Package: VarBundle (via r-universe)

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Type Package

Title Read-Only Variable Bundles

Version 0.3.0.9001

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Description Easily create list-like structures with constant, read-only variables. Combines the flexibility of lists with read-only fields. Supports defensive programming by throwing errors on field assignment, helping mitigate the introduction of logical runtime bugs. Compatibility updates by Renova.

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Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

Depends R (>= 3.5.0)

Imports R6 (>= 2.2.2), glue (>= 1.3.0), tibble (>= 1.4.2), magrittr (>= 1.5), dplyr (>= 0.7.6), stringr (>= 1.3.1), crayon (>= 1.3.4)

Suggests testthat (>= 2.0.0), purrr (>= 0.2.5), knitr (>= 1.20), rmarkdown (>= 1.10), readr (>= 1.1.1)

VignetteBuilder knitr

NeedsCompilation no

Config/pak/sysreqs libicu-dev

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Contents

field_names 2
print.VarBundle 2
varbundle 3

Index **4**

`field_names` *Names of VarBundle*

Description

Returns field names of VarBundle Object

Usage

```
field_names(x)
```

Arguments

`x`	(VarBundle)

Value

(character vector)

`print.VarBundle` *Print VarBundle*

Description

Prints a VarBundle object.

Usage

```
## S3 method for class 'VarBundle'
print(x, ...)
```

Arguments

`x`	(VarBundle)
`...`	(additional args)

varbundle *Create bundle of variables.*

Description

VarBundle objects store read-only variables in a list-like structure. Variable values can be accessed via the '$' operator (`vb$foobar`) or via field name(`vb[["foobar"]]`). After a VarBundle object has been created, new fields cannot be added and existing field values cannot be modified.

Field names can be accessed via `field_names`.

Simple VarBundle objects that only contain atomic, scalar values are useful for storing configuration information. The object method `$as.data.frame()` will return a data.frame version of the VarBundle. This can be persisted to disk and subsequently modified by the end user to change system parameters.

Usage

```
varbundle(x)
```

Arguments

x	(list or data.frame)

Value

(VarBundle)

Examples

```
# Access via $
sales <- varbundle(list(min = 1, max = 10))
sales$min

# Access via name
my_var <- field_names(sales)[1]
sales[[my_var]]

# Create data.frame
df <- sales$as.data.frame()

# Create VarBundle from data.frame
corp_sales <- varbundle(df)
class(corp_sales)
```

Index

field_names, 2, *3*

print.VarBundle, 2

varbundle, 3