.

◆ When you start Windows.

Load MemDefrag automatically.

Leave this option checked if you wish MemDefrag to be loaded automatically every time windows is started (standard option)

Executes Self-optimization of RAM Memory after CPU being out of usage.

Let this option checked if you wish that each time MemDefrag is charged to the memory, it realizes an optimization when it is started. If the option " Load automatically " is checked, the MemDefrag, after the Windows is loaded, it will await CPU to be out of usage and it will make the optimization of RAM memory. This is very useful to free the maximum of RAM memory after Windows is loaded.

◆ Function of Self-optimization of RAM memory.

It is executed automatically if the memory achieves a critical level.

Let this option checked so that MemDefrag monitors your RAM memory. In case the memory achieves the minimum level of free RAM memory (Critical Level), MemDefrag starts and executes a defragmentation of RAM memory and will try to free the quantity of RAM memory you required (aimed RAM memory)

Self-optimization only if the usage of the CPU is up to 25% (or other informed value)

Let this option checked if you wish to avoid MemDefrag to fulfill a self-optimization, when the CPU is being largely used. (for example, when a diskett is being formatted or a CD-ROM is being recorded).

Executes automatically every 90 minutes (or other value informed)

Let this option checked if you wish MemDefrag executes the RAM memory optimization every interval of informed time (e.g.: execute the defragmentation every 90 minutes).

Displays the progress bar in full screen

Let this option checked if you wish to see the progress bar of defragmentation in full screen, every time the RAM defragmentation is done.

◆ **Anti-Crash (only necessary for Win9x systems)**

Warn if System Resources lower than 15% (or other informed value)

If your system resources are low, it will warn you before windows could become unstable. Close some applications to free your System resources and Save your work.

◆ **Shortcut key**

Use this shortcut key to RAM optimization

Check here if you want MemDefrag to perform the optimization every time the user does a key combination. The user may choose any combination of keys he wants to enable this function.

CPU (Processor).

Optimize the Usage of CPU(s) (diminishes its heating)

Check here if you want MemDefrag to enable the function to optimize the usage of your CPU through Windows. This function enlarges the useful life of the processor, diminishes its heating and energy consumption.

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Fine adjustment

Use the fine adjustment from MemDefrag, to obtain a better optimization of your Windows. You can raise the speed and the performance of your Windows and the programs you use in it.

Enlarging the performance of access to DMA

- **Adjust the velocity of access to DMA.**

Adjusting this value you will manage to increase the performance of your system. It affects ALL I/O (Input/Output) DMA operations: sound card FM/wavetable, MIDI playback/recording, disk buffered reads/writes.

Recommendation: adjust to the highest value allowed.

(**) Inform the value desired moving the mouse to the value bar. (If you inform the least value allowed this option will not be controlled and the Windows padron configuration will prevail).

Enlarging the performance of asynchronous I/O buffer data

- **Adjusts buffer to I/O asynchronous data.**

Adjusting this option you will manage to increase the performance of your Windows if you are using a 32 bit access to the temporary file. In general all programs that executed in the Windows, will improve when you activate this option.

Recommendation: adjust to the highest value allowed.

(**) Inform the value desired moving the mouse to the value bar. (If you inform the least value allowed this option will not be controlled and the Windows padron configuration will prevail).

It forces the usage of RAM memory

Forces the usage of RAM memory instead of the SWAP memory.

Activate this option only if you have a 64 mb or more memory. When activating this option, you will inform your Windows that it shall use RAM memory first (which is quick) instead of using the slower hard disk virtual memory (swap file). This option can highly increase the performance of most of your programs.

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Windows Cache

Windows has a system of disk Cache, this means that it stores a part of the content of its disk in the RAM memory, avoiding that Windows needs to read repeatedly your disk, which might cause a greater overusage of the disk as well as the diminishing of the performance of its application.

With MemDefrag, you will optimize this usage, informing Windows how it should treat the Cache.

- **The optimization of the Cache by MemDefrag will not work out in NT/2000/XP, because it has a different system of cache, which is already optimized.**

How to start monitoring Cache by MemDefrag.

It makes MemDefrag control the hard disk Cache.

Let this option checked so that you can inform MemDefrag and it will be able to control the hard disk Cache. After letting this option checked, MemDefrag will enable you to the options bellow so that you can make an exclusive configuration.

Parameters of Cache Configuration.

• **Minimum size of the Cache.**

It assures which minimum quantity of memory shall be reserved for the file Cache. This can mean a severe improvement in the performance in applications or games that require great quantity of memory, using itself all RAM memory on disposal.

Recommendation: 1/16 of total of all RAM memory.

(**)Inform the wished value, moving with the mouse the value bar. (if the value is equal to zero, this option will not be controlled and it will prevail the padron configuration of the Windows).

• **Maximum size of the Cache.**

It assures which maximum quantity of memory shall be reserved for the file Cache. If you put a small value, you will prevent an application to use all the free RAM memory, but if the value is too low, it can diminish the performance of access to your disk.

Recommendation: if you have up to 32 megabytes, leave it in ZERO, if you have more memory than that, experiment to set it to 1/4 of your total RAM memory.

(**)Inform the value desired by moving with the mouse the value bar. (if the value is equal to Zero, this option will not be controlled and it will privilege the standard Windows configuration)

• **Size of the Cache block.**

It attributes the size in bytes of the Cache block. We presently recommend a larger value for the cache block, for the newer machines have more RAM memory. The advisable value for the newest machines is 8192 bytes, which can increase sensibly the value of access. For older machines we recommend the value of 512 or 1024.

Recommendation: Large values usually have a good result, the ideal value depends of the disk geometry, but a higher value normally has a good result. Advisable value 8192.

(**)Inform the desired value by moving the bar of value with the mouse. (if the value is equal to Zero, this option will not be controlled and it will privilege the standard Windows configuration)

Activating the cache from the removable disk units.

It makes available the units of the remavable disk cache.

Let this option checked to permit MemDefrag to controll the cache in the units of removable disk. This will increase the performace of your system in case you have any drive of removable disk, as for example: ZipDrive, JazzDrive , etc...

Recomendation: Let this option active.

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