

**NAME**

**zip\_file\_set\_encryption** - set encryption method for file in zip

**LIBRARY**

libzip (-lzip)

**SYNOPSIS**

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

*int*

```
zip_file_set_encryption(zip_t *archive, zip_uint64_t index, zip_uint16_t method, const char *password);
```

**DESCRIPTION**

The **zip\_file\_set\_encryption()** function sets the encryption method for the file at position *index* in the zip archive to *method* using the password *password*. The *method* is the same as returned by **zip\_stat(3)**. For the *method* argument, currently only the following values are supported:

ZIP\_EM\_NONE           No encryption.

ZIP\_EM\_AES\_128        Winzip AES-128 encryption.

ZIP\_EM\_AES\_192       Winzip AES-192 encryption.

ZIP\_EM\_AES\_256       Winzip AES-256 encryption.

ZIP\_EM\_TRAD\_PKWARE

Traditional PKWare encryption. Do not use this method, it is not secure. It is only provided for backwards compatibility.

If *password* is NULL, the default password provided by **zip\_set\_default\_password(3)** is used.

The current encryption method for a file in a zip archive can be determined using **zip\_stat(3)**.

**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\_encryption()** fails if:

[ZIP\_ER\_ENCRNOTSUPP]

Unsupported compression method requested.

[ZIP\_ER\_INVALID] *index* is not a valid file index in *archive*, or the argument combination is invalid.

[ZIP\_ER\_MEMORY]

Required memory could not be allocated.

[ZIP\_ER\_RDONLY]

Read-only zip file, no changes allowed.

### SEE ALSO

libzip(3), zip\_encryption\_method\_supported(3), zip\_fopen\_encrypted(3),  
zip\_fopen\_index\_encrypted(3), zip\_set\_default\_password(3), zip\_stat(3)

### HISTORY

**zip\_file\_set\_encryption()** was added in libzip 1.2.0.

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