

## NAME

CPANPLUS::Internals::Report - internals for sending test reports

## SYNOPSIS

```
### enable test reporting
$cb->configure_object->set_conf( cpantest => 1 );

### set custom mx host, shouldn't normally be needed
$cb->configure_object->set_conf( cpantest_mx => 'smtp.example.com' );
```

## DESCRIPTION

This module provides all the functionality to send test reports to <http://testers.cpan.org> using the `Test::Reporter` module.

All methods will be called automatically if you have CPANPLUS configured to enable test reporting (see the SYNOPSIS).

## METHODS

### **\$bool = \$cb->\_have\_query\_report\_modules**

This function checks if all the required modules are here for querying reports. It returns true and loads them if they are, or returns false otherwise.

### **\$bool = \$cb->\_have\_send\_report\_modules**

This function checks if all the required modules are here for sending reports. It returns true and loads them if they are, or returns false otherwise.

### **@list = \$cb->\_query\_report( module => \$modobj, [all\_versions => BOOL, verbose => BOOL] )**

This function queries the CPAN testers database at <http://testers.cpan.org/> for test results of specified module objects, module names or distributions.

The optional argument `all_versions` controls whether all versions of a given distribution should be grabbed. It defaults to false (fetching only reports for the current version).

Returns the a list with the following data structures (for CPANPLUS version 0.042) on success, or false on failure. The contents of the data structure depends on what <http://testers.cpan.org> returns, but generally looks like this:

```
{
  'grade' => 'PASS',
  'dist' => 'CPANPLUS-0.042',
  'platform' => 'i686-pld-linux-thread-multi'
  'details' =>
'http://nntp.x.perl.org/group/perl.cpan.testers/98316'
  ...
},
{
  'grade' => 'PASS',
  'dist' => 'CPANPLUS-0.042',
  'platform' => 'i686-linux-thread-multi'
  'details' =>
'http://nntp.x.perl.org/group/perl.cpan.testers/99416'
  ...
},
{
  'grade' => 'FAIL',
  'dist' => 'CPANPLUS-0.042',
```

```
        'platform' => 'cygwin-multi-64int',
        'details' =>
'http://nntp.x.perl.org/group/perl.cpan.testers/99371'
        ...
    },
    {
        'grade' => 'FAIL',
        'dist' => 'CPANPLUS-0.042',
        'platform' => 'i586-linux',
        'details' =>
'http://nntp.x.perl.org/group/perl.cpan.testers/99396'
        ...
    },
}
```

The status of the test can be one of the following: UNKNOWN, PASS, FAIL or NA (not applicable).

**`$bool = $cb->_send_report( module => $modobj, buffer => $make_output, failed => BOOL, [save => BOOL, address => $email_to, verbose => BOOL, force => BOOL]);`**

This function sends a testers report to `cpan-testers@perl.org` for a particular distribution. It returns true on success, and false on failure.

It takes the following options:

**module**

The module object of this particular distribution

**buffer**

The output buffer from the 'make/make test' process

**failed**

Boolean indicating if the 'make/make test' went wrong

**save**

Boolean indicating if the report should be saved locally instead of mailed out. If provided, this function will return the location the report was saved to, rather than a simple boolean 'TRUE'. Defaults to false.

**address**

The email address to mail the report for. You should never need to override this, but it might be useful for debugging purposes.

Defaults to `cpan-testers@perl.org`.

**verbose**

Boolean indicating on whether or not to be verbose.

Defaults to your configuration settings

**force**

Boolean indicating whether to force the sending, even if the max amount of reports for fails have already been reached, or if you may already have sent it before.

Defaults to your configuration settings