

**NAME**

<code>archive_write_set_format,</code>	<code>archive_write_set_format_7zip,</code>
<code>archive_write_set_format_ar,</code>	<code>archive_write_set_format_ar_bsd,</code>
<code>archive_write_set_format_ar_svr4,</code>	<code>archive_write_set_format_by_name,</code>
<code>archive_write_set_format_cpio,</code>	<code>archive_write_set_format_cpio_newc,</code>
<code>archive_write_set_format_filter_by_ext,</code>	
<code>archive_write_set_format_filter_by_ext_def,</code>	
<code>archive_write_set_format_gnutar,</code>	<code>archive_write_set_format_iso9660,</code>
<code>archive_write_set_format_mtree,</code>	<code>archive_write_set_format_mtree_classic,</code>
<code>archive_write_set_format_mtree_default,</code>	<code>archive_write_set_format_pax,</code>
<code>archive_write_set_format_pax_restricted,</code>	<code>archive_write_set_format_raw,</code>
<code>archive_write_set_format_shar,</code>	<code>archive_write_set_format_shar_dump,</code>
<code>archive_write_set_format_ustar,</code>	<code>archive_write_set_format_v7tar,</code>
<code>archive_write_set_format_warc,</code>	<code>archive_write_set_format_xar,</code>
<code>archive_write_set_format_zip,</code>	— 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)`