

NAME

zopen - open a gzip compressed stream

LIBRARY

Compression Library (libz, -lz)

SYNOPSIS

FILE *

zopen(*const char *path, const char *mode*);

FILE *

zdopen(*int fd, const char *mode*);

DESCRIPTION

The **zopen**() function opens a gzip file whose name is the string pointed to by *path* and returns a stream which can be used to access the uncompressed contents of the file. The **zdopen**() variant takes a gzip file referenced by the file descriptor *fd*, analogous to `fdopen(3)`. They are wrappers around `zlib(3)` and the standard stream I/O APIs.

The argument *mode* has the same meaning as it does in `fopen(3)`.

The **zopen**() and **zdopen**() functions will associate the read, write, seek and close functions of `zlib(3)` with the returned stream.

RETURN VALUES

Upon successful completion **zopen**() and **zdopen**() return a FILE pointer. Otherwise, NULL is returned and the global variable *errno* is set to indicate the error.

ERRORS

In addition to the errors documented for `fopen(3)` and `fdopen(3)`, the functions may also fail for:

[ENOMEM] Insufficient memory is available.

COMPATIBILITY

The implementation of **zopen**() function first appeared in NetBSD 1.6 and FreeBSD 4.5. **zdopen**() first appeared in FreeBSD 13.0. These functions may not be portable to systems other than FreeBSD.

SEE ALSO

`fdopen(3)`, `fopen(3)`, `funopen(3)`, `zlib(3)`