

Windows Registry Clean up

A Guide to Cleaning the Windows Registry for Vista, XP, 2000 and Windows 98

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Disclaimer- I take no responsibility for what my instructions will do to your computer or operating system. Follow my instructions carefully and at your own risk.

Preface

Warning this book is not for novice users. If at any time you are having trouble following my instructions.

If you are uncomfortable consider downloading [Windows Registry repair](#) to repair your registry

Who should read this book?

...Anyone who would like to learn how to use the Windows Registry Editor to fix issues with their operating system quickly and safely. And for those who wants to learn how to use registry repair tools to clean and maintain their Windows Registry. I am going to skip wordy technical explanations. My tutorials will be short, direct and to the point yet very specific and easy to understand. Make sure to read my instructions carefully but more importantly take your time. Learning [how to speed up your computer](#) takes time to master so be patient with yourself. Remember! Always create a restore point and export a copy of your registry before you begin. With that said I really hope that after reading this tutorial you will have the basics building blocks needed to clean and maintain your Windows Registry.

Table of Contents

Chapter 1: Creating a Restore Point and Exporting Your Registry

Chapter 2: How to eliminate start up items

Chapter 3: How to delete unneeded Registry keys old programs leave behind

Chapter 4: [Windows Repair Software](#)-Maintaining your Windows Registry has never been easier

Chapter 5: Registry Hacks- Tips and tricks to customize your Registry

Chapter 1

Creating a system restore point and Exporting your Windows XP/Vista Registry

It is very important to remember to always export a copy of your Windows Registry and create a restore point before making any attempts to edit your Registry.

Step 1: **Windows Vista Users-** Creating a System Restore Point

Right Click on my computer and select Properties

Click on **System Protection** on the tasks menu

You should see a Window with your hard drive/s in it. Your C: should be already checked.

Click on the **Create Button**

Name your restore point appropriately by date

Now Click on the **Create Button**

A conformation screen should appear when your restore point is completed

Windows XP Users- Creating a System Restore Point

The best way is to find **help and support** in your start menu and type: **system restore wizard**

Find and run the **system restore wizard** under run tasks

From here it's the same process as Vista

Step 2: **Exporting your Windows Registry** (all versions)

Follow these steps for every version of Windows

Click start then run (search in Vista)

Type in **regedit**

Now select file then **export**

Name your file appropriately and save

Now you have a **system restore point** as well as a copy of your registry.

If for some reason you delete or edit the wrong key you can simply repeat the exporting process and of course select import. In case importing the registry file doesn't work you can always revert

to the system restore point.

Chapter 2

Removing start-up items from your Windows Registry

Don't forget to create a **system restore point** and **export a copy of your registry**. See chapter 1

for help.

Note: *The process of removing start-up programs in your registry is the same in every version of Windows.*

Step 1: open the registry editor

Click start then run (search in Vista) then type in regedit

Step2: Deleting the keys in run the folder

A Quick note on the Registry

Now don't let yourself get intimidated here. The registry is a huge directory so it can be easy to get lost but at the same time it's well organized. On the Left is the directory structure which in most cases is broken up into 5 folders called hive keys. There are some folders that could be open

so if this is the case scroll up to the top and close the open folder. Now the only Hive we care about is hkey_local_machine. Lets go ahead and highlight this key. Now on the Right hand side are the values for this particular key. It is this pane we will be making our changes. With this in mind let's get started

Let's start with opening hkey_local_machine by clicking the plus sign or triangle. You should see several folders drop down. We are looking for the **software key**. Locate the software key and open it. Now you will see a huge list of folders drop down. Instead of scrolling through these various folders we are going to click on the very first one and type in M. This will get you pretty close to the **Microsoft key** which will be the next key we need to open. Next using the same technique type in W and find **Windows**. Make sure you click on a key in that folder. Open the Windows key and find **current version**. After opening current version find and highlight **run**. Very important to make sure you are in the right key because at this point we are going to start making some changes. Look at the contents of the right pane. It shows a column for name, type, and data. If you need to expand the name column click on the divider and hold while pull it to the right. As far as deleting these keys here my take. If you're not sure don't do it. In all reality you can't hurt yourself here but you may want to keep programs such as Virus protections, firewall, and other vital software running so choose carefully. Most of the time there is quite a bit of junk you don't need in here so cleaning this key out most always significantly boosts your performance. Once you are done just close the registry editor. Your changes will take place once the system reboots.

Chapter 3

How to delete unneeded Registry keys old programs leave behind

All programs you install modify your registry in some way. Unfortunately most programs don't fully clean up after themselves when you uninstall them. This causes your registry to get bigger which in turn makes your system run slower. It's rare but some applications will not even remove themselves from your programs list. I want to start this chapter out by showing you a cool trick that will wipe old entries in your add remove programs list for good.

First off export a copy of your registry

Before I start..... I want to teach you how to search through your registry. In the registry editor highlight computer. Select the edit menu option then find. Type in Microsoft and press find next. You should see a value highlighted. Go ahead and press f3 on your keyboard. Notice how it found another Microsoft value? The function 3 button will keep repeating the search until it is completely through your registry.

