

MacTuneUp

multipurpose system utility for Mac OS X



QuickReference Guide



MacTuneUp™ Quick Reference

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PRODUCT REGISTRATION

Registering MacTuneUp™ is important. Registration provides you with timely access to the latest product updates, technical support, valuable information about new product releases, articles, tips and hints, and special offers on other products by Macware, Inc.

You can register MacTuneUp online at:

www.macXware.com/Register.asp

GETTING STARTED

Thank you for purchasing MacTuneUp, an all-purpose utility to keep you Mac working like new.

To get started with MacTuneUp, follow these steps:

1. Drag the MacTuneUp application into your computer's Applications folder
2. Double-click the MacTuneUp application to launch it

Administrator Privileges

In order to use all MacTuneUp features, administrator privileges are required. If you use a feature that needs admin privileges, an authentication dialog will ask you for your administrator password. The first user you created when setting up Mac OS X has administrator privileges by default.

Updates

Please make sure you are running the latest version of MacTuneUp. Choose "Update..." from the application menu, or select the MacTuneUp Preference "Check for updates on launch" if you have a static internet connection.

Scanning System Information

Generally MacTuneUp loads the respective system information and settings after clicking a toolbar icon. Re-click the toolbar item to refresh the gathered information.

Read Before Using

Please read these rules to make sure you are using MacTuneUp properly.

1. Make sure you read all dialogs carefully.
2. Do not cancel required restart actions.
3. Do not force quit MacTuneUp when running major tasks.
4. Make sure you do not delete important system files using X-Trash.
5. Make sure you do not block your system with improper firewall rules.
6. Quit all other applications when doing major maintenance.
7. Read the Help file before trying an unknown feature.
8. Make sure you are running the latest version of MacTuneUp.

A few MacTuneUp features are considered major processes. These require a heavy percentage of your system resources, so overall system performance will decrease while running these. Therefore, MacTuneUp only allows you to run a single major process at any given time. While running a major process, MacTuneUp cannot be closed. Major processes include the maintenance pilot, trash, and the backup functions.

USING MACTUNEUP

When MacTuneUp opens the main toolbar will appear.



Clicking on an icon will expand the toolbar to give you the available options related to the icon description.

Settings

Settings give you instant control over many features that are included with your Mac, but may seem less accessible to you. These settings help you to tailor the Mac experience and look to your preferences.

Using this feature, you can adjust the settings for:

Finder	System Animations	Dock
Exposé	Dashboard	Screen Capture
Permissions	Scroll Arrows	Crash Reporting
Login	Startup Mode	Memory
File System Journaling	Disk Spindown	Safari
Disk Utility	DVD Player	Address Book

Maintenance

Your Mac is a maintenance powerhouse that can keep itself running great if you allow it to. To keep it running like new, make sure you continue to run maintenance, clean your machine regularly, reset settings if problems occur, and securely trash anything clogging your computer. *Many maintenance operations will require you to restart your computer after completion in order to fully take effect.*

The Maintenance Pilot

There are three Mac OS X internal maintain scripts which help to keep your system clean and running fast, and also get rid of old log and junk files. It is recommended to run "All" maintain script at least once a month.

Repairing disk permissions may solve several problems and increases system performance and security. It is recommended to repair permissions preventively once per month. Repairing disk permissions can only be executed on system volumes.

You can also force your Mac to optimize its performance, which ensures short application launch times.

Clean Up System Clutter

Clean your log, browser and application caches to free up space on your Mac and improve performance. Make sure you quit (close) your browsers and applications prior to cleaning them.

Reset Settings

Resetting your file type settings helps restore quicker launch times for applications by removing their .plist files and launch caches. This is essentially like starting your applications for the first time.

You can also remove folder settings that clear comments, icon positions, modification dates, and other settings. This resets the information to start fresh.

Shred Your Trash

You can delete all Trash folders with “administrator privileges” on a chosen volume. This can be used if there are undeletable files in the trash that cannot be removed by using the Finder's "Empty Trash" function. Files and folders can also be deleted using this method.

The "Shredder" option overwrites regular files before deleting their directory entry, making the files unrecoverable from common “undelete” and “recover” software. Once you shred a file, you cannot get it back.

