



Rocky Enterprise Linux 9.2 Manual Pages on command 'Error::TypeTiny.3pm'

C:\>man Error::TypeTiny.3pm

Error::TypeTiny(3pm) User Contributed Perl Documentation Error::TypeTiny(3pm)

NAME

Error::TypeTiny - exceptions for Type::Tiny and friends

SYNOPSIS

```
use Data::Dumper;

use Try::Tiny;

use Types::Standard qw(Str);

try {
    Str->assert_valid(undef);
}

catch {
    my $exception = shift;
    warn "Encountered Error: $exception";
    warn Dumper($exception->explain)
        if $exception->isa("Error::TypeTiny::Assertion");
};
```

STATUS

This module is covered by the Type-Tiny stability policy.

DESCRIPTION

When `Type::Tiny` and its related modules encounter an error, they throw an exception object. These exception objects inherit from `Error::TypeTiny`.

Constructors

"new(%attributes)"

Moose-style constructor function.

"throw(%attributes)"

Constructs an exception and passes it to "die".

Automatically populates "context" and "stack_trace" if appropriate.

Attributes

"message"

The error message.

"context"

Hashref containing the package, file and line that generated the error.

"stack_trace"

A more complete stack trace. This feature requires `Devel::StackTrace`; use the `$StackTrace` package variable to switch it on.

Methods

"to_string"

Returns the message, followed by the context if it is set.

Functions

"Error::TypeTiny::croak(\$format, @args)"

Functional-style shortcut to "throw" method. Takes an "sprintf"-style format string and optional arguments to construct the "message".

Overloading

? Stringification is overloaded to call "to_string".

Package Variables

`%Error::TypeTiny::CarpInternal`

Serves a similar purpose to `%Carp::CarpInternal`.

`$Error::TypeTiny::StackTrace`

Boolean to toggle stack trace generation.

`$Error::TypeTiny::LastError`

A reference to the last exception object thrown.

CAVEATS

Although `Error::TypeTiny` objects are thrown for errors produced by `Type::Tiny`, that doesn't mean every time you use `Type::Tiny` you'll get `Error::TypeTiny`s whenever you want.

For example, if you use a `Type::Tiny` type constraint in a Moose attribute, Moose will not call the constraint's "assert_valid" method (which throws an exception). Instead it will call "check" and "get_message" (which do not), and will "confess" an error message of its own. (The `$LastError` package variable may save your bacon.)

BUGS

Please report any bugs to <http://rt.cpan.org/Dist/Display.html?Queue=Type-Tiny>.

SEE ALSO

`Error::TypeTiny::Assertion`, `Error::TypeTiny::WrongNumberOfParameters`.

`Try::Tiny`, `Try::Tiny::ByClass`.

Toby Inkster <tobyink@cpan.org>.

COPYRIGHT AND LICENCE

This software is copyright (c) 2013-2014, 2017-2019 by Toby Inkster.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

DISCLAIMER OF WARRANTIES

THIS PACKAGE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

perl v5.30.0

2019-12-28

Error::TypeTiny(3pm)