

**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**

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

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