Optimization

Using Optimization, you can “optimize” (maximize) your network settings for a broadband Internet connection.

If you use a standard internet connection, choose "Automatically" and define a preset (Modem / ISDN, Cable / DSL, Satellite). If you have a special internet configuration, choose "Manually" and define custom settings.

Before you run optimization, make sure your modem supports optimization software; some modem manufacturers do not support this feature and can cause you to lose connection.

For heavy system use, you can optimize your virtual memory in order to handle more on your Mac without overloading your system resources. Virtual memory is space on your hard drive that it is used as RAM. Like built-in RAM, having more virtual memory allows your Mac to open more (and larger) programs and files, but it is not as fast as built-in RAM. Read the Help file for more information on how to increase your virtual memory.

Sharing

Control your installed server settings from MacTuneUp. Define access for personal file sharing, personal web sharing, access ports, and more.

You can also create new Share Points (additional shared directories) anywhere on your local volumes.

Using a Firewall

Install a custom firewall or simply enhance the current Apple Firewall to add a stronger layer of protection on incoming and outgoing information.

You can define "deny" and "out" rules, and enable the ipfw (IP firewall) log function. Since both the Apple firewall and the MacTuneUp firewall, use "ipfw", which is the standard software firewall of Unix based systems, they work together perfectly. So you are able to use the standard ipfw rules from Apple, and add specific rules in order to log network access or define deny-rules for certain ports or IPs.

Use the "Info" button to get examples for complete firewall rule sets, information about port numbers, services and protocols, and to read the system integrated IPFW manual.

Although firewalls can offer strong protection, they can also put your Mac in an unusable state if not configured correctly. Use caution in applying new rules.

Backup

Creating a bootable clone of your system is a great way to recover your Mac to that state if a serious problem occurs. In many cases, you will need multiple CDs or DVDs if you have a great deal of applications and data stored on your computer (a CD or DVD writer is required to burn your backup to a CD or DVD).

Disk Cloning

Please follow these steps for creating a bootable clone of a system volume. It's recommended to do your first backup step by step, as described below.

1. Volume Check: Locate the backup (destination) volume in the Finder and choose "Get Info" from the File menu (or press Command + i). Then the information window should open, where we can review the following:

- a. General: Format: Should be a “Mac OS Extended” or “UFS” format. If not, use the natively installed “Disk Utility” to reformat your backup volume to a “Mac OS Extended” format.
 - b. General: Available: Here the available size should be at least 300 MB higher than the source data size. (Open the Finder information window for the source volume to check this.)
 - c. Ownership & Permissions: Here the “Ignore ownership on this volume” option should NOT be activated.
2. Volume Preparing: To ensure a working system clone, it’s recommended to repair the disk permissions on the source system.
- a. Open MacTuneUp and click the Maintenance toolbar icon, then select the Maintenance Pilot tab.
 - b. Check the “Repair Permissions” button, select your source volume from the list, then start the Maintenance Pilot (Disk permissions can also be repaired using the “Disk Utility”).
3. Process Preparing: Now it’s time to prepare the cloning process in MacTuneUp. Launch MacTuneUp, click the Backup toolbar item and check that the “Disk Cloning” tab is selected.
- a. Disks: Select the desired source and destination disk.
 - b. Check disk space: This option checks the source data size and the available disk space on the destination volume, and calculates an estimated process duration. The size calculation might take up to 15 minutes. If you know that there is enough space on the destination disk, it is recommended to deactivate this option.
 - c. Optimize backup: Choose whether the backup should get optimized (System components will get copied first, and therefore will be copied to the physically fastest location on the hard disk).
 - d. Make bootable: If you want the clone to be bootable, make sure this option is checked.
 - e. Detailed log: Choose whether the backup log should list every copied file (if activated the backup process takes longer).
 - f. Shut Down after...: Choose whether the computer should shut down after the backup process.
 - g. Replace / Update existing data: Choose whether existing files and folders on the destination volume should be replaced anyway or only updated if the source data has been modified since the last backup. If you are doing your first backup, neither of these options should be activated.
 - h. Copy item list: Here you can exclude files or folders from the backup process. If you have files or folders on the first level of your source disk, which you don’t want to copy to the destination disk, select the item and click the “Remove” button. **IMPORTANT:** If you want the backup to be bootable, the following files and folders must remain in the copy item list: System, Library, bin, sbin, private, mach_kernel, usr

4. Starting the backup process:
 - a. Click the “Start” button (and wait for the time indication dialog, if the “Check disk space” option is activated).
 - b. Enter your administrator password.
 - c. DONE! The backup process starts and can be observed by reviewing the backup log.

