

‘Only’



Managing multiple versions of modules

Installation

Makefile.PL style

```
cd MyModule-0.30
perl Makefile.PL
make test
perl -Monly=install # substitute for 'make install'
perl -Monly=install - version=0.33 versionlib=/home/tony/perlmods
Installing with Module::Build
```

When installing modules distributed with Module::Build, you can use the following commands to install into version specific libraries:

```
perl Build.PL
./Build
./Build versioninstall
```

For overrides:

```
perl Build.PL version=1.23 versionlib=/home/ingy/modules
./Build
./Build versioninstall
```

Usage

```
use only MODULE => CONDITION;  
use only MODULE => CONDITION, ARGUMENTS;  
use only MODULE =>  
    [ CONDITION1, ARGUMENTS1 ],  
    ...,  
    [ CONDITION7, ARGUMENTS7 ];  
use only { versionlib => '<version lib>' };  
use only { versionlib => '<version lib>' } MODULE => CONDITION, ARGUMENTS;
```

Object Oriented Interface

```
use only;  
my $only = only->new;  
$only->module('<Module>');  
$only->condition('<Version>');  
$only->include;  
use MyModule;  
$only->remove;
```

Examples

```
use only MyModule => '0.11';
use only MyModule => '0.11 0.15';
use only MyModule => '0.11-0.12';
use only MyModule => '0.13-';
use only MyModule => '-0.10';
use only MyModule => '-';    # Means any version
use only MyModule => '!0.10'; # Any version but 0.10
use only Inline => 0.44, 'Java'; # passing arguments
```

```
use only;
my $only;
BEGIN {
    $only = only->new->module('Good::Stuff')->condition('1.20-1.55')->include;
}
use Good::Stuff;
print "Using Good::Stuff version: " . $only->distribution_version . "\n";
...
$only->remove; # Remove object from @INC;
```

Why use Only ?

- ❖ Need to upgrade a module in a production environment when other systems are using the installed Perl
- ❖ Two versions of a Module are needed at the same time (e.g. DBD::Sybase)
- ❖ Safer module upgrade route - it is difficult to downgrade a module once upgraded - install upgraded module with **only** - and test it before upgrading the core module