

NAME

zip_file_set_dostime, **zip_file_set_mtime** - set last modification time (mtime) for file in zip

LIBRARY

libzip (-lzip)

SYNOPSIS

```
#include <zip.h>
```

int

```
zip_file_set_dostime(zip_t *archive, zip_uint64_t index, zip_uint16_t dostime, zip_uint16_t dosdate,  
zip_flags_t flags);
```

int

```
zip_file_set_mtime(zip_t *archive, zip_uint64_t index, time_t mtime, zip_flags_t flags);
```

DESCRIPTION

The **zip_file_set_mtime()** function sets the last modification time (mtime) for the file at position *index* in the zip archive to *mtime*. Currently, no support for any *flags* is implemented.

In the zip archive, the time and date are saved as two 16-bit integers. To set the values directly, call the **zip_file_set_dostime()** function. The values of the time bytes are defined as follows:

0-4 seconds divided by two (1-2 = 1, 3-4 = 2, ...)

5-10 minute (0-59)

11-15 hour (0-23)

The values of the date bytes are defined as follows:

0-4 day of the month (1-31)

5-8 month (January = 1, February = 2, ...)

9-15 year offset from 1980 (1980 = 0, 1981 = 1, ...)

RETURN VALUES

Upon successful completion 0 is returned. Otherwise, -1 is returned and the error information in *archive* is set to indicate the error.

ERRORS

zip_file_set_dostime() and **zip_file_set_mtime()** fail if:

[ZIP_ER_INVALID] *index* is not a valid file index in *archive*.

[ZIP_ER_MEMORY]

Required memory could not be allocated.

[ZIP_ER_OPNOTSUPP]

Traditional PKWare encryption uses the file's mtime, therefore it cannot be changed without re-encrypting the data.

[ZIP_ER_RDONLY]

The *archive* was opened in read-only mode.

SEE ALSO

libzip(3), zip_stat(3)

HISTORY

zip_file_set_mtime() was added in libzip 1.0. **zip_file_set_dostime()** was added in libzip 1.6.

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CAVEATS

Following historical practice, the **zip_file_set_mtime()** function translates the time from the zip archive into the local time zone. If you want to avoid this, use the **zip_file_set_dostime()** function instead.