

**NAME**

Module::CoreList - what modules shipped with versions of perl

**SYNOPSIS**

```
use Module::CoreList;

print $Module::CoreList::version{5.00503}{CPAN}; # prints 1.48

print Module::CoreList->first_release('File::Spec');      # prints
5.00405
print Module::CoreList->first_release_by_date('File::Spec'); # prints
5.005
print Module::CoreList->first_release('File::Spec', 0.82); # prints
5.006001

print join ' ', ' ', Module::CoreList->find_modules(qr/Data/);
# prints 'Data::Dumper'
print join ' ', ' ', Module::CoreList->find_modules(qr/test::h.*::.*s/i,
5.008008);
# prints 'Test::Harness::Assert, Test::Harness::Straps'

print join ", ", "@{ $Module::CoreList::families{5.005} }";
# prints "5.005, 5.00503, 5.00504"
```

**DESCRIPTION**

Module::CoreList provides information on which core and dual-life modules shipped with each version of *perl*.

It provides a number of mechanisms for querying this information.

There is a utility called *corelist* provided with this module which is a convenient way of querying from the command-line.

There is a functional programming API available for programmers to query information.

Programmers may also query the contained hash structures to find relevant information.

**FUNCTIONS API**

These are the functions that are available, they may either be called as functions or class methods:

```
Module::CoreList::first_release('File::Spec'); # as a function
```

```
Module::CoreList->first_release('File::Spec'); # class method
```

```
first_release( MODULE )
```

Behaviour since version 2.11

Requires a MODULE name as an argument, returns the perl version when that module first appeared in core as ordered by perl version number or undef ( in scalar context ) or an empty list ( in list context ) if that module is not in core.

```
first_release_by_date( MODULE )
```

Requires a MODULE name as an argument, returns the perl version when that module first appeared in core as ordered by release date or undef ( in scalar context ) or an empty list ( in list context ) if that module is not in core.

`find_modules( REGEX, [ LIST OF PERLS ] )`

Takes a regex as an argument, returns a list of modules that match the regex given. If only a regex is provided applies to all modules in all perl versions. Optionally you may provide a list of perl versions to limit the regex search.

`find_version( PERL_VERSION )`

Takes a perl version as an argument. Returns that perl version if it exists or `undef` otherwise.

`is_deprecated( MODULE, PERL_VERSION )`

Available in version 2.22 and above.

Returns true if `MODULE` is marked as deprecated in `PERL_VERSION`. If `PERL_VERSION` is omitted, it defaults to the current version of Perl.

`removed_from( MODULE )`

Available in version 2.32 and above

Takes a module name as an argument, returns the first perl version where that module was removed from core. Returns `undef` if the given module was never in core or remains in core.

`removed_from_by_date( MODULE )`

Available in version 2.32 and above

Takes a module name as an argument, returns the first perl version by release date where that module was removed from core. Returns `undef` if the given module was never in core or remains in core.

## DATA STRUCTURES

These are the hash data structures that are available:

`%Module::CoreList::version`

A hash of hashes that is keyed on perl version as indicated in `$]`. The second level hash is `module => version` pairs.

Note, it is possible for the version of a module to be unspecified, whereby the value is `undef`, so use `exists $version{$foo}{$bar}` if that's what you're testing for.

Starting with 2.10, the special module name `Unicode` refers to the version of the Unicode Character Database bundled with Perl.

`%Module::CoreList::released`

Keyed on perl version this contains ISO formatted versions of the release dates, as gleaned from *perlhists*.

`%Module::CoreList::families`

New, in 1.96, a hash that clusters known perl releases by their major versions.

`%Module::CoreList::deprecated`

A hash of hashes keyed on perl version and on module name. If a module is defined it indicates that that module is deprecated in that perl version and is scheduled for removal from core at some future point.

`%Module::CoreList::upstream`

A hash that contains information on where patches should be directed for each core module.

`UPSTREAM` indicates where patches should go. `undef` implies that this hasn't been discussed for the module at hand. `blead` indicates that the copy of the module in the blead sources is to be considered canonical, `cpan` means that the module on CPAN is to be patched first. `first-come` means that blead can be patched freely if it is in sync with the latest release on CPAN.

`%Module::CoreList::bug_tracker`

A hash that contains information on the appropriate bug tracker for each core module.

BUGS is an email or url to post bug reports. For modules with UPSTREAM => 'blead', use `perl5-porters@perl.org`. `rt.cpan.org` appears to automatically provide a URL for CPAN modules; any value given here overrides the default:

`http://rt.cpan.org/Public/Dist/Display.html?Name=$ModuleName`

## CAVEATS

Module::CoreList currently covers the 5.000, 5.001, 5.002, 5.003\_07, 5.004, 5.004\_05, 5.005, 5.005\_03, 5.005\_04, 5.6.0, 5.6.1, 5.6.2, 5.7.3, 5.8.0, 5.8.1, 5.8.2, 5.8.3, 5.8.4, 5.8.5, 5.8.6, 5.8.7, 5.8.8, 5.8.9, 5.9.0, 5.9.1, 5.9.2, 5.9.3, 5.9.4, 5.9.5, 5.10.0, 5.10.1, 5.11.0, 5.11.1, 5.11.2, 5.11.3, 5.11.4, 5.11.5, 5.12.0, 5.12.1, 5.12.2, 5.12.3, 5.12.4, 5.13.0, 5.13.1, 5.13.2, 5.13.3, 5.13.4, 5.13.5, 5.13.6, 5.13.7, 5.13.8, 5.13.9, 5.13.10, 5.13.11, 5.14.0 and 5.14.1 releases of perl.

## HISTORY

Moved to Changes file.

## AUTHOR

Richard Clamp <[richardc@unixbeard.net](mailto:richardc@unixbeard.net)>

Currently maintained by the perl 5 porters <[perl5-porters@perl.org](mailto:perl5-porters@perl.org)>.

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## SEE ALSO

*corelist*, *Module::Info*, *perl*