

# Running Photoshop 7.0 in Gentoo Linux

*Needed:*

- A copy of Photoshop 7.0
- The WINE Windows Emulator

*To begin:*

Make sure the newest version of WINE is installed. If you're using Gentoo Linux, the following commands can be done to check if you have WINE installed, and what version is available if you don't:

```
# emerge -Uup wine
# emerge -Uu wine
```

If you're using a different distribution, you're on your own. Freshmeat.net has WINE available in many different formats, you should be able to find your needed format (tarball, RPM, etc) there.

*After WINE is installed:*

As your user, run the Photoshop.exe using WINE:

```
$ wine path/to/Photoshop.exe
```

I have my Photoshop in my "tools" directory, located in my /home/[user]/folder:

```
kim@computer kim$ wine tools/Photoshop 7.exe
```

If WINE is installed correctly, it will start making default registries, and then ask you to modify ~/.wine/config to point to the correct drives it needs to use when it sets up Windows. I've found that the defaults work fine for me, and haven't needed to modify what drives it's using.

Re-run the Photoshop.exe in WINE command:

```
kim@computer kim$ wine tools/Photoshop 7.exe
```

At this point, WINE should be loading font metrics. This may take a while, so be patient. Once it's done with the font metrics, the WinZip self-extractor will pop up to extract Photoshop. Click "unzip" and let it do its thing.

*After WinZip finishes:*

Change into ~/.wine directory. Go into the Installation Files directory, then Photoshop 7.0, another Photoshop 7.0 directory, then Photoshop. ls to see what's in there. If all is going well, there should be Setup files, possibly a text file with the serial number in it, a Readme, layouts.bin, etc. We want to run the install executable for Photoshop. SO. Run:

```
$ wine Setup.exe
```

The Adobe install screen will appear and then - DENIED.

Adobe will think you're running Windows NT. Oops. To get around this, you need to mod your ~/.wine/config file to use this config in place of the default [Version], etc:

```
[Version]
; Windows version to imitate
(win95,win98,winme,nt351,nt40,win2k,winxp,win20,win30,win31)
"Windows" = "win98"
; DOS version to imitate
;"DOS" = "6.22"

; Be careful here, wrong DllOverrides settings have the potential
; to pretty much kill your setup.
[DllOverrides]
; some dlls you may want to change
"oleaut32"      = "builtin, native"
"ole32"         = "builtin, native"
"commdlg"       = "builtin, native"
"comdlg32"      = "builtin, native"
"shell"         = "builtin, native"
"shell32"       = "builtin, native"
"shfolder"      = "builtin, native"
"shlwapi"       = "builtin, native"
"shdocvw"       = "builtin, native"
"advapi32"      = "builtin, native"
"msvcrt"        = "native, builtin"
"mciavi.drv"    = "native, builtin"
"mcianim.drv"   = "native, builtin"
; you can specify applications too
; this one will apply for all notepad.exe
;"*notepad.exe" = "native, builtin"
; this one will apply only for a particular file
;"C:\\windows\\regedit.exe" = "native, builtin"
; default for all other dlls
"*" = "builtin, native"
```

This will get WINE to emulate Windows 98. (Thanks to J.Snider for sharing the above code online.)

Re-run the Setup.exe, plugin your code and voila! Photoshop 7.0 on Gentoo Linux.

#### *Running Photoshop:*

Generically speaking, to run Photoshop you'll need to go into  
~/.wine/fake\_windows/Program Files/Adobe/Photoshop 7.0 and run the  
Photoshop.exe under WINE to launch Photoshop. This may be different for you, or  
your computer. Hunt around, and figure out where it's at. Just remember to use  
"wine Photoshop.exe" so Linux knows what to do.