

NAME

zip_fdopen - open zip archive using open file descriptor

LIBRARY

libzip (-lzip)

SYNOPSIS

#include <zip.h>

zip_t *

zip_fdopen(*int fd*, *int flags*, *int *errorp*);

DESCRIPTION

The zip archive specified by the open file descriptor *fd* is opened and a pointer to a *struct zip*, used to manipulate the archive, is returned. In contrast to `zip_open(3)`, using **zip_fdopen** the archive can only be opened in read-only mode. The *fd* argument may not be used any longer after calling **zip_fdopen**. The *flags* are specified by *or*'ing the following values, or 0 for none of them.

ZIP_CHECKCONS Perform additional stricter consistency checks on the archive, and error if they fail.

If an error occurs and *errorp* is non-NULL, it will be set to the corresponding error code.

RETURN VALUES

Upon successful completion **zip_fdopen()** returns a *struct zip* pointer, and *fd* should not be used any longer, nor passed to `close(2)`. Otherwise, NULL is returned and **errorp* is set to indicate the error. In the error case, *fd* remains unchanged.

ERRORS

The file specified by *fd* is prepared for use by `libzip(3)` unless:

[ZIP_ER_INCONS] Inconsistencies were found in the file specified by *path*. This error is often caused by specifying **ZIP_CHECKCONS** but can also happen without it.

[ZIP_ER_INVALID] The *flags* argument is invalid. Not all `zip_open(3)` flags are allowed for **zip_fdopen**, see *DESCRIPTION*.

[ZIP_ER_MEMORY] Required memory could not be allocated.

[ZIP_ER_NOZIP] The file specified by *fd* is not a zip archive.

[ZIP_ER_OPEN] The file specified by *fd* could not be prepared for use by `libzip(3)`.

[ZIP_ER_OPNOTSUPP]
 This functionality has been disabled at compile time.

[ZIP_ER_READ] A read error occurred; see *errno* for details.

[ZIP_ER_SEEK] The file specified by *fd* does not allow seeks.

SEE ALSO

`libzip(3)`, `zip_close(3)`, `zip_error_strerror(3)`, `zip_open(3)`

HISTORY

zip_fdopen() was added in `libzip` 1.0.

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