



Rocky Enterprise Linux 9.2 Manual Pages on command 'Type::Parser.3pm'

C:\>man Type::Parser.3pm

Type::Parser(3pm) User Contributed Perl Documentation Type::Parser(3pm)

NAME

Type::Parser - parse type constraint strings

SYNOPSIS

```
use v5.10;

use strict;

use warnings;

use Type::Parser qw( eval_type );

use Type::Registry;

my $reg = Type::Registry->for_me;
$reg->add_types("Types::Standard");

my $type = eval_type("Int | ArrayRef[Int]", $reg);

$type->check(10);      # true
$type->check([1..4]); # true
$type->check({foo=>1}); # false
```

STATUS

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

DESCRIPTION

Generally speaking, you probably don't want to be using this module directly.

Instead use the "lookup" method from `Type::Registry` which wraps it.

Functions

"`parse($string)`"

Parse the type constraint string into something like an AST.

If called in list context, also returns any "tail" found on the original string.

"`extract_type($string, $registry)`"

Compile a type constraint string into a `Type::Tiny` object.

If called in list context, also returns any "tail" found on the original string.

"`eval_type($string, $registry)`"

Compile a type constraint string into a `Type::Tiny` object.

Throws an error if the "tail" contains any non-whitespace character.

Constants

The following constants correspond to values returned by "`$token->type`".

"TYPE"

"QUOTELIKE"

"STRING"

"CLASS"

"L_BRACKET"

"R_BRACKET"

"COMMA"

"SLURPY"

"UNION"

"INTERSECT"

"NOT"

"L_PAREN"

"R_PAREN"

"MYSTERY"

BUGS

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

SEE ALSO

Type::Registry.

AUTHOR

Toby Inkster <tobyink@cpan.org>.

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