

## NAME

CPANPLUS::Internals

## SYNOPSIS

```
my $internals    = CPANPLUS::Internals->_init( _conf => $conf );
my $backend      = CPANPLUS::Internals->_retrieve_id( $ID );
```

## DESCRIPTION

This module is the guts of CPANPLUS -- it inherits from all other modules in the CPANPLUS::Internals::\* namespace, thus defying normal rules of OO programming -- but if you're reading this, you already know what's going on ;)

Please read the CPANPLUS::Backend documentation for the normal API.

## ACCESSORS

`_conf`

Get/set the configure object

`_id`

Get/set the id

`_lib`

Get/set the current @INC path -- @INC is reset to this after each install.

`_perl5lib`

Get/set the current PERL5LIB environment variable -- \$ENV{PERL5LIB} is reset to this after each install.

## METHODS

**`$internals = CPANPLUS::Internals->_init( _conf => CONFIG_OBJ )`**

`_init` creates a new CPANPLUS::Internals object.

You have to pass it a valid CPANPLUS::Configure object.

Returns the object on success, or dies on failure.

**`$bool = $internals->_flush( list => \@caches )`**

Flushes the designated caches from the CPANPLUS object.

Returns true on success, false if one or more caches could not be flushed.

**`$bool = $internals->_register_callback( name => CALLBACK_NAME, code => CODEREF );`**

Registers a callback for later use by the internal libraries.

Here is a list of the currently used callbacks:

`install_prerequisite`

Is called when the user wants to be asked about what to do with prerequisites. Should return a boolean indicating true to install the prerequisite and false to skip it.

`send_test_report`

Is called when the user should be prompted if he wishes to send the test report. Should return a boolean indicating true to send the test report and false to skip it.

`munge_test_report`

Is called when the test report message has been composed, giving the user a chance to

programmatically alter it. Should return the (munged) message to be sent.

#### `edit_test_report`

Is called when the user should be prompted to edit test reports about to be sent out by `Test::Reporter`. Should return a boolean indicating true to edit the test report in an editor and false to skip it.

#### `proceed_on_test_failure`

Is called when 'make test' or 'Build test' fails. Should return a boolean indicating whether the install should continue even if the test failed.

#### `munge_dist_metafile`

Is called when the `CPANPLUS::Dist::*` metafile is created, like `control` for `CPANPLUS::Dist::Deb`, giving the user a chance to programmatically alter it. Should return the (munged) text to be written to the metafile.

### **`$bool = $internals->_add_to_includepath( directories => \@dirs )`**

Adds a list of directories to the include path. This means they get added to `@INC` as well as `$ENV{PERL5LIB}`.

Returns true on success, false on failure.

### **`$id = CPANPLUS::Internals->_last_id`**

Return the id of the last object stored.

### **`$id = CPANPLUS::Internals->_store_id( $internals )`**

Store this object; return its id.

### **`$obj = CPANPLUS::Internals->_retrieve_id( $ID )`**

Retrieve an object based on its ID -- return false on error.

### **`CPANPLUS::Internals->_remove_id( $ID )`**

Remove the object marked by \$ID from storage.

### **`@objs = CPANPLUS::Internals->_return_all_objects`**

Return all stored objects.