

NAME

`archive_write_set_format_cpio`, `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_filter_by_ext`,
`archive_write_set_format_filter_by_ext_def` — functions for creating archives

LIBRARY

Streaming Archive Library (libarchive, -larchive)

SYNOPSIS

```
#include <archive.h>

int
archive_write_set_format_cpio(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_filter_by_ext(struct archive *, const char *);

int
archive_write_set_format_filter_by_ext_def(struct archive *, const char *,
    const char *);
```

DESCRIPTION

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

The library can write POSIX octet-oriented cpio format archives, POSIX-standard “pax interchange” format archives, traditional “shar” archives, enhanced “dump” shar archives that store a variety of file attributes and handle binary files, and POSIX-standard “ustar” archives. The pax interchange format is a backwards-compatible tar format that adds key/value attributes to each entry and supports arbitrary filenames, linknames, uids, sizes, etc. “Restricted pax interchange format” is the library default; this is the same as pax format, but suppresses the pax extended header for most normal files. In most cases, this will result in ordinary ustar archives.

```
archive_write_set_format_filter_by_ext(),
archive_write_set_format_filter_by_ext_def()
```

Format and filter for archive can be set automatically, based on output file name extension. The functions are platform dependent. Supported extensions: .7z, .zip, .jar, .cpio, .iso, .a, .ar, .tar, .tgz, .tar.gz, .tar.bz2, .tar.xz

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