NAME

Dpkg::Source::Package − manipulate Debian source packages

DESCRIPTION

This module provides an object that can manipulate Debian source packages. While it supports both the extraction and the creation of source packages, the only API that is officially supported is the one that supports the extraction of the source package.

FUNCTIONS

$string = **get_default_diff_ignore_regex()**

Returns the default diff ignore regex.

set_default_diff_ignore_regex($string)

Set a regex as the new default diff ignore regex.

@array = **get_default_tar_ignore_pattern()**

Returns the default tar ignore pattern, as an array.

METHODS

$p = Dpkg::Source::Package−>new(%opts, options => { })

Creates a new object corresponding to a source package. When the key **filename** is set to a *.dsc* file, it will be used to initialize the source package with its description. Otherwise if the **format** key is set to a valid value, the object will be initialized for that format (since dpkg 1.19.3).

The **options** key is a hash ref which supports the following options:

skip_debianization

If set to 1, do not apply Debian changes on the extracted source package.

skip_patches

If set to 1, do not apply Debian-specific patches. This options is specific for source packages using format "2.0" and "3.0 (quilt)".

require_valid_signature

If set to 1, the **check_signature()** method will be stricter and will error out if the signature can't be verified.

require_strong_checksums

If set to 1, the **check_checksums()** method will be stricter and will error out if there is no strong checksum.

copy_orig_tarballs

If set to 1, the extraction will copy the upstream tarballs next the target directory. This is useful if you want to be able to rebuild the source package after its extraction.

$p−>**get_filename()**

Returns the filename of the DSC file.

$p−>**get_files()**

Returns the list of files referenced by the source package. The filenames usually do not have any path information.

$p−>**check_checksums()**

Verify the checksums embedded in the DSC file. It requires the presence of the other files constituting the source package. If any inconsistency is discovered, it immediately errors out. It will make sure at least one strong checksum is present.

If the object has been created with the "require_strong_checksums" option, then any problem will result in a fatal error.

$bool = $p−>**is_signed()**

Returns 1 if the DSC files contains an embedded OpenPGP signature. Otherwise returns 0.

$p−>**check_signature()**

    Implement the same OpenPGP signature check that dpkg-source does. In case of problems, it prints a warning or errors out.

    If the object has been created with the ''require_valid_signature'' option, then any problem will result in a fatal error.

$p−>extract($targetdir)

    Extracts the source package in the target directory $targetdir. Beware that if $targetdir already exists, it will be erased (as long as the no_overwrite_dir option is set).

CHANGES

Version 1.03 (dpkg 1.19.3)

    New option: format in **new()**.

Version 1.02 (dpkg 1.18.7)

    New option: require_strong_checksums in **check_checksums()**.

Version 1.01 (dpkg 1.17.2)

    New functions: **get_default_diff_ignore_regex()**, **set_default_diff_ignore_regex()**, **get_default_tar_ignore_pattern()**

    Deprecated variables: $diff_ignore_default_regexp, @tar_ignore_default_pattern

Version 1.00 (dpkg 1.16.1)

    Mark the module as public.