

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)`