

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_INVALID* 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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