

NAME

CPANPLUS::Selfupdate - self-updating for CPANPLUS

SYNOPSIS

```
$su      = $cb->selfupdate_object;

@feats   = $su->list_features;
@feats   = $su->list_enabled_features;

@mods    = map { $su->modules_for_feature( $_ ) } @feats;
@mods    = $su->list_core_dependencies;
@mods    = $su->list_core_modules;

for ( @mods ) {
    print $_->name " should be version " . $_->version_required;
    print "Installed version is not uptodate!"
        unless $_->is_installed_version_sufficient;
}

$ok      = $su->selfupdate( update => 'all', latest => 0 );
```

METHODS

\$self = CPANPLUS::Selfupdate->new(\$backend_object);

Sets up a new selfupdate object. Called automatically when a new backend object is created.

@cat = \$self->list_categories

Returns a list of categories that the `selfupdate` method accepts.

See `selfupdate` for details.

%list = \$self->list_modules_to_update(update => "core|dependencies|enabled_features|features|all", [latest => BOOL])

List which modules `selfupdate` would upgrade. You can update either the core (CPANPLUS itself), the core dependencies, all features you have currently turned on, or all features available, or everything.

The `latest` option determines whether it should update to the latest version on CPAN, or if the minimal required version for CPANPLUS is good enough.

Returns a hash of feature names and lists of module objects to be upgraded based on the category you provided. For example:

```
%list = $self->list_modules_to_update( update => 'core' );
```

Would return:

```
( core => [ $module_object_for_cpanplus ] );
```

\$bool = \$self->selfupdate(update => "core|dependencies|enabled_features|features|all", [latest => BOOL, force => BOOL])

Selfupdate CPANPLUS. You can update either the core (CPANPLUS itself), the core dependencies, all features you have currently turned on, or all features available, or everything.

The `latest` option determines whether it should update to the latest version on CPAN, or if the

minimal required version for CPANPLUS is good enough.

Returns true on success, false on error.

@features = \$self->list_features

Returns a list of features that are supported by CPANPLUS.

@features = \$self->list_enabled_features

Returns a list of features that are enabled in your current CPANPLUS installation.

@mods = \$self->modules_for_feature(FEATURE [,AS_HASH])

Returns a list of `CPANPLUS::Selfupdate::Module` objects which represent the modules required to support this feature.

For a list of features, call the `list_features` method.

If the `AS_HASH` argument is provided, no module objects are returned, but a hashref where the keys are names of the modules, and values are their minimum versions.

@mods = \$self->list_core_dependencies([AS_HASH])

Returns a list of `CPANPLUS::Selfupdate::Module` objects which represent the modules that comprise the core dependencies of CPANPLUS.

If the `AS_HASH` argument is provided, no module objects are returned, but a hashref where the keys are names of the modules, and values are their minimum versions.

@mods = \$self->list_core_modules([AS_HASH])

Returns a list of `CPANPLUS::Selfupdate::Module` objects which represent the modules that comprise the core of CPANPLUS.

If the `AS_HASH` argument is provided, no module objects are returned, but a hashref where the keys are names of the modules, and values are their minimum versions.

CPANPLUS::Selfupdate::Module

`CPANPLUS::Selfupdate::Module` extends `CPANPLUS::Module` objects by providing accessors to aid in selfupdating CPANPLUS.

These objects are returned by all methods of `CPANPLUS::Selfupdate` that return module objects.

\$version = \$mod->version_required

Returns the version of this module required for CPANPLUS.

\$bool = \$mod->is_installed_version_sufficient

Returns true if the installed version of this module is sufficient for CPANPLUS, or false if it is not.

BUG REPORTS

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

AUTHOR

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