

Package ‘mustashe’

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Type Package

Title Stash and Load Objects

Version 0.1.4

Description A simple system for saving and loading objects in R. Long running computations can be stashed after the first run and then reloaded the next time. Dependencies can be added to ensure that a computation is re-run if any of its dependencies or inputs have changed.

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URL <https://github.com/jhrcook/mustashe>
<https://jhrcook.github.io/mustashe/>

BugReports <https://github.com/jhrcook/mustashe/issues>

Imports digest (>= 0.6.0), formatR (>= 1.7), qs (>= 0.24.1), tibble (>= 2.1.0), here (>= 0.1.0)

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clear_stash	<i>Clear the stash</i>
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Description

Clears the hidden '.mustashe' directory.

Usage

```
clear_stash(verbose = TRUE)
```

Arguments

verbose Whether to print action statements (default TRUE).

Value

Returns NULL (invisibly).

Examples

```
clear_stash()
```

dont_use_here	<i>Stop using the 'here' package when writing stashes to file</i>
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Description

Stop using the `here::here()` function from the **'here'** package to create the file paths for stashed objects.

Usage

```
dont_use_here(silent = FALSE)
```

Arguments

`silent` A logical to silence the message from the function. (default FALSE)

Value

Returns NULL (invisibly).

Examples

```
dont_use_here()
```

mustashe

mustashe: Stash and Load Objects in R

Description

A simple system for saving and loading objects in R. Long running computations can be stashed after the first run and then reloaded the next time. Dependencies can be added to ensure that a computation is re-run if any of its dependencies or inputs have changed.

stash

Stash an object

Description

Stash an object after the first time it is created and re-load it the next time. If the code that generates the object is changed or any of its dependencies change, the code is re-evaluated and the new object is stashed.

Usage

```
stash(var, code, depends_on = NULL, functional = FALSE, verbose = TRUE)
```

Arguments

`var` A variable to stash (as a string).

`code` The code to generate the object to be stashed.

`depends_on` A vector of other objects that this one depends on. Changes to these objects will cause the re-running of the code, next time.

`functional` If TRUE, return the object rather than setting in the global environment (default FALSE).

`verbose` Whether to print action statements (default TRUE).

Value

Returns NULL (invisibly).

Examples

```
# A value that is used to create `rnd_vals`.
x <- 1e6 # The `<-` is not normally required, just for this example.

# Stash the results of the computation of `rnd_vals`.
stash("rnd_vals", depends_on = "x", {
  # Some long running computation.
  rnd_vals <- rnorm(x)
})

# Remove directory for this example - do not do in real use.
unlink(".mustache", recursive = TRUE)
```

unstash

Unstash an object

Description

Remove an object from the stash.

Usage

```
unstash(var, verbose = TRUE)
```

Arguments

var	The name or a vector of names of objects to remove.
verbose	Whether to print action statements (default TRUE).

Value

Returns NULL (invisibly).

Examples

```
stash("x", {
  x <- 1
})

unstash("x")
```

```
## # Remove directory for this example - do not do in real use.
unlink(".mustashe", recursive = TRUE)
```

use_here

Use the 'here' package when writing stashes to file

Description

Sets an option that tells `stash()` to write the stashed objects to a path created using the `here::here()` function from the **'here'** package: "The 'here' package creates paths relative to the top-level directory." It is particularly useful when using an RStudio project.

Usage

```
use_here(silent = FALSE)
```

Arguments

`silent` A logical to silence the message from the function. (default FALSE)

Details

Add `mustashe::use_here(silent = TRUE)` to your `.Rprofile` or setup code block in an R Markdown to set this feature automatically in the future.

Value

Returns NULL (invisibly).

Examples

```
use_here()
```

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