

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)