Package ‘blob’

January 20, 2020

Title A Simple S3 Class for Representing Vectors of Binary Data (‘BLOBS’)

Version 1.2.1

Description R’s raw vector is useful for storing a single binary object. What if you want to put a vector of them in a data frame? The ‘blob’ package provides the blob object, a list of raw vectors, suitable for use as a column in data frame.

License GPL-3

URL https://github.com/tidyverse/blob

BugReports https://github.com/tidyverse/blob/issues

Imports methods, rlang, vctrs (>= 0.2.1)

Suggests covr, crayon, pillar (>= 1.2.1), testthat

Encoding UTF-8

LazyData true

RoxygenNote 7.0.2

NeedsCompilation no

Author Hadley Wickham [aut], Kirill Müller [cre], RStudio [cph]

Maintainer Kirill Müller <krlmlr+r@mailbox.org>

Repository CRAN

Date/Publication 2020-01-20 22:50:02 UTC

R topics documented:

blob ................................................................. 2
vec_ptype2.blob .................................................... 3

Index 4
Construct a blob object

Description

`new_blob()` is a low-level constructor that takes a list of raw vectors. `blob()` constructs a blob from individual raw vectors. `as_blob()` and `is_blob()` are simple forwarders to `vctrs::vec_cast()` and `inherits()`, respectively.

Usage

```r
blob(...)  
new_blob(x = list())  
validate_blob(x)  
as_blob(x)  
is_blob(x)
```

Arguments

```r
...  
Individual raw vectors  
x  
A list of raw vectors, or other object to coerce
```

See Also

`as.blob()` for the legacy interface for specifying casts.

Examples

```r
x1 <- charToRaw("Good morning")  
x2 <- as.raw(c(0x48, 0x65, 0x6c, 0x6c, 0x6f))  
new_blob(list(x1, x2))  
blob(x1, x2)  
as.blob(c("Good morning", "Good evening"))
```
Description

Double dispatch methods to support `vctrs::vec_ptype2()`.

Usage

```r
## S3 method for class 'blob'
vec_ptype2(x, y, ..., x_arg = "", y_arg = "")
```

Arguments

- `x`: Vector types.
- `y`: Vector types.
- `...`: These dots are for future extensions and must be empty.
- `x_arg`: Argument names for `x` and `y`. These are used in error messages to inform the user about the locations of incompatible types (see `stop_incompatible_type()`).
- `y_arg`: Argument names for `x` and `y`. These are used in error messages to inform the user about the locations of incompatible types (see `stop_incompatible_type()`).
Index

as.blob(), 2
as_blob(blob), 2

blob, 2

inherits(), 2
is_blob(blob), 2

new_blob(blob), 2

stop_incompatible_type(), 3

validate_blob(blob), 2
vctrs::vec_cast(), 2
vctrs::vec_ptype2(), 3
vec_ptype2.blob, 3