

NAME

zip_source_stat - get information about zip_source

LIBRARY

libzip (-lzip)

SYNOPSIS

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

```
int
```

```
zip_source_stat(zip_source_t *source, zip_stat_t *sb);
```

DESCRIPTION

The **zip_source_stat()** function obtains information about the zip source *source*

The *sb* argument is a pointer to a *struct zip_source_stat* (shown below), into which information about the zip source is placed.

```
struct zip_source_stat {
    zip_uint64_t valid;           /* which fields have valid values */
    const char *name;           /* name of the file */
    zip_uint64_t index;         /* index within archive */
    zip_uint64_t size;          /* size of file (uncompressed) */
    zip_uint64_t comp_size;     /* size of file (compressed) */
    time_t mtime;              /* modification time */
    zip_uint32_t crc;           /* crc of file data */
    zip_uint16_t comp_method;    /* compression method used */
    zip_uint16_t encryption_method; /* encryption method used */
    zip_uint32_t flags;         /* reserved for future use */
};
```

The structure pointed to by *sb* must be initialized with **zip_stat_init(3)** before calling **zip_source_stat()**.

The *valid* field of the structure specifies which other fields are valid. Check if the flag defined by the following defines are in *valid* before accessing the fields:

ZIP_STAT_NAME	<i>name</i>
ZIP_STAT_INDEX	<i>index</i>
ZIP_STAT_SIZE	<i>size</i>
ZIP_STAT_COMP_SIZE	<i>comp_size</i>
ZIP_STAT_MTIME	<i>mtime</i>
ZIP_STAT_CRC	<i>crc</i>

ZIP_STAT_COMP_METHOD	<i>comp_method</i>
ZIP_STAT_ENCRYPTION_METHOD	<i>encryption_method</i>
ZIP_STAT_FLAGS	<i>flags</i>

NOTE: Some fields may only be filled out after all data has been read from the source, for example the *crc* or *size* fields.

RETURN VALUES

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

SEE ALSO

libzip(3), zip_source(3)

HISTORY

zip_source_stat() was added in libzip 1.0.

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