

NAME

`funzip` – filter for extracting from a ZIP archive in a pipe

SYNOPSIS

funzip [**-password**] [*input.zip.gz*]

ARGUMENTS

[*-password*]

Optional password to be used if ZIP archive is encrypted. Decryption may not be supported at some sites. See DESCRIPTION for more details.

[*input.zip.gz*]

Optional input archive file specification. See DESCRIPTION for details.

DESCRIPTION

funzip without a file argument acts as a filter; that is, it assumes that a ZIP archive (or a *gzip*(1) file) is being piped into standard input, and it extracts the first member from the archive to stdout. When stdin comes from a tty device, *funzip* assumes that this cannot be a stream of (binary) compressed data and shows a short help text, instead. If there is a file argument, then input is read from the specified file instead of from stdin.

A password for encrypted zip files can be specified on the command line (preceding the file name, if any) by prefixing the password with a dash. Note that this constitutes a security risk on many systems; currently running processes are often visible via simple commands (e.g., *ps*(1) under Unix), and command-line histories can be read. If the first entry of the zip file is encrypted and no password is specified on the command line, then the user is prompted for a password and the password is not echoed on the console.

Given the limitation on single-member extraction, *funzip* is most useful in conjunction with a secondary archiver program such as *tar*(1). The following section includes an example illustrating this usage in the case of disk backups to tape.

EXAMPLES

To use *funzip* to extract the first member file of the archive `test.zip` and to pipe it into *more*(1):

```
funzip test.zip | more
```

To use *funzip* to test the first member file of `test.zip` (any errors will be reported on standard error):

```
funzip test.zip > /dev/null
```

To use *zip* and *funzip* in place of *compress*(1) and *zcat*(1) (or *gzip*(1) and *gzcat*(1)) for tape backups:

```
tar cf - . | zip -7 | dd of=/dev/nrst0 obs=8k
dd if=/dev/nrst0 ibs=8k | funzip | tar xf -
```

(where, for example, `nrst0` is a SCSI tape drive).

BUGS

When piping an encrypted file into *more* and allowing *funzip* to prompt for password, the terminal may sometimes be reset to a non-echo mode. This is apparently due to a race condition between the two programs; *funzip* changes the terminal mode to non-echo before *more* reads its state, and *more* then “restores” the terminal to this mode before exiting. To recover, run *funzip* on the same file but redirect to `/dev/null` rather than piping into *more*; after prompting again for the password, *funzip* will reset the terminal properly.

There is presently no way to extract any member but the first from a ZIP archive. This would be useful in the case where a ZIP archive is included within another archive. In the case where the first member is a directory, *funzip* simply creates the directory and exits.

The functionality of *funzip* should be incorporated into *unzip* itself (future release).

SEE ALSO

gzip(1), *unzip*(1), *unzipsfx*(1), *zip*(1), *zipcloak*(1), *zipinfo*(1), *zipnote*(1), *zipsplit*(1)

URL

The Info-ZIP home page is currently at
<http://www.info-zip.org/pub/infozip/>
or
<ftp://ftp.info-zip.org/pub/infozip/> .

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