

MooseX::Types::DateTime(3pm)    User Contributed Perl Documentation    MooseX::Types::DateTime(3pm)

**NAME**

MooseX::Types::DateTime – DateTime related constraints and coercions for Moose

**SYNOPSIS**

Export Example:

```

    use MooseX::Types::DateTime qw(TimeZone);

    has time_zone => (
        isa => TimeZone,
        is => "rw",
        coerce => 1,
    );

    Class->new( time_zone => "Africa/Timbuktu" );

```

Namespaced Example:

```

    use MooseX::Types::DateTime;

    has time_zone => (
        isa => 'DateTime::TimeZone',
        is => "rw",
        coerce => 1,
    );

    Class->new( time_zone => "Africa/Timbuktu" );

```

**DESCRIPTION**

This module packages several Moose::Util::TypeConstraints with coercions, designed to work with the DateTime suite of objects.

**CONSTRAINTS****DateTime**

A class type for DateTime.

from Num

Uses “from\_epoch” in DateTime. Floating values will be used for subsecond percision, see DateTime for details.

from HashRef

Calls “new” in DateTime with the hash entries as arguments.

**Duration**

A class type for DateTime::Duration

from Num

Uses “new” in DateTime::Duration and passes the number as the seconds argument.

Note that due to leap seconds, DST changes etc this may not do what you expect. For instance passing in 86400 is not always equivalent to one day, although there are that many seconds in a day. See “How Date Math is Done” in DateTime for more details.

from HashRef

Calls “new” in DateTime::Duration with the hash entries as arguments.

**DateTime::Locale**

A class type for DateTime::Locale::root with the name DateTime::Locale.

from Str

The string is treated as a language tag (e.g. en or he\_IL) and given to “load” in DateTime::Locale.

from Locale::Maktext

The Locale::Maketext/language\_tag attribute will be used with “load” in DateTime::Locale.



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### `DateTime::TimeZone`

A class type for `DateTime::TimeZone`.

from `Str`

Treated as a time zone name or offset. See “USAGE” in `DateTime::TimeZone` for more details on the allowed values.

Delegates to “new” in `DateTime::TimeZone` with the string as the name argument.

### SEE ALSO

`MooseX::Types::DateTimeX`

`DateTime`, `DateTimeX::Easy`

### VERSION CONTROL

This module is maintained using git. You can get the latest version from [git://github.com/nothingmuch/moosex-types-datetime.git](https://github.com/nothingmuch/moosex-types-datetime.git) <[git://github.com/nothingmuch/moosex-types-datetime.git](https://github.com/nothingmuch/moosex-types-datetime.git)>.

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### COPYRIGHT

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