

**NAME**

**zip\_close** - close zip archive

**LIBRARY**

libzip (-lzip)

**SYNOPSIS**

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

*int*

```
zip_close(zip_t *archive);
```

**DESCRIPTION**

The **zip\_close()** function writes any changes made to *archive* to disk. If *archive* contains no files, the file is completely removed (no empty archive is written), unless the archive flag **ZIP\_AFL\_CREATE\_OR\_KEEP\_FILE\_FOR\_EMPTY\_ARCHIVE** is set. If successful, *archive* is freed. Otherwise *archive* is left unchanged and must still be freed.

To close and free a zip archive without saving changes, use **zip\_discard(3)**.

Progress updates for GUIs can be implemented using **zip\_register\_progress\_callback\_with\_state(3)**.

Cancelling the write of an archive during **zip\_close** can be implemented using **zip\_register\_cancel\_callback\_with\_state(3)**.

**RETURN VALUES**

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

**ERRORS**

**zip\_close()** will fail if:

[ZIP\_ER\_EOF] Unexpected end-of-file found while reading from a file.

[ZIP\_ER\_INTERNAL]

The callback function of an added or replaced file returned an error but failed to report which.

[ZIP\_ER\_INVALID] The *path* argument is NULL.

[ZIP\_ER\_MEMORY]

Required memory could not be allocated.

[ZIP\_ER\_NOZIP] File is not a zip archive.

[ZIP\_ER\_READ] A file read failed.

[ZIP\_ER\_RENAME]  
A temporary file could not be renamed to its final name.

[ZIP\_ER\_SEEK] A file seek failed.

[ZIP\_ER\_TMPOPEN]  
A temporary file could not be created.

[ZIP\_ER\_WRITE] A file write failed.

[ZIP\_ER\_ZLIB] An error occurred while (de)compressing a stream with `zlib(3)`.  
Additionally, any errors returned by the callback function for added or replaced files will be passed back.

## SEE ALSO

`libzip(3)`, `zip_discard(3)`, `zip_fdopen(3)`, `zip_get_error(3)`, `zip_open(3)`,  
`zip_register_cancel_callback_with_state(3)`, `zip_register_progress_callback_with_state(3)`,  
`zip_set_archive_flag(3)`, `zip_strerror(3)`

## HISTORY

`zip_close()` was added in `libzip 0.6`.

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## CAVEATS

Please note that all indices, `zip_stat(3)` information and other data about the archive is invalid after `zip_close`. When you open the same file again, it will be a completely new `zip_t` structure.