

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_ocd`, `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_mtreet`,
`archive_write_set_format_mtreet_classic`, `archive_write_set_format_mtreet_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_ocd(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_mtreetree(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

<code>archive_write_set_format_7zip()</code>	<code>archive_write_set_format_ar_bsd()</code>
<code>archive_write_set_format_ar_svr4()</code>	<code>archive_write_set_format_cpio()</code>
<code>archive_write_set_format_cpio_bin()</code>	
<code>archive_write_set_format_cpio_newc()</code>	
<code>archive_write_set_format_cpio_ocd()</code>	
<code>archive_write_set_format_cpio_pwb()</code>	
<code>archive_write_set_format_gnutar()</code>	
<code>archive_write_set_format_iso9660()</code>	<code>archive_write_set_format_mtreetree()</code>
<code>archive_write_set_format_mtreetree_classic()</code>	
<code>archive_write_set_format_pax()</code>	

```
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)*