

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)