

NAME

zip_source_file, **zip_source_file_create** - create data source from a file

LIBRARY

libzip (-lzip)

SYNOPSIS

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

```
zip_source_t *
```

```
zip_source_file(zip_t *archive, const char *fname, zip_uint64_t start, zip_int64_t len);
```

```
zip_source_t *
```

```
zip_source_file_create(const char *fname, zip_uint64_t start, zip_int64_t len, zip_error_t *error);
```

DESCRIPTION

The functions **zip_source_file**() and **zip_source_file_create**() create a zip source from a file. They open *fname* and read *len* bytes from offset *start* from it.

When passing ZIP_LENGTH_TO_END (or -1, which is deprecated) as *len*, **zip_source_file** determines the file size when it is called and uses that as the expected file size. If the file size grows between creating and reading from the source, the additional data is ignored. If the file shrinks, **libzip** treats it as an error (ZIP_ER_DATA_LENGTH).

When passing ZIP_LENGTH_UNCHECKED as *len*, **zip_source_file** assumes the file's size is unknown. Reading from the source returns as much data as is there at that time (usually when calling **zip_close**(3)).

libzip can do various optimizations if the size of a source is known when it's created, so ZIP_LENGTH_TO_END is preferable. If you deal with files that are likely to change while you are processing them, you can use the less efficient ZIP_LENGTH_UNCHECKED.

If the file supports seek, the source can be used to open a zip archive from.

The file is opened and read when the data from the source is used, usually by **zip_close**() or **zip_open_from_source**().

RETURN VALUES

Upon successful completion, the created source is returned. Otherwise, NULL is returned and the error code in *archive* or *error* is set to indicate the error.

ERRORS

zip_source_file() and **zip_source_file_create()** fail if:

[ZIP_ER_INVALID] *fname*, *start*, or *len* are invalid.

[ZIP_ER_MEMORY]
Required memory could not be allocated.

[ZIP_ER_OPEN] Opening *fname* failed.

SEE ALSO

libzip(3), zip_file_add(3), zip_file_replace(3), zip_source(3)

HISTORY

zip_source_file() and **zip_source_file_create()** were added in libzip 1.0.

ZIP_LENGTH_TO_END and ZIP_LENGTH_UNCHECKED were added in libzip 1.10.1.

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