

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.