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 iso9660

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

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

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 filenames.

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.

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_set_options(3), archive_read(3)