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

***\$ 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
```

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"

"HEXNUM"

"CLASS"

"L\_BRACKET"

"R\_BRACKET"

"COMMA"

"SLURPY"

"UNION"

"INTERSECT"

"NOT"

"L\_PAREN"

"R\_PAREN"

"MYSTERY"

## BUGS

Please report any bugs to <<https://github.com/tobyink/p5-type-tiny/issues>>.

## SEE ALSO

Type::Registry.

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