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, the 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)