This is why it is very important to have the computer key highlighted when you search otherwise your search maybe confined to one hive key.

Ok...Lets get rid of those old entries in add/remove programs

Find the key

hkey_local_machine\software\microsoft\windows\currentversion\uninstall

You will see a list of hexadecimal values. Now double check to make sure uninstall is highlighted

and Search for the program you want to remove. It is very important that you **do not delete the**

folder just its contents. After a reboot that entry will be gone.

You are starting to learn what a powerful tool the registry editor is. I am sure you want to learn some more cool tricks but I want to hold off on that for now. I will be addressing this issue in

Chapter 5 Registry Hacks

I recommend doing an inventory of applications and programs you use. Uninstall all programs you aren't using and reboot. Once that is complete pull up your list of installed applications and make sure they are all gone? Use the above hack to get those programs off the list.

Next step is to scan the registry for keys related to these applications you recognize and you know

you don't use. Start by highlighting the computer icon and keep pressing f3 while deleting all references to the program. Do this for all your uninstalled programs. This will decrease the size of

your registry and as a result your computer will run faster. I sure by now you're starting to realize

how tedious this process is. Personally I let a registry cleaner program do all the dirty work for me. I own Regcure so I can say with confidence that it gets the job done. But I have heard goods things about Regcure and Registry Mechanic. Actually this is a perfect time to learning about these registry cleaners and how they work.

Chapter 4

Registry Repair Tools

Repairing and maintaining your Windows Registry has never been easier.

Being a computer technician I find a Registry Repair tool invaluable. For the most part they are quick, thorough and eliminate the possibility of human error. Editing the registry is a tedious task that I would gladly hand over to the right tool. I have heard great things about Registry Mechanic and Regcure. My colleagues have said wonderful things about these tools but I am the type of person who can't recommend anything I wouldn't use myself. So with that said let me shed a little light on how I approach Registry repair and system optimization as a professional. First off by the time I get a computer it is in bad shape mainly because the repair shop is always the last ditch effort before the system goes into the garbage. So I usually have my work cut out for me. After I have eliminated any viruses or spy-ware I like to use my registry repair tool to clean the registry. Regcure with eliminate all invalid keys and registry errors for me. One other thing I like is it removes junk files like cookies and temp files. This is a big plus for the less tech savvy folk. After that I like to use the Internet Explorer tool to restore Internet Explorer. This gets rid of even more junk. Next I run the system optimizer, internet optimizer and memory tweak. I always

like to check the run key in the registry for unnecessary start up programs. I covered this earlier in chapter 2. For Windows 2000 and up I like to check the services icon in the control panel for unneeded services. 9 times out of 10 I am able to save the Windows installation. Regcure's [Windows repair tool](#) is great and will automate this process.

Chapter 5

Registry Hacks- Tips and tricks to customize your Registry

Not it's time to have a little fun. I going to throw in some cool little hacks for Windows XP and Vista

Hacks For XP and Vista-not all may work on Vista

Please back up your registry before attempting these

(1)Renaming you're my computer icon

Hkey_classes_root\csid\20D04FE0-3AEA-1069-A2D8-08002B30309

Rename localizedstring value localizedstring.old

Right click and choose create expandable string value

Value data= %Your Windows USERNAME% on %The NAME you want%

Effective after reboot

(2)Listing Your Favorites in Alphabetical order

HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\MenuOrder\Favorites

Delete the favorites key and reboot

(3) Force Internet Explorer to run full screen (this is a 2 step process)

Step 1

HKEY_CURRENT_USER\Console

Find value full screen and change it to a 1 instead of 0

Step 2

HKEY_CURRENT_USER\Software\Microsoft\InternetExplorer\Main

create a string value and name it full screen

Type is yes in the Value data

(4) Settling down Windows Vista's User Control

This is one of my favorites. This disables alerts for administrators. This keeps the UAC from popping up every time you run a program but at the same time keeps the important protection measures intact. Some programs might not like this but that's ok because you can always change it back

Pull up this key

HKLM\Software\Microsoft\Windows\CurrentVersion\Policies\System\ConsentPromptBehaviorAdmin

Change this value to 0

re-enable it with a 2

Hacks for Faster Performance-Careful with this one!!

Find the key HKEY_CURRENT_USER\Control Panel\Desktop]

There are several entries in here you can tweak

ForegroundLockTimeout:

This is the time, the system keeps applications from moving into the background after you are done with them.

To speed this up change value to: 00000000

MenuShowDelay

This will speed up the start menu

Try 300 to 400

WaitToKillAppTimeout

This one effects shutdown. This is how long the system waits for user processes to end before logging off.

Try 4000 -5000

Hungapptimeout

This one relates to selecting end task on a process. It controls the time it takes for the program to shutdown

Recommended setting: 4000

A closing thought.....

The Windows registry editor is a very powerful tool to customize your registry. But more importantly the registry editor gives you a tool to keep your system running great for a long time. To be completely honest I rarely manually edit the Registry. I leave that to a registry repair tool.

(Here's the link to my [Registry Repair Tool](#) . With that said I still think it's a good idea to know your way around the Windows Registry.