

NAME

ExtUtils::Install - install files from here to there

SYNOPSIS

```
use ExtUtils::Install;

install({ 'blib/lib' => 'some/install/dir' } );

uninstall($packlist);

pm_to_blib({ 'lib/Foo/Bar.pm' => 'blib/lib/Foo/Bar.pm' });
```

DESCRIPTION

Handles the installing and uninstalling of perl modules, scripts, man pages, etc...

Both `install()` and `uninstall()` are specific to the way ExtUtils::MakeMaker handles the installation and deinstallation of perl modules. They are not designed as general purpose tools.

Functions

install

```
install(\%from_to);
install(\%from_to, $verbose, $dont_execute, $uninstall_shadows);
```

Copies each directory tree of `%from_to` to its corresponding value preserving timestamps and permissions.

There are two keys with a special meaning in the hash: "read" and "write". These contain packlist files. After the copying is done, `install()` will write the list of target files to `$from_to{write}`. If `$from_to{read}` is given the contents of this file will be merged into the written file. The read and the written file may be identical, but on AFS it is quite likely that people are installing to a different directory than the one where the files later appear.

If `$verbose` is true, will print out each file removed. Default is false. This is "make install VERBINST=1"

If `$dont_execute` is true it will only print what it was going to do without actually doing it. Default is false.

If `$uninstall_shadows` is true any differing versions throughout `@INC` will be uninstalled. This is "make install UNINST=1"

install_default *DISCOURAGED*

```
install_default();
install_default($fullext);
```

Calls `install()` with arguments to copy a module from `blib/` to the default site installation location.

`$fullext` is the name of the module converted to a directory (ie. `Foo::Bar` would be `Foo/Bar`). If `$fullext` is not specified, it will attempt to read it from `@ARGV`.

This is primarily useful for install scripts.

NOTE This function is not really useful because of the hard-coded install location with no way to control site vs core vs vendor directories and the strange way in which the module name is given. Consider its use discouraged.

uninstall

```
uninstall($packlist_file);
```

```
uninstall($packlist_file, $verbose, $dont_execute);
```

Removes the files listed in a `$packlist_file`.

If `$verbose` is true, will print out each file removed. Default is false.

If `$dont_execute` is true it will only print what it was going to do without actually doing it. Default is false.

pm_to_blib

```
pm_to_blib(\%from_to, $autosplit_dir);  
pm_to_blib(\%from_to, $autosplit_dir, $filter_cmd);
```

Copies each key of `%from_to` to its corresponding value efficiently. Filenames with the extension `.pm` are autosplit into the `$autosplit_dir`. Any destination directories are created.

`$filter_cmd` is an optional shell command to run each `.pm` file through prior to splitting and copying. Input is the contents of the module, output the new module contents.

You can have an environment variable `PERL_INSTALL_ROOT` set which will be prepended as a directory to each installed file (and directory).

_autosplit

From 1.0307 back, AutoSplit will sometimes leave an open filehandle to the file being split. This causes problems on systems with mandatory locking (ie. Windows). So we wrap it and close the filehandle.

ENVIRONMENT

PERL_INSTALL_ROOT

Will be prepended to each install path.

AUTHOR

Original author lost in the mists of time. Probably the same as Makemaker.

Currently maintained by Michael G Schwern schwern@pobox.com

Send patches and ideas to makemaker@perl.org.

Send bug reports via <http://rt.cpan.org/>. Please send your generated Makefile along with your report.

For more up-to-date information, see <http://www.makemaker.org>.

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See <http://www.perl.com/perl/misc/Artistic.html>