Package 'future.callr'

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Version 0.3.0

Depends R (>= 3.2.0), future (>= 1.8.1)

Imports callr (>= 2.0.2)

Suggests future.apply, listenv, markdown, R.rsp

VignetteBuilder R.rsp

Title A Future API for Parallel Processing using 'callr'

Description

Implementation of the Future API on top of the 'callr' package. This allows you to process futures, as defined by the 'future' package, in parallel out of the box, on your local (Linux, macOS, Windows, ...) machine. Contrary to backends relying on the 'parallel' package (e.g. 'future::multisession'), the 'callr' backend provided here can run more than 125 parallel R processes.

License LGPL (>= 2.1)

LazyLoad TRUE

URL https://github.com/HenrikBengtsson/future.callr

BugReports https://github.com/HenrikBengtsson/future.callr/issues

RoxygenNote 6.0.1

NeedsCompilation no

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R topics documented:

callr *callr futures*

Description

A callr future is an asynchronous multiprocess future that will be evaluated in a background R session.

Usage

```
callr(expr, envir = parent.frame(), substitute = TRUE, globals = TRUE,
  label = NULL, workers = availableCores(), ...)
```

Arguments

expr	The R expression to be evaluated.
envir	The environment in which global environment should be located.
substitute	Controls whether expr should be substitute():d or not.
globals	(optional) a logical, a character vector, a named list, or a globals::Globals object. If TRUE, globals are identified by code inspection based on expr and tweak searching from environment envir. If FALSE, no globals are used. If a character vector, then globals are identified by lookup based their names globals searching from environment envir. If a named list or a Globals object, the globals are used as is.
label	(optional) Label of the future.
workers	The number of processes to be available for concurrent callr futures.
...	Additional arguments passed to CallrFuture().

Details

callr futures rely on the **callr** package, which is supported on all operating systems.

Value

An object of class CallrFuture.

`future.callr` *future.callr: A Future for callr*

Description

The **future.callr** package implements the Future API on top of **callr**. The Future API is defined by the **future** package.

Details

To use callr futures, load **future.callr**, and select the type of future you wish to use, e.g. `plan(callr)`.

Examples

```
plan(callr)
demo("mandelbrot", package = "future", ask = FALSE)
```

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