Package 'downloadR'

August 29, 2021

Type Package

Title echoverse module: Single- and multi-threaded downloading functions

Version 0.99.0

Description echoverse module: Single- and multi-threaded downloading functions.

URL https://github.com/RajLabMSSM/downloadR

BugReports https://github.com/RajLabMSSM/downloadR/issues

Encoding UTF-8

LazyData false

Depends R (>= 3.6.0)

SystemRequirements Python (>= 3.7.0)

biocViews

Imports echoconda,
   utils,
   parallel

Suggests remotes,
   knitr,
   testthat (>= 3.0.0)

Remotes github::RajLabMSSM/echoconda

RoxygenNote 7.1.1

VignetteBuilder knitr

License GPL (>= 3) + file LICENSE

Config/testthat/edition 3

R topics documented:

1

downloader   *downloader wrapper*

Description

R wrapper for ″axel″ (multi-threaded) and ″download.file″ (single-threaded) download functions.

Usage

```
downloader(
  input_url,
  output_path = file.path(tempdir(), basename(input_url)),
  download_method = "axel",
  background = FALSE,
  force_overwrite = FALSE,
  quiet = TRUE,
  show_progress = TRUE,
  continue = TRUE,
  nThread = parallel::detectCores() - 1,
  alternate = TRUE,
  check_certificates = TRUE,
  timeout = 30 * 60
)
```

Arguments

input_url	input_url.
output_path	output_path.
download_method	
	″axel″ (multi-threaded) or ″download.file″ (single-threaded) .
background	Run in background
force_overwrite	
	Overwrite existing file.
quiet	Run quietly.
show_progress	show_progress.
continue	continue.
nThread	Number of threads to parallelize over.
alternate	alternate,
check_certificates	
	check_certificates
timeout	How many seconds before giving up on download. Passed to download.file. Default: 30*60 (30min).

Value

Local path to downloaded file.

See Also

Other downloaders: [axel](), [wget]()

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download_vcf   *Download a remote VCF file and its index file*

Description

Download a remote VCF file and its index file

Usage

```
download_vcf(
  vcf_url,
  vcf_dir = tempdir(),
  vcf_download = TRUE,
  download_method = "download.file",
  force_new = FALSE,
  quiet = TRUE,
  nThread = 1
)
```

Arguments

vcf_url	Remote URL to VCF file.
vcf_dir	Where to download VCF file.
download_method	
	"axel" (multi-threaded) or "download.file" (single-threaded) .
force_new	Overwrite a previously downloaded VCF with the same path name.
quiet	Run quietly.
nThread	Number of threads to parallelize over.

Value

List containing the paths to the downloaded VCF and its index file.

Examples

```
vcf_url <- "https://gwas.mrcieu.ac.uk/files/ieu-a-298/ieu-a-298.vcf.gz"
out_paths <- download_vcf(vcf_url = vcf_url)
```

load_rdata	load_rdata

Description

Load processed data (*.rda* format) using a function that assigns it to a specific variable (so you don't have to guess what the loaded variable name is).

Usage

```
load_rdata(fileName)
```

Arguments

fileName   Name of the file to load.

Index