

**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\_newc,**  
**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_newc(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_newc(),
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)`, `libarchive(3)`, `archive_write(3)`, `archive_write_set_options(3)`, `cpio(5)`, `libarchive-formats(5)`, `mtree(5)`, `tar(5)`