

NAME

zip_file_add, **zip_file_replace** - add file to zip archive or replace file in zip archive

LIBRARY

libzip (-lzip)

SYNOPSIS

#include <zip.h>

zip_int64_t

zip_file_add(*zip_t* *archive, const char *name, *zip_source_t* *source, *zip_flags_t* flags);

int

zip_file_replace(*zip_t* *archive, *zip_uint64_t* index, *zip_source_t* *source, *zip_flags_t* flags);

DESCRIPTION

The function **zip_file_add**() adds a file to a zip archive, while **zip_file_replace**() replaces an existing file in a zip archive. The argument *archive* specifies the zip archive to which the file should be added. *name* is the file's name in the zip archive (for **zip_file_add**()), while *index* specifies which file should be replaced (for **zip_file_replace**()). The *flags* argument can be any combination of ZIP_FL_OVERWRITE with one of ZIP_FL_ENC_*:

ZIP_FL_OVERWRITE Overwrite any existing file of the same name. For **zip_file_add** only.

ZIP_FL_ENC_GUESS Guess encoding of *name* (default). (Only CP-437 and UTF-8 are recognized.)

ZIP_FL_ENC_UTF_8 Interpret *name* as UTF-8.

ZIP_FL_ENC_CP437 Interpret *name* as code page 437 (CP-437).
The data is obtained from the *source* argument, see **zip_source(3)**.

NOTE: **zip_source_free(3)** should not be called on a *source* after it was used successfully in a **zip_file_add** or **zip_file_replace** call.

RETURN VALUES

Upon successful completion, **zip_file_add**() returns the index of the new file in the archive, and **zip_file_replace**() returns 0. Otherwise, -1 is returned and the error code in *archive* is set to indicate the error.

EXAMPLES

```
zip_source_t *s;
const char buf[]="teststring";

if ((s=zip_source_buffer(archive, buf, sizeof(buf), 0)) == NULL ||
    zip_file_add(archive, name, s, ZIP_FL_ENC_UTF_8) < 0) {
    zip_source_free(s);
    printf("error adding file: %s\n", zip_strerror(archive));
}
```

ERRORS

zip_file_add() and **zip_file_replace()** fail if:

[ZIP_ER_EXISTS] There is already a file called *name* in the archive. (Only applies to **zip_file_add()**, and only if ZIP_FL_OVERWRITE is not provided).

[ZIP_ER_INVALID] *source* or *name* are NULL, or *index* is invalid.

[ZIP_ER_MEMORY] Required memory could not be allocated.

[ZIP_ER_RDONLY] Archive was opened in read-only mode.

SEE ALSO

libzip(3), zip_source(3)

HISTORY

zip_file_add() and **zip_file_replace()** were added in libzip 0.11.

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