#### **NAME**

zip\_file\_extra\_field\_get, zip\_file\_extra\_field\_get\_by\_id - get extra field for file in zip

## **LIBRARY**

libzip (-lzip)

#### **SYNOPSIS**

#include <zip.h>

```
const\ zip\_uint8\_t\ *
```

**zip\_file\_extra\_field\_get**(zip\_t \*archive, zip\_uint64\_t index, zip\_uint16\_t extra\_field\_index, zip\_uint16\_t \*idp, zip\_uint16\_t \*lenp, zip\_flags\_t flags);

const zip\_uint8\_t \*

**zip\_file\_extra\_field\_get\_by\_id**(zip\_t \*archive, zip\_uint64\_t index, zip\_uint16\_t extra\_field\_id, zip\_uint16\_t extra\_field\_index, zip\_uint16\_t \*lenp, zip\_flags\_t flags);

#### DESCRIPTION

The **zip\_file\_extra\_field\_get**() function returns the extra field with index *extra\_field\_index* for the file at position *index* in the zip archive. This pointer should not be modified or free(3)'d, and becomes invalid when *archive* is closed. If *idp* is not NULL, the integer to which it points will be set to the ID (two-byte signature) of the selected extra field. If *lenp* is not NULL, the integer to which it points will be set to the length of the extra field. Generally speaking, *lenp* and *idp* should be passed since only the extra field data is returned (i.e., neither the ID nor the length, if the *idp* and *lenp* arguments are not provided).

The following *flags* are supported:

ZIP\_FL\_CENTRAL Return extra fields from the archive's central directory.

ZIP\_FL\_LOCAL Return extra fields from the local file headers.

ZIP\_FL\_UNCHANGED Return the original unchanged extra fields, ignoring any changes

made.

The **zip\_file\_extra\_field\_get\_by\_id**() function returns the extra field with ID (two-byte signature) extra\_field\_id and index extra\_field\_index (in other words, the extra\_field\_index'th extra field with ID extra\_field\_id) The other arguments are the same as for **zip\_file\_extra\_field\_get**().

## **RETURN VALUES**

Upon successful completion, a pointer to an extra field is returned, or NULL if there is no extra field

with that *extra\_field\_index* for the file with index *index*. In case of an error, NULL is returned and the error code in *archive* is set to indicate the error.

## **ERRORS**

zip\_file\_extra\_field\_get() and zip\_file\_extra\_field\_get\_by\_id() fail if:

[ZIP\_ER\_NOENT] *index* is not a valid file index in *archive*, or *extra\_field\_index* is not a valid extra file index (for ID *extra\_field\_id*).

## **SEE ALSO**

libzip(3), zip\_file\_extra\_field\_delete(3), zip\_file\_extra\_field\_set(3), zip\_file\_extra\_fields\_count(3)

# **HISTORY**

**zip\_file\_extra\_field\_get()** and **zip\_file\_extra\_field\_get\_by\_id()** were added in libzip 0.11.

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## **CAVEATS**

Please note that the extra field IDs 0x0001 (ZIP64 extension), 0x6375 (Infozip UTF-8 comment), and 0x7075 (Infozip UTF-8 file name) can not be read using **zip\_file\_extra\_field\_get**() since they are used by libzip(3) internally.