NAME

zip_fopen, **zip_fopen_index** - open file in zip archive for reading

LIBRARY

libzip (-lzip)

SYNOPSIS

#include <zip.h>

zip_file_t *
zip_fopen(*zip_t *archive*, *const char *fname*, *zip_flags_t flags*);

zip_file_t *
zip_fopen_index(*zip_t *archive*, *zip_uint64_t index*, *zip_flags_t flags*);

DESCRIPTION

The **zip_fopen**() function opens the file name *fname* in *archive*. The *flags* argument specifies how the name lookup should be done, according to the values are described in zip_name_locate(3). Also, the following values may be *or*'ed to it.

> ZIP_FL_COMPRESSED Read the compressed data. Otherwise the data is uncompressed by **zip_fread**().

> ZIP_FL_UNCHANGED Read the original data from the zip archive, ignoring any changes made to the file; this is not supported by all data sources.

The **zip_fopen_index**() function opens the file at position *index*.

If encrypted data is encountered, the functions call zip_fopen_encrypted(3) or zip_fopen_index_encrypted(3) respectively, using the default password set with zip_set_default_password(3).

RETURN VALUES

Upon successful completion, a *struct zip_file* pointer is returned. Otherwise, NULL is returned and the error code in *archive* is set to indicate the error.

ERRORS

[ZIP_ER_CHANGED]

> The file data has been changed and the data source does not support rereading data.

[ZIP_ER_COMPNOTSUPP]
>   The compression method used is not supported.

[ZIP_ER_ENCRNOTSUPP]
>   The encryption method used is not supported.

[ZIP_ER_MEMORY]
>   Required memory could not be allocated.

[ZIP_ER_NOPASSWD]
>   The file is encrypted, but no password has been provided.

[ZIP_ER_READ]   A file read error occurred.

[ZIP_ER_SEEK]   A file seek error occurred.

[ZIP_ER_WRONGPASSWD]
>   The provided password does not match the password used for encryption. Note
>   that some incorrect passwords are not detected by the check done by **zip_fopen**().

[ZIP_ER_ZLIB]   Initializing the zlib stream failed.

The function **zip_fopen**() may also fail and set *zip_err* for any of the errors specified for the routine
zip_name_locate(3).

The function **zip_fopen_index**() may also fail with ZIP_ER_INVAL if *index* is invalid.

SEE ALSO

libzip(3), zip_fclose(3), zip_fread(3), zip_fseek(3), zip_get_num_entries(3), zip_name_locate(3),
zip_set_default_password(3)

HISTORY

zip_fopen() and **zip_fopen_index**() were added in libzip 1.0.

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