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

\$ 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::TypeTinys` 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 <<https://github.com/tobyink/p5-type-tiny/issues>>.

SEE ALSO

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

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

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