

NAME

pkg_create, **pkg_create_i**, **pkg_create_new**, **pkg_create_free**, **pkg_create_set_format**,
pkg_create_set_overwrite, **pkg_create_set_compression_level**, **pkg_set_rootdir**, **pkg_set_output_dir**,
pkg_create_set_timestamp - create packages

LIBRARY

library "libpkg"

SYNOPSIS

#include <pkg.h>

*struct pkg_create **

pkg_create_new();

void

pkg_create_free(*struct pkg_create **);

bool

pkg_create_set_format(*struct pkg_create **, *const char **);

void

pkg_create_set_compression_level(*struct pkg_create **, *int*);

void

pkg_create_set_overwrite(*struct pkg_create **, *bool*);

void

pkg_create_set_rootdir(*struct pkg_create **, *const char **);

void

pkg_create_set_output_dir(*struct pkg_create **, *const char **);

void

pkg_create_set_timestamp(*struct pkg_create **, *time_t*);

int

pkg_create(*struct pkg_create **, *const char **, *const char **, *bool*);

int

pkg_create_i(*struct pkg_create **, *struct pkg **, *bool*);

DESCRIPTION

pkg_create_new() Allocates a new *struct pkg_create* * which should be freed by the caller using **pkg_create_free()**.

pkg_create_set_format() will define the compression format to use. By default "txz" except if specified otherwise in `pkg.conf(5)`. It returns *false* if the compression format is unknown and fallback the the default format.

pkg_create_set_compression_level() take a *int* arguments which represents the expect compression level. 3 special values are accepted:

INT_MIN Set the fastest compression format value

0 Set the default (as specified in `libarchive`)

INT_MAX Set the best compression ratio

pkg_create_set_overwrite() Accept *Va* a boolean to define the default behaviour when creating a package and a local file already exists. The default behaviour is to overwrite.

pkg_create_set_rootdir() tells the program where to find the root used for packaging (also called sometime staging area). If none is provided `pkg` will consider `’/’`.

pkg_create_set_output_dir() Tells the program where to create the new packages. By default it will consider the current directory of the running program.

pkg_create_set_timestamp() Define the timestamp to use ad creation and modification time for the files to be packaged. By default it will use the timestamp of the files on the filesystem.

pkg_create() create a package from scratch using the *metadata* and *plist* as input. The *metadata* can be either directly a UCL manifest, or a directory containing multiple files:

+MANIFEST The UCL manifest

+DESC A textual description (optional)

shell scripts (optional):

+INSTALL Shell script that will be run during both in post and pre install (DEPRECATED)

- +PRE_INSTALL Shell script that will be run during pre install phase
- +POST_INSTALL
Shell script that will be run during post install phase
- +DEINSTALL Shell script that will be run during both in post and pre deinstall
(DEPRECATED)
- +PRE_DEINSTALL
Shell script that will be run during pre deinstall phase
- +POST_DEINSTALL
Shell script that will be run during post deinstall phase
- pkg-install Shell script that will be run during both in post and pre install
(DEPRECATED)
- pkg-pre-install Shell script that will be run during pre install phase
- pkg-post-install Shell script that will be run during post install phase
- pkg-deinstall Shell script that will be run during both in post and pre deinstall
(DEPRECATED)
- pkg-pre-deinstall Shell script that will be run during pre deinstall phase
- pkg-post-deinstall Shell script that will be run during post deinstall phase

lua scripts (optional):

- pkg-pre-install.lua Lua script that will be run during pre install phase
- pkg-post-install.lua Lua script that will be run during post install phase
- pkg-pre-deinstall.lua Lua script that will be run during pre deinstall phase
- pkg-post-deinstall.lua Lua script that will be run during post deinstall phase

pkg_create_i() create a package for the provided installed *pkg*. If *hash* is set to *true* then the file name will in the form: <pkgname>-<pkgversion>-<shorthash>.<extention> instead of

<pkgname>--<pkgversion>.<extension>.