Opener

docAPP.tiff ¬ ⇒ docPS_1.tiff ¬

docShar.tiff ¬ docTar_2.tiff ¬ docZ_1.tiff ¬ . . .

- ***Opener*** unpacks various common types of archived files; handy when perusing **ftp** servers. Currently handles:

`*.Z,tar,shar,lzh`	`unix compressed files`
`*.gz`	`GNU gzip-compressed files`
`*.uu`	`uuencoded file`
`*.hqx,bin,sit`	`macintosh archives`
`*.arc,zip,zoo`	`msdos arc archives`
`*.PS`	(***Preview*** doesn't catch cap .**PS**)
`*.arj`	`msdos arj archives (extraction only)`
`*.compressed`	`NeXT compressed files`

When you double-click on one of these files in the Workspace, Opener will catch it and unpack it. If the file comes from a Usenet source archive (like *mod.sources*) Opener can additionally unpack and compile that software: e.g., open *comp.sources.unix/.../cpp/part{1,2,3}.Z*, and Opener will extract and attempt to build that code.

- ***Opener*** creates `.tar.Z` or other archives:
  drag a collection of directories and files onto Opener's icon. A dialog panel will appear, and you can pick the format to use (`.tar, .tar.Z, .lzh`, etc), edit the archival command if you like, and edit the underlying commands by pushing the "*Edit archive table*" button in the *Preferences*... panel. In general, if you want to interact a bit to adjust the specific archival command, then drag files onto Opener's icon.

- ***Remote NeXT archives:*** to submit a directory to the NeXT archives at *sonata.cc.purdue.edu* and *cs.orst.edu*, put your contribution in a folder, say *x.app*, make sure that a plain text file *x.app/README* exists, and drop *x.app/* onto Opener, creating a *remote* archive. The files *x.app.README* and *x.app.tar.Z* will be created, *ftp*-ed to the archives, and an e-mail note will be composed and addressed to the archivists to announce it. The shell scripts *Submit* and *submit* do this.

- **Installation:**
  Because Opener includes all its source, simply put *Opener.app* in the appropriate *Apps*/ directory. Make any changes in place. You may wish to remove *Opener.app/test** (archive files used

only for testing), and *Opener.app/utils/* (source for *xlharc*, *booz*, and other archivers). If you want to use other versions of archival commands, you can: put them in *Opener.app/*; or, edit *Opener.app/Opener.table* to make paths explicit; or, put them in a well-known place and make sure that *Opener.app*/, which is typically searched first, does not contain redundant commands.

- **To add new file types:**
  The file *Opener.table* lists suffix/command pairs that are used to identify and unpack various kinds of files. You need to edit this table, and add an icon for the new type:
  add ...
  - a line to *Opener.table*,
    (formerly, new code in *Controller.m:doFile()*)
  - a utility in *utils/...*, and in *Makefile.postamble*
  - an icon to the TIFF suitcase in *Opener.nib*
  - suffixes to *types[]* in *Controller.m:-openRequest*

- **Monitoring:**
  We are interested in tracking software flow Ð learning how quickly and widely software travels. The first time you launch *Opener* a message is sent to a monitor mailbox.

This is a one-time message and is only used for mapping software flux. There is also a "*Suggestion*..." menu item under "*Info* ±>" which lets you send suggestions to the author. Thanks for your help.

- **Summary of changes in version 3.1.2:**
  - Revised icons for .bin, .hqx, .sit (correct Apple colors)
  - Corrected Joe Reiss' e-mail address
  - Added .compressed filetype
  - Eliminated use of *unsit* when unpacking .hqx files
  - Munged *mcvert* to create only the data fork of a MacBinary file instead of all resource forks, since this is the only portion needed to open these files on a NeXT (this concerns .hqx files)
  - New versions of *zip*, *unzip*, *gzip* and *gunzip*

Please let me know if you find bugs or make changes.

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- **Acknowledgements:**

Some unpacking tools were collected from the network.

arc v1.2 (5.21) 7-31-88
© Thom Henderson,
Howard Chu *(hyc@umix.cc.umich.edu)*

booz v2.0 7-7-91
Rahul Dhesi *(dhesi@cirrus.com)*

mcvert v1.6 4-91
Rick Zaccone *(zaccone@bucknell.edu)*

zip v2.0.1 9-93 **+ unzip** v5.1 2-94
© Mark Adler, Richard Wales, Jean-Loup Gailly, Kai Uwe Rommel, Igor Mandrichenko *(zip-bugs@cs.ucla.edu)*

xlharc v0.03 (beta version)
Yooichi Tagawa *(Nikkei-MIX ID: y.tagawa)*

unsit v1.5c 8-3-89
Allan G. Weber *(weber%brand.usc.edu@oberon.usc.edu)*

gzip + **gunzip** v1.2.4 8-18-93
© Jean-Loup Gailly *(jloup@chorus.fr)*, Mark Adler, Peter Jannesen, Haruhiko Okumura, Phil Katz

unarj v2.3 1-92
© Robert K. Jung *(robjung@world.std.com)*

Garance Alistair Drosehn *(gad@eclipse.its.rpi.edu)* provided helpful suggestions and code (via Scott Hess and Eric Scott) for safe filename-quoting, and for setting the output directory. About a hundred users have sent in comments and suggestions that have improved the program.

Denise Blakeley *(blake015@mc.duke.edu)* and Subrata Sircar *(Subrata_Sircar@next.com)* collaborated to make Opener v3.1. They brought Opener up to NeXTSTEP 3.1 compatibility, made it and the included utilities Multi-Architecture Binaries (i.e., fat), and included new unpacking utilities gzip/gunzip and unarj. Joe Reiss *(jreiss@magnus.acs.ohio-state.edu)* contributed all-new color icons.

Denise Blakeley *(blake015@mc.duke.edu)* is the current maintainer

of Opener.