

**Date:** Fri, 21 May 93 02:31:38 -0400

**From:** Glenn Brown <gbrown@raven.ctr.columbia.edu>

**To:** next-icon@gun.com

**Subject:** Automated Icon Compression!

**Reply-To:** gbrown@raven.ctr.columbia.edu (Glenn Brown: NextMail  
Prefered)

*Here it is, what you've all been waiting for:*

***Automated Icon Compression!***

***And it's FREE!\****

**compress\_tiff:**compress\_tiff -(This executable is a sh script. Command-drag to Edit.app to display the script text.)

syntax: compress\_tiff file [file ...]

Function: Attempts to reduce the size of each file if it is a tiff file by converting it to the LZW compressed tiff format. Each file is change if and only if it is a valid tiff file and conversion reduces its size. Directories and non-tiff files are unchanged.

Why: So you can type "compress\_tiff \*" to compress all the files in a directory or "compress\_tiff first.tiff second.tiff third.tiff" instead of using tiffutil many times.

Recommended installation location: any directory listed when you type 'echo \$PATH' in a terminal window.

**compress\_tiffs\_in\_dir**:441128\_compress\_tiff ¬(This executable is a sh script. Command-drag to Edit.app to display the script text.)

**syntax:** compress\_tiffs\_in\_dir {file | directory} [{file | directory} ...]

**Function:** Attempts to reduce the size of each file if it is a tiff file by converting it to the LZW compressed tiff format. Each file is change if and only if it is a valid tiff file and conversion reduces its size. **All .tiff files in each directory and recursively in its subdirectories are similarly compressed.**

**Why:** So you can type "compress\_tiffs\_in\_dir /LocalLibrary/Images" to compress all the tiffs there. This utility should be extremely handy for the next-icon archive handlers and anyone compiling a CD-ROM\*.

Recommended installation location: any directory listed when you type 'echo \$PATH' in a terminal window.

**Bugs:** Requires that compress\_tiff be installed somewhere in the user's path, preferably in the same directory as compress\_tiffs\_in\_dir.

**Legal Stuff:GnuGeneralPublicLicense** ↯<-Gnu General Public License  
compress\_tiffs\_in\_dir (a NeXT TIFF file compression tool) Copyright © 1992 Glenn Brown  
compress\_tiff (a NeXT TIFF file compression tool) Copyright © 1992 Glenn Brown

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

**\* If you use this software or a modified version of this software to compress files for a commercial software distribution, the author would appreciate some sort of gift such as a copy of the software, although none is required.**

Enjoy!  
--Glenn

**Date:** Fri, 21 May 93 15:33:16 -0400

**From:** Glenn Brown <gbrown@raven.ctr.columbia.edu>  
**To:** nobody@ctr.columbia.edu  
**Subject:** Re: Thoughts on face-tiff collections and information  
**Cc:** next-icon@gun.com  
**Reply-To:** gbrown@raven.ctr.columbia.edu (Glenn Brown: NextMail  
Prefered)

Garrance Drosehn wrote:  
I was thinking it would be nice if we distributed icons in a different format, one  
which would do a better job of keeping track of the information.

I like the format used by some X mailer: A mailer would try to find an icon for  
Lovstrand.EuroPARC.Xerox.COM.tiff by looking for:

lovstrand.tiff	in .../com/xerox/europarc	and then
.dir.tiff	in .../com/xerox/europarc	if that failed and then
lovstrand.tiff	in .../com/xerox	if that failed and then
.dir.tiff	in .../com/xerox	if that failed and then

lovstrand.tiff	in .../com	if that failed and then
.dir.tiff	in .../com	if that failed and then

This system lets you specify default icons for a site (NeXT icon default for next.com, leech for microsoft.com, school or corporate logo for school.edu or company.com, etc.) It also is a low-overhead way of specifying an icon for a person who uses a cluster of machines. Finally, the folders would look pretty if you had lots of default icons.

Of course, the problem is that each folder takes up 1k on disc, but there should only be around 1 directory per icon on average.

A *real* system would automatically retrieve icons somehow, datestamp the last time they were read, and flush icons nightly that haven't been looked at within some timeout period. In the above system, automated retrieval is hard. Flushing, however, is easy using cron(8) and find(1).

**Date:** Sat, 22 May 93 01:18:56 -0400  
**From:** Glenn Brown <gbrown@raven.ctr.columbia.edu>  
**To:** nobody@ctr.columbia.edu  
**Subject:** Re: Automated Icon Compression!  
**Cc:** next-icon@gun.com  
**Reply-To:** gbrown@raven.ctr.columbia.edu (Glenn Brown: NextMail  
Prefered)

In my earlier post, I accidentally sent two copies of my script  
compress\_tiff instead of one copy of compress\_tiff and one copy of  
compress\_tiffs\_in\_dir. So...

compress\_tiffs\_in\_dir →<-compress\_tiffs\_in\_dir

I already have a nifty quote after sending the above script  
to the first person who caught my error:

"Thanks for the revised compresstiff script.  
You've just saved me >5MB on my HD!"  
--Stefano Pagiola

Thanks, Stefano, I'm glad I could help.

--Glenn