

**NAME**

`archive_read_set_filter_option`, `archive_read_set_format_option`, `archive_read_set_option`,  
`archive_read_set_options` — functions controlling options for reading archives

**LIBRARY**

Streaming Archive Library (libarchive, -larchive)

**SYNOPSIS**

```
int
archive_read_set_filter_option(struct archive *, const char *module,
    const char *option, const char *value);

int
archive_read_set_format_option(struct archive *, const char *module,
    const char *option, const char *value);

int
archive_read_set_option(struct archive *, const char *module,
    const char *option, const char *value);

int
archive_read_set_options(struct archive *, const char *options);
```

**DESCRIPTION**

These functions provide a way for libarchive clients to configure specific read modules.

**`archive_read_set_filter_option()`, `archive_read_set_format_option()`**

Specifies an option that will be passed to currently-registered filters (including decompression filters) or format readers.

If *option* and *value* are both NULL, these functions will do nothing and ARCHIVE\_OK will be returned. If *option* is NULL but *value* is not, these functions will do nothing and ARCHIVE\_FAILED will be returned.

If *module* is not NULL, *option* and *value* will be provided to the filter or reader named *module*. The return value will be that of the module. If there is no such module, ARCHIVE\_FAILED will be returned.

If *module* is NULL, *option* and *value* will be provided to every registered module. If any module returns ARCHIVE\_FATAL, this value will be returned immediately. Otherwise, ARCHIVE\_OK will be returned if any module accepts the option, and ARCHIVE\_FAILED in all other cases.

**`archive_read_set_option()`**

Calls `archive_read_set_format_option()`, then `archive_read_set_filter_option()`. If either function returns ARCHIVE\_FATAL, ARCHIVE\_FATAL will be returned immediately. Otherwise, greater of the two values will be returned.

**`archive_read_set_options()`**

*options* is a comma-separated list of options. If *options* is NULL or empty, ARCHIVE\_OK will be returned immediately.

Calls `archive_read_set_option()` with each option in turn. If any `archive_read_set_option()` call returns ARCHIVE\_FATAL, ARCHIVE\_FATAL will be returned immediately.

Individual options have one of the following forms:

*option=value*

The option/value pair will be provided to every module. Modules that do not accept an option with this name will ignore it.

*option* The option will be provided to every module with a value of “1”.

*!option*

The option will be provided to every module with a NULL value.

*module:option=value, module:option, module:!option*

As above, but the corresponding option and value will be provided only to modules whose name matches *module*.

## OPTIONS

### Format cab

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

### Format cpio

*compat-2x*

Libarchive 2.x incorrectly encoded Unicode filenames on some platforms. This option mimics the libarchive 2.x filename handling so that such archives can be read correctly.

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

*pwb*

When reading a binary CPIO archive, assume that it is in the original PWB cpio format, and handle file mode bits accordingly. The default is to assume v7 format.

### Format iso9660

*joliet* Support Joliet extensions. Defaults to enabled, use *!joliet* to disable.

*rockridge*

Support RockRidge extensions. Defaults to enabled, use *!rockridge* to disable.

### Format lha

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

### Format mtree

*checkfs*

Allow reading information missing from the mtree from the file system. Disabled by default.

### Format rar

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

### Format tar

*compat-2x*

Libarchive 2.x incorrectly encoded Unicode filenames on some platforms. This option mimics the libarchive 2.x filename handling so that such archives can be read correctly.

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

*mac-ext*

Support Mac OS metadata extension that records data in special files beginning with a period and underscore. Defaults to enabled on Mac OS, disabled on other platforms. Use *!mac-ext* to disable.

*read\_concatenated\_archives*

Ignore zeroed blocks in the archive, which occurs when multiple tar archives have been concatenated together. Without this option, only the contents of the first concatenated archive would be read.

### Format zip

*compat-2x*

Libarchive 2.x incorrectly encoded Unicode filenames on some platforms. This option mimics the libarchive 2.x filename handling so that such archives can be read correctly.

*hdrcharset*

The value is used as a character set name that will be used when translating file names.

`ignorecrc32`

Skip the CRC32 check. Mostly used for testing.

`mac-ext`

Support Mac OS metadata extension that records data in special files beginning with a period and underscore. Defaults to enabled on Mac OS, disabled on other platforms.

Use `!mac-ext` to disable.

## ERRORS

Detailed error codes and textual descriptions are available from the **`archive_errno()`** and **`archive_error_string()`** functions.

## SEE ALSO

*tar(1)*, *archive\_read(3)*, *archive\_write\_set\_options(3)*, *libarchive(3)*