

**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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