

**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)**