

## NAME

CPANPLUS::Config

## SYNOPSIS

```
### conf object via CPANPLUS::Backend;
$cb    = CPANPLUS::Backend->new;
$conf  = $cb->configure_object;

### or as a standalone object
$conf  = CPANPLUS::Configure->new;

### values in 'conf' section
$verbose = $conf->get_conf( 'verbose' );
$conf->set_conf( verbose => 1 );

### values in 'program' section
$editor  = $conf->get_program( 'editor' );
$conf->set_program( editor => '/bin/vi' );
```

## DESCRIPTION

This module contains defaults and heuristics for configuration information for CPANPLUS. To change any of these values, please see the documentation in `CPANPLUS::Configure`.

Below you'll find a list of configuration types and keys, and their meaning.

## CONFIGURATION

### Section 'conf'

#### hosts

An array ref containing hosts entries to be queried for packages.

An example entry would like this:

```
{    'scheme' => 'ftp',
    'path'   => '/pub/CPAN/',
    'host'   => 'ftp.cpan.org'
},
```

#### allow\_build\_interactivity

Boolean flag to indicate whether 'perl Makefile.PL' and similar are run interactively or not. Defaults to 'true'.

#### base

The directory CPANPLUS keeps all its build and state information in. Defaults to `~/.cpanplus`.

#### buildflags

Any flags to be passed to 'perl Build.PL'. See `perldoc Module::Build` for details. Defaults to an empty string.

#### cpantest

Boolean flag to indicate whether or not to mail test results of module installations to `http://testers.cpan.org`. Defaults to 'false'.

#### cpantest\_mx

String holding an explicit mailserver to use when sending out emails for

`http://testers.cpan.org`. An empty string will use your system settings. Defaults to an empty string.

#### debug

Boolean flag to enable or disable extensive debuggging information. Defaults to 'false'.

#### dist\_type

Default distribution type to use when building packages. See `cpan2dist` or `CPANPLUS::Dist` for details. An empty string will not use any package building software. Defaults to an empty string.

#### email

Email address to use for anonymous ftp access and as `from` address when sending emails. Defaults to an `example.com` address.

#### enable\_custom\_sources

Boolean flag indicating whether custom sources should be enabled or not. See the `CUSTOM MODULE SOURCES` in `CPANPLUS::Backend` for details on how to use them. Defaults to `true`

#### extractdir

String containing the directory where fetched archives should be extracted. An empty string will use a directory under your `base` directory. Defaults to an empty string.

#### fetchdir

String containing the directory where fetched archives should be stored. An empty string will use a directory under your `base` directory. Defaults to an empty string.

#### flush

Boolean indicating whether build failures, cache dirs etc should be flushed after every operation or not. Defaults to 'true'.

#### force

Boolean indicating whether files should be forcefully overwritten if they exist, modules should be installed when they fail tests, etc. Defaults to 'false'.

#### lib

An array ref holding directories to be added to `@INC` when CPANPLUS starts up. Defaults to an empty array reference.

#### makeflags

A string holding flags that will be passed to the `make` program when invoked. Defaults to an empty string.

#### makemakerflags

A string holding flags that will be passed to `perl Makefile.PL` when invoked. Defaults to an empty string.

#### md5

A boolean indicating whether or not md5 checks should be done when an archive is fetched. Defaults to 'true' if you have `Digest::MD5` installed, 'false' otherwise.

#### no\_update

A boolean indicating whether or not `CPANPLUS` source files should be updated or not. Defaults to 'false'.

**passive**

A boolean indicating whether or not to use passive ftp connections. Defaults to 'true'.

**prefer\_bin**

A boolean indicating whether or not to prefer command line programs over perl modules. Defaults to 'false' unless you do not have `Compress::Zlib` installed (as that would mean we could not extract `.tar.gz` files)

**prefer\_makefile**

A boolean indicating whether or not prefer a `Makefile.PL` over a `Build.PL` file if both are present. Defaults to 'true', unless the perl version is at least 5.10.1 or appropriate versions of *Module::Build* and *CPANPLUS::Dist::Build* are available.

**prereqs**

A digit indicating what to do when a package you are installing has a prerequisite. Options are:

```
0    Do not install
1    Install
2    Ask
3    Ignore   (dangerous, install will probably fail!)
```

The default is to ask.

**shell**

A string holding the shell class you wish to start up when starting CPANPLUS in interactive mode.

Defaults to `CPANPLUS::Shell::Default`, the default CPANPLUS shell.

**show\_startup\_tip**

A boolean indicating whether or not to show start up tips in the interactive shell. Defaults to 'true'.

**signature**

A boolean indicating whether or not check signatures if packages are signed. Defaults to 'true' if you have `gpg` or `Crypt::OpenPGP` installed, 'false' otherwise.

**skiptest**

A boolean indicating whether or not to skip tests when installing modules. Defaults to 'false'.

**storable**

A boolean indicating whether or not to use `Storable` to write compiled source file information to disk. This makes for faster startup and look up times, but takes extra disk space. Defaults to 'true' if you have `Storable` installed and 'false' if you don't.

**timeout**

Digit indicating the time before a fetch request times out (in seconds). Defaults to 300.

**verbose**

A boolean indicating whether or not CPANPLUS runs in verbose mode. Defaults to 'true' if you have the environment variable `PERL5_CPANPLUS_VERBOSE` set to true, 'false' otherwise.

It is recommended you run with verbose enabled, but it is disabled for historical reasons.

**write\_install\_log**

A boolean indicating whether or not to write install logs after installing a module using the interactive shell. Defaults to 'true'.

**source\_engine**

Class to use as the source engine, which is generally a subclass of `CPANPLUS::Internals::Source`. Default to `CPANPLUS::Internals::Source::Memory`.

**cpantest\_reporter\_args**

A hashref of key => value pairs that are passed to the constructor of `Test::Reporter`. If you'd want to enable TLS for example, you'd set it to:

```
{ transport      => 'Net::SMTP::TLS',
  transport_args => [ User => 'Joe', Password => '123' ],
}
```

**Section 'program'****editor**

A string holding the path to your editor of choice. Defaults to your `$ENV{EDITOR}`, `$ENV{VISUAL}`, 'vi' or 'pico' programs, in that order.

**make**

A string holding the path to your `make` binary. Looks for the `make` program used to build perl or failing that, a `make` in your path.

**pager**

A string holding the path to your pager of choice. Defaults to your `$ENV{PAGER}`, 'less' or 'more' programs, in that order.

**shell**

A string holding the path to your login shell of choice. Defaults to your `$ENV{SHELL}` setting, or `$ENV{COMSPEC}` on Windows.

**sudo**

A string holding the path to your `sudo` binary if your install path requires super user permissions. Looks for `sudo` in your path, or remains empty if you do not require super user permissions to install.

**perlwrapper**

A string holding the path to the `cpanp-run-perl` utility bundled with CPANPLUS, which is used to enable autoflushing in spawned processes.

**BUG REPORTS**

Please report bugs or other issues to <bug-cpanplus@rt.cpan.org>.

**AUTHOR**

This module by Jos Boumans <kane@cpan.org>.

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**SEE ALSO**

*CPANPLUS::Backend*, *CPANPLUS::Configure::Setup*, *CPANPLUS::Configure*