

Package: slurmtools (via r-universe)

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Title slurm tooling

Version 0.1.4

Description What the package does (one paragraph).

License GPL (>= 3)

Encoding UTF-8

Roxygen list(markdown = TRUE)

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Imports brio, dplyr, fs, glue, jsonlite, processx, purrr, rlang,
tibble, utils, whisker, withr, here, cli, hms, lifecycle, log4r

Suggests knitr, rmarkdown, testthat (>= 3.0.0), bbr

Config/testthat/edition 3

VignetteBuilder knitr

Config/pak/sysreqs cmake make libuv1-dev

Repository <https://a2-ai.r-universe.dev>

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cancel_slurm_job	<i>Cancels a running job</i>
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Description

Cancels a running job

Usage

```
cancel_slurm_job(job_id, auto_confirm = FALSE)
```

Arguments

job_id	job id to cancel
auto_confirm	does not prompt user before cancelling job

Examples

```
## Not run:  
cancel_job(243)  
  
## End(Not run)
```

get_slurm_jobs	<i>Gets the jobs run on slurm as a tibble</i>
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Description

Gets the jobs run on slurm as a tibble

Usage

```
get_slurm_jobs(user = NULL)
```

Arguments

user	optional user name to filter jobs only submitted by user
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Value

a tibble containing the jobs submitted to slurm

Examples

```
## Not run:  
get_slurm_jobs()  
  
## End(Not run)
```

get_slurm_partitions *Gets the available slurm partitions the user can use.*

Description

Gets the available slurm partitions the user can use.

Usage

```
get_slurm_partitions(cache = TRUE)
```

Arguments

cache optional argument to forgo caching

Value

vector of available partitions

Examples

```
## Not run:
get_slurm_partitions

## End(Not run)
```

slurmtools *slurmtools: An R package for easily submitting NONMEM jobs to slurm.*

Description

This package aims to ease the submission and monitoring of NONMEM jobs running on slurm.

submitting jobs

- [submit_slurm_job](#): Submits a job to slurm

monitoring jobs

- [get_slurm_jobs](#): Gives a table of submitted jobs to slurm that shows status and other information given with squeue

cancelling jobs

- [cancel_slurm_job](#): Cancels the specified job

slurm partitions

- `get_slurm_partitions`: Gives a vector of available partitions a user can submit jobs to.

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submit_slurm_job	<i>submit a nonmem model to slurm in parallel</i>
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Description

submit a nonmem model to slurm in parallel

Usage

```
submit_slurm_job(
  .mod,
  partition = get_slurm_partitions(),
  ncpu = 1,
  overwrite = FALSE,
  dry_run = FALSE,
  ...,
  slurm_job_template_path = getOption("slurmtools.slurm_job_template_path"),
  submission_root = getOption("slurmtools.submission_root"),
  bbi_config_path = getOption("slurmtools.bbi_config_path"),
  slurm_template_opts = list()
)
```

Arguments

<code>.mod</code>	a path to a model or a bbi nonmem model object
<code>partition</code>	name of the partition to submit the model
<code>ncpu</code>	number of cpus to run the model against
<code>overwrite</code>	whether to overwrite existing model results
<code>dry_run</code>	return the command that would have been invoked, without invoking
<code>...</code>	arguments to pass to <code>processx::run</code>
<code>slurm_job_template_path</code>	path to slurm job template

submission_root
directory to track job submission scripts and output

bbi_config_path
path to bbi.yaml file for bbi configuration

slurm_template_opts
choose slurm template

toggle_logger	<i>Updates the logging level for functions. Default is set to WARN</i>
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Description

Updates the logging level for functions. Default is set to WARN

Usage

```
toggle_logger(quiet = FALSE)
```

Arguments

quiet suppresses messaging about log level.

Examples

```
## Not run:  
Sys.setenv("RPFY_VERBOSE" = "DEBUG")  
toggle_logger()  
  
## End(Not run)
```

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