

NAME

CPANPLUS::Config - configuration defaults and heuristics for CPANPLUS

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'.

allow_unknown_prereqs

Boolean flag to indicate that unresolvable prereqs are acceptable. If `true` then only warnings will be issued (the behaviour before 0.9114) when a module is unresolvable from any our sources (CPAN and/or `custom_sources`). If `false` then an unresolvable prereq will fail during the `prepare` stage of distribution installation. 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 debugging 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 sha256 checks should be done when an archive is fetched. Defaults to 'true' if you have `Digest::SHA` 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**DEPRECATED**

A string holding the path to the `cpantest-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