

NAME

archive_write_set_format, archive_write_set_format_7zip, archive_write_set_format_ar, archive_write_set_format_ar_bsd, archive_write_set_format_ar_svr4, archive_write_set_format_by_name, archive_write_set_format_cpio, archive_write_set_format_cpio_bin, archive_write_set_format_cpio_newc, archive_write_set_format_cpio_odc, archive_write_set_format_cpio_pwb, archive_write_set_format_filter_by_ext, archive_write_set_format_filter_by_ext_def, archive_write_set_format_gnutar, archive_write_set_format_iso9660, archive_write_set_format_mtree, archive_write_set_format_mtree_classic, archive_write_set_format_mtree_default, archive_write_set_format_pax, archive_write_set_format_pax_restricted, archive_write_set_format_raw, archive_write_set_format_shar, archive_write_set_format_shar_dump, archive_write_set_format_ustar, archive_write_set_format_v7tar, archive_write_set_format_warc, archive_write_set_format_xar, archive_write_set_format_zip — functions for creating archives

LIBRARY

Streaming Archive Library (libarchive, -larchive)

SYNOPSIS

```
#include <archive.h>

int
archive_write_set_format(struct archive *, int code);

int
archive_write_set_format_7zip(struct archive *);

int
archive_write_set_format_ar(struct archive *);

int
archive_write_set_format_ar_bsd(struct archive *);

int
archive_write_set_format_ar_svr4(struct archive *);

int
archive_write_set_format_by_name(struct archive *, const char *name);

int
archive_write_set_format_cpio(struct archive *);

int
archive_write_set_format_cpio_bin(struct archive *);

int
archive_write_set_format_cpio_newc(struct archive *);

int
archive_write_set_format_cpio_odc(struct archive *);

int
archive_write_set_format_cpio_pwb(struct archive *);

int
archive_write_set_format_filter_by_ext(struct archive *,
    const char *filename);

int
archive_write_set_format_filter_by_ext_def(struct archive *,
    const char *filename, const char *def_ext);

int
archive_write_set_format_gnutar(struct archive *);
```

```

int
archive_write_set_format_iso9660(struct archive *);
int
archive_write_set_format_mtree(struct archive *);
int
archive_write_set_format_pax(struct archive *);
int
archive_write_set_format_pax_restricted(struct archive *);
int
archive_write_set_format_raw(struct archive *);
int
archive_write_set_format_shar(struct archive *);
int
archive_write_set_format_shar_dump(struct archive *);
int
archive_write_set_format_ustar(struct archive *);
int
archive_write_set_format_v7tar(struct archive *);
int
archive_write_set_format_warc(struct archive *);
int
archive_write_set_format_xar(struct archive *);
int
archive_write_set_format_zip(struct archive *);

```

DESCRIPTION

These functions set the format that will be used for the archive.

The library can write a variety of common archive formats.

archive_write_set_format()

Sets the format based on the format code (see *archive.h* for the full list of format codes). In particular, this can be used in conjunction with **archive_format()** to create a new archive with the same format as an existing archive.

archive_write_set_format_by_name()

Sets the corresponding format based on the common name.

archive_write_set_format_filter_by_ext()

archive_write_set_format_filter_by_ext_def()

Sets both filters and format based on the output filename. Supported extensions: .7z, .zip, .jar, .cpio, .iso, .a, .ar, .tar, .tgz, .tar.gz, .tar.bz2, .tar.xz

archive_write_set_format_7zip()

archive_write_set_format_ar_bsd()

archive_write_set_format_ar_svr4() **archive_write_set_format_cpio()**

archive_write_set_format_cpio_bin()

archive_write_set_format_cpio_newc()

archive_write_set_format_cpio_odc()

archive_write_set_format_cpio_pwb()

archive_write_set_format_gnutar()

archive_write_set_format_iso9660() **archive_write_set_format_mtree()**

archive_write_set_format_mtree_classic()

archive_write_set_format_pax()

```
archive_write_set_format_pax_restricted()
archive_write_set_format_raw()          archive_write_set_format_shar()
archive_write_set_format_shar_dump()
archive_write_set_format_ustar()        archive_write_set_format_v7tar()
archive_write_set_format_warc()          archive_write_set_format_xar()
archive_write_set_format_zip()
```

Set the format as specified. More details on the formats supported by libarchive can be found in the *libarchive-formats(5)* manual page.

RETURN VALUES

These functions return `ARCHIVE_OK` on success, or `ARCHIVE_FATAL`.

ERRORS

Detailed error codes and textual descriptions are available from the **`archive_errno()`** and **`archive_error_string()`** functions.

SEE ALSO

tar(1), *archive_write(3)*, *archive_write_set_options(3)*, *libarchive(3)*, *cpio(5)*, *libarchive-formats(5)*, *mtree(5)*, *tar(5)*