

**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)