```
NAME
```

```
archive_read_open,
                           archive_read_open2,
                                                         archive_read_open_fd,
archive_read_open_FILE,
                                                   archive_read_open_filename,
archive_read_open_memory — functions for real ng streating arc ves
```

LIBRARY

```
Strea ng Arc ve L brary (_barc ve, -arc ve)
```

SYNOPSIS

```
#include <archive.h>
```

```
{\tt archive\_read\_open}(struct\ archive\ *, void\ *client\_data,
    archive_open_callback *, archive_read_callback *,
    archive_close_callback *);
```

int

```
archive_read_open2(struct archive *, void *client_data,
    archive_open_callback *, archive_read_callback *,
    archive_skip_callback *, archive_close_callback *);
```

int.

archive_read_open_FILE(struct archive *, FILE *file);

archive_read_open_fd(struct archive *, int fd, size_t block_size);

archive_read_open_filename(struct archive *, const char *filename, size_t block_size);

archive_read_open_memory(struct archive *, const void *buff, size_t size);

DESCRIPTION

archive_read_open()

T e sa e as archive_read_open2(), except t at t e s p ca_bac s assu e∜to be N♣₹LL. archive_read_open2()

Freeze t e settings, open t e arc ve, an # prepare t or rea # ng entr es. I s s t e ost gener c vers on of t s ca_w c accepts four ca_bac functions. Most c_ents w _want to use archive_read_open_FILE(), archive_read_open_filename(), archive_read_open_fd(), or archive_read_open_memory() nstea% re_brary nvo es t e c_ent-prov \(e^{1/2}\) unct ons to obta n raw bytes \(ro \) t e arc ve.

archive_read_open_FILE()

L e archive_read_open(), except t at t accepts a FILE * po nter. s funct on s ou! not be use \(\text{w} \) t tape \(\text{fr yes or ot er } \(\text{lev ces t} \) at require strict \(\text{lev boc} \) ng.

archive_read_open_fd()

L e archive_read_open(), except t at t accepts a self-escriptor and bec self-extent an a set q' unct on po nters. No ote t at t e se sescriptor we not be auto at care coses at ensequences c ve. I stunct on s sate tor use w t tape it ves or ot er b oc ell liev ces.

archive_read_open_file()

T s s a %eprecate% synony for archive_read_open_filename().

archive_read_open_filename()

L e archive_read_open(), except t at t accepts a s per ena e and a boc sze. A No LL vena e represents stanvary nput. I stunct on s safe for use w t tape wr ves or ot er bac ell lev ces.

archive_read_open_memory()

L e archive_read_open(), except t at t accepts a pointer an si size q' a boc q' e ory conta n ng t e arc ve yata.

A co pete lescription of the structure ve an letructure ve entry objects can be sount in the overview anua_page or _barc ve(3).

CLIENT CALLBACKS

T e ca hac functions ust atc t e o owing prototypes.

la_ssize_t archive_read_callback(struct archive *, void *client_data, const void **buffer)

archive_skip_callback(struct archive *, typedef la_int64_t void *client_data, off_t request)

typedef intarchive_open_callback(struct archive *, void *client_data)

typedef archive_close_callback(struct archive *, void int *client_data)

- T e open ca_bac s nvo e∜by archive_open(). It s ou ⊈ return ARCHIVE_OK / t e un∜er y ng v e or !Vata source s success u_v opene!. If t e open fa s, t s ou v ca_archive_set_error() to reg ster an error colle an!! essage an!! return ARCHIVE_FATAL.
- T e real ca bac s nvo el w enever t e brary requires raw bytes ro t e arc ve. T e real ca bac s ou l'real l'ata nto a buy er, set t e const vo d **bu er argu ent to po nt to t e ava ab e l'ata, an l' return a count of t e nu ber of bytes ava ab e e brary w nvo e t e real ca bac aga n on v after t as consu ell t s lata. I e brary poses no constraints on t e s ze q t e lata b oc s returnell. In enliof the real carbac soul return zero. On error, the real carbac soul nvole archive_set_error() to register an error colle and essage and return st.
- T es p ca bac s nvo e w en t e brary wants to gnore a b oc q vata. T e return va ue s t e nu ber of bytes actual v s ppell, w c ay lifter to the request. If the callback cannot single plata, it should return zero. It tes p ca hac s not prov Vev (ter unct on po nter s NILL, te brary w nvo e te real/function insteal and s p v 4 scar4 t e resut. As p ca hac can prov 4e s gn 1 cant per or ance gans wen reasting unco pressestare vestro sowsts strees or other estat at cans place we
- The close callbaches a note of the state of to reg ster an error colle an! essage an! return ARCHIVE_FATAL.

RETURN VALUES

T ese unct ons return **ARCHIVE_OK** on success, or **ARCHIVE_FATAL**.

ERRORS

Deta ell error colles anil textua lescriptions are ava abe fro it e archive_erro() anil archive_error_string(){ unct ons.

SEE ALSO

tar(1), are ve read(3), are ve read data(3), are ve read ter(3), ard ve read or $\mathfrak{A}(3)$, ard ve read set opt ons(3), ard ve ut $\mathfrak{A}(3)$, barc ve(3), tar(3)