Package ‘future.callr’

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Version 1.0.0

Depends R (>= 3.4.0), future (>= 1.58.0)

Imports parallelly, callr

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

VignetteBuilder R.rsp

Title A Future API for Parallel Processing using 'callr'

Description Implementation of the Future API <doi:10.32614/RJ-2021-048> 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') and socket connections, the 'callr' backend provided here can run more than 125 parallel R processes.

License Apache License (>= 2)

LazyLoad TRUE

URL https://future.callr.futureverse.org, https://github.com/futureverse/future.callr

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

Language en-US

Encoding UTF-8

Config/roxygen2/version 8.0.0

NeedsCompilation no

Author Henrik Bengtsson [aut, cre, cph] (ORCID: <https://orcid.org/0000-0002-7579-5165>)

Maintainer Henrik Bengtsson <henrikb@braju.com>

Repository CRAN

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`callr` *callr futures*

Description

WARNING: This function must never be called. It may only be used with `future::plan()`

Usage

```
callr(
  ...,
  workers = availableCores(),
  supervise = FALSE,
  envir = parent.frame()
)
```

Arguments

`workers`	The number of processes to be available for concurrent callr futures.
`supervise`	(optional) Argument passed to `callr::r_bg()`.
`envir`	The environment from where global objects should be identified.
`...`	Additional arguments passed to `Future()`.

Details

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

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(future.callr::callr)`.

Author(s)

Maintainer: Henrik Bengtsson <henrikb@braju.com> (ORCID) [copyright holder]

Authors:

- Henrik Bengtsson <henrikb@braju.com> (ORCID) [copyright holder]

See Also

Useful links:

- https://future.callr.futureverse.org
- https://github.com/futureverse/future.callr
- Report bugs at https://github.com/futureverse/future.callr/issues

Examples

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

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