

NAME

MooseX::Types::Combine – Combine type libraries for exporting

VERSION

version 0.50

SYNOPSIS

```
package CombinedTypeLib;

use base 'MooseX::Types::Combine';

__PACKAGE__->provide_types_from(qw/TypeLib1 TypeLib2/);

package UserClass;

use CombinedTypeLib qw/Type1 Type2 ... /;
```

DESCRIPTION

Allows you to create a single class that will allow you to export types from multiple type libraries:

```
package TransportTypes;

use base 'MooseX::Types::Combine';

__PACKAGE__->provide_types_from(qw/ MotorizedTypes UnmotorizedTypes /);

1;
```

In this example all types defined in `MotorizedTypes` and `UnmotorizedTypes` are available through the `TransportTypes` combined type library.

```
package SkiingTrip;

use Moose;

use TransportTypes qw( CarType SkisType );

has car => ( is => 'ro', isa => CarType, required => 1 );
has ski Rack => ( is => 'ro', isa => ArrayRef[SkisType], required => 1 );
...
```

Libraries on the right end of the list passed to “`provide_types_from`” take precedence over those on the left in case of conflicts. So, in the above example if both the `MotorizedTypes` and `UnmotorizedTypes` libraries provided a `Bike` type, you’d get the bicycle from `UnmotorizedTypes` not the motorbike from `MotorizedTypes`.

You can also further combine combined type libraries with additional type libraries or other combined type libraries in the same way to provide even larger type libraries:

```
package MeetingTransportTypes;

use base 'MooseX::Types::Combine';

__PACKAGE__->provide_types_from(qw/ TransportTypes TelepresenceTypes /);

1;
```

CLASS METHODS**`provide_types_from`**

Sets or returns a list of type libraries (or combined type libraries) to re-export from.

`type_names`

Returns a list of all known types by their name.



SEE ALSO

MooseX::Types

SUPPORT

Bugs may be submitted through the RT bug tracker <<https://rt.cpan.org/Public/Dist/Display.html?Name=MooseX-Types>> (or bug-MooseX-Types AT rt DOT cpan DOT org <<mailto:bug-MooseX-Types AT rt DOT cpan DOT org>>).

There is also a mailing list available for users of this distribution, at <<http://lists.perl.org/list/moose.html>>.

There is also an irc channel available for users of this distribution, at #moose on irc.perl.org <[irc://irc.perl.org/#moose](http://irc.perl.org/#moose)>.

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