

**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)*