When the backup process is complete, you will hear a “done sound” and the backup progress bar will stop (hide). Be aware that backup process might last hours, depending on the amount of the source data.

If you stop the process before complete, the backup on the destination disk will not be usable and therefore should be removed immediately.

Software Restore

This is an instruction for creating a disk image of a system volume for the ASR (Apple Software Restore) software (available in Apples “Disk Utility”). It is recommended to follow these step by step instructions the first time you create a software restore.

1. Space Check: The available space size on the destination volume must be twice the size of the source data. So if the backup source has a size of 10 GB, the destination volume must provide at least 20 GB.
2. Volume Preparing: It is recommended to repair the disk permissions on the source system before starting the backup process.
 - a. Open MacTuneUp and click the Maintenance toolbar icon, then select the Maintenance Pilot tab.
 - b. Check the “Repair Permissions” button, select your source volume from the list, then start the Maintenance Pilot (Disk permissions can also be repaired using the “Disk Utility”).
3. Process Preparing: Now we prepare the image creation process in MacTuneUp. So launch MacTuneUp, click the Backup toolbar item and check that the “Software Restore” tab is selected.
 - a. Disks: Select the desired source and destination disk.
 - b. Check disk space: This option checks the source data size and the available disk space on the destination volume, and calculates an estimated process duration. The size calculation might take up to 15 minutes. If you know that there is enough space on the destination disk, it is recommended to deactivate this option.
 - c. Reset Apple Setup Assistant: This resets the setup assistant, so that it runs automatically, when the restored system gets launched the first time.

- d. Remove Users: This removes all user registrations from the restore image (not the standard User folder, but the user registry in the NetInfo-Database).
 - e. Shut Down after...: Choose whether the computer should shut down after the backup process.
 - f. Copy item list: Here you can exclude files or folders from the backup process. If you have files or folders on the first level of your source disk, which you don't want to copy to the destination disk, select the item and click the "Remove" button. IMPORTANT: The following files and folders should remain in the copy item list: System, Library, bin, sbin, private, mach_kernel, usr
4. Starting the backup process:
- a. Click the "Start" button (and wait for the time indication dialog, if the "Check disk space" option is activated).
 - b. Enter your administrator password.
 - c. DONE! The backup process starts and can be observed by reviewing the backup log.

When the backup process is complete, you will hear a "done sound" and the backup progress bar will stop (hide). The newly created disk image will now appear in the Finder. Be aware that backup process might last hours, depending on the amount of the source data.

Browser

With the MacTuneUp Browser you are able to browse ALL files and folders on your system volumes. It shows all hidden files and folders (same as turning on "Show hidden files and folders" in the MacTuneUp Finder settings). The browser ignores any localized names and always displays the real name of each file.

From here you can open any folder, launch applications, or open files dependent on a default application. You can also add the selected item(s) to "File-Trash" in the Maintenance section, but please note that this can allow you to trash critical system components or another user's home folder.

Unix

At the core of your Mac OS X is a UNIX-based operating system that works hard to keep your computer from crashing and compromised by security risks.

MacTuneUp allows advanced users to format and display system integrated UNIX manual pages.

Info

Looking for some quick information on your Mac? MacTuneUp can give you an instant snapshot of your installed Mac hardware, operating system software, memory, and networks and network settings. You can also view current shortcut commands and common error code descriptions to make your Mac more familiar to you while increasing the amount of work you can do in a shorter amount of time.

GETTING TECHNICAL SUPPORT

Purchasing MacTuneUp gives you free access to Macware's online technical support located at:

<http://support.summitsoftcorp.com/>

Email Technical Support: support@macXware.com

You can find additional help topics by going to **Help | MacTuneUp Help** in the program menu.

www.macXware.com