<u>How to run Windows programs in a safe</u> <u>environment using Sandboxie</u>

In a nutshell, Sandboxie allows you to run Windows programs in a "safe" environment, called a sandbox. This tutorial will show you how to set up and use Sandboxie.



First, visit sandboxie.com to download Sandboxie. Their home page also gives a more detailed explanation of exactly what Sandboxie does if you're a bit confused. For even more details, review the Sandboxie FAQs. Sandboxie is a free program, but to use some of the advanced features you'll need to register it – which costs \$25 USD (for a life-time registration key that covers all future versions).

1. Towards the end of your Sandboxie installation you'll be prompted to install and activate the Sandbox system-level driver. Carefully review the info on how to boot into safe mode in case something goes wrong at this point. I've used this program on several different machines and it has never caused a problem, but the disclaimer is there for a reason.. Click **Next** to install the driver.

river Installation		
Please review the information belo	ow.	5
Click Next to install and activate the Sandboxie application.	he Sandbox system-level driver. This	driver is the core of
You may need to temporarily disat which may prevent the installation	ble any system protection tools that y of a system-level driver.	ou have running,
However, if this step fails and F8 as soon as your computer r SandboxieInstaller program in	your system locks up, boot into safe r estarts. When Windows comes up ag order to uninstall Sandboxie.	node by pressing Jain, re-run the
The driver installs successfully on	most systems.	
isoft Install System v2,12		-

2. Assuming all went well, click Finish.



3. When Sandboxie is opened for the first time, a welcome screen will pop up explaining the concept of sandboxing. Click Learn More (or just close the window and skip down to step 5).





4. A few of the benefits of using Sandboxie are explained. Click **OK** when you're done reading them.

Welco	me to Sandboxie 🛛 🛛 🕅
The	ese are some of the benefits you get when you use Sandboxie.
0	Browse the Web with Internet Explorer or any other browser, freeing your mind from the worries of spyware and promotional adware software. Such rogue software will be trapped in the sandbox, and deleted as soon as you delete the sandbox.
0	When reading your email, any viruses or trojan-horses hiding in email attachments will be trapped in the sandbox, and deleted as soon as you delete the sandbox. (Currently supported only for Outlook.)
0	Install and test new software inside the sandbox. The effects of the installation are bound to the sandbox and do not cause a build-up of clutter in your system. When done testing, delete the sandbox.
	OK
lick	to enlarge

5. Click OK.

Sandbox	xie 🛛 🔀
į)	Sandboxie is not configured yet. Click OK to complete the installation by creating a configuration file. Click Cancel to end this program. OK Cancel

6. And you'll be presented with the **Sandboxie Control** window. It will empty at this point as you have nothing running in a sandbox, yet.

Function View	Configuration	Options H	ielp		
Process Name			PID	Sandboxed?	
No Processes Are Sandboxed At This Time				None	

7. The easiest way to launch a program in the sandbox environment is to just select **Function** from the Sandboxie menu, then **Run Sandboxed** -> **Internet Explorer** (as an example).

un Sandboxed	•	Internet Explorer	Ctrl+N	
ontents of Sandbox	•	Default Browser Email Reader	Ctrl+B Ctrl+E	
Terminate Sandboxed Processes	•	Any Program	Ctrl+R	
Temporarily Disable Forced Program	8	From Start Menu	Ctrl+M	
Exit		Windows Explorer	Ctrl+W	



8. The **Sandboxie Control** window will display iexplore.exe and all of the programs that run when IE does (as well as two Sandboxie programs).

ଢ Sandboxie Control		
Function View Configuration Options	Help	
Process Name	PID	Sandboxed?
iexplore.exe	632	Yes: DefaultBox
SandboxieRpcSs.exe	468	Yes: DefaultBox
SandboxieDcomLaunch.exe	932	Yes: DefaultBox
WLLoginProxy.exe	2244	Yes: DefaultBox
GoogleToolbarNotifier.exe	480	Yes: DefaultBox
	3897293	924655. 1878566254953732532

9. You can identify a program that's running in a sandboxed environment by its name in the Taskbar. The name will begin with [#].

🌈 [#] Welcome to T...

10. The sandboxed program itself will also display **[#]** before and after its name in the <u>title bar.</u>

🖉 [#] Google	- Windows Internet Explorer [#]
00-	G http://www.google.ca/

<u>11. The Sandboxie system tray icon will display small red dots in it if there are programs currently being run in a sandboxed environment.</u>



12. If while using a sandboxed browser you visit a web page that contains a link that launches an external program, that program will also be run in the sandboxed environment.

In the example below, I opened a web page that contained an audio file. When I clicked the audio file it opened in Winamp. Notice that winamp.exe is now running in the sandboxed environment.



click to enlarge

13. If you save a file from the Internet using a sandboxed browser, that file will also be saved in the sandbox environment (notice the [#] before and after **Save As** in the dialog box).

Save As [#	4					<u>[</u>
Save in	x 🗀 sandbox		~	00	P	
Recent						
Desktop						
ly Documents						
My Computer						
	File name:	wm.asx			• (Save

14. If you search your drive for the file you just downloaded, it will only show up in the sandboxed version of your "hard drive".



15. If you close the applications that have been opened in a sandbox, the **Sandboxie** <u>Control</u> will no longer show them as running. If you want to quit everything that's running in a sandbox, select Function -> Terminate Sandboxed Processes -> In Current Sandbox.

Options H	ielp	
•	PID	Sandboxed?
ŀ	468 932	Yes: DefaultBox Yes: DefaultBox
s 🕨	In Curren	t Sandbox
Temporarily Disable Forced Programs		idboxes tBox
		Vec: DefaultBox
	S S STATES	Options Help → PID + 468 932 s → In Currer In All San 2032

16. You'll be prompted with a warning. Click Yes to close everything.



17. The Sandboxie Control window will empty.

📬 Sandboxie Control 📃 🗖 🔀				
Function View Configuration Options	Help			
Process Name	PID Sandboxed?			
No Processes Are Sandboxed At This Time	None			

18. One feature of the free version of Sandboxie is that it creates a desktop shortcut to auto-launch your browser in a sandbox. Purchasing Sandboxie allows you to customize programs so that they're always launched in a sandbox – the unregistered version does not.