

NAME

Types::TypeTiny – type constraints used internally by Type::Tiny

STATUS

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

DESCRIPTION

Dogfooding.

This isn't a real Type::Library-based type library; that would involve too much circularity. But it exports some type constraints which, while designed for use within Type::Tiny, may be more generally useful.

Types

StringLike

Accepts strings and objects overloading stringification.

HashLike

Accepts hashrefs and objects overloading hashification.

ArrayLike

Accepts arrayrefs and objects overloading arrayfication.

CodeLike

Accepts coderefs and objects overloading codification.

TypeTiny

Accepts blessed Type::Tiny objects.

Coercion Functions

to_TypeTiny(\$constraint)

Promotes (or “demotes” if you prefer) a Moose::Meta::TypeConstraint object to a Type::Tiny object.

Can also handle Validation::Class objects. Type constraints built from Validation::Class objects deliberately *ignore* field filters when they do constraint checking (and go to great lengths to do so); using filters for coercion only. (The behaviour of `coerce` if we don't do that is just too weird!)

Can also handle any object providing `check` and `get_message` methods. (This includes Moose::Meta::TypeConstraint objects.) If the object also provides `has_coercion` and `coerce` methods, these will be used too.

Can also handle coderefs (but not blessed coderefs or objects overloading `&{ }`). Coderefs are expected to return true iff `$_` passes the constraint. If `$_` fails the type constraint, they may either return false, or die with a helpful error message.

Methods

These are implemented so that `Types::TypeTiny->meta->get_type($foo)` works, for rough compatibility with a real Type::Library type library.

meta

type_names

get_type(\$name)

has_type(\$name)

coercion_names

get_coercion(\$name)

has_coercion(\$name)

BUGS

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

SEE ALSO

Type::Tiny.

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