Package ‘Certara.R’

October 12, 2022

Title  Easily Install Pharmacometric Packages and Shiny Applications
Developed by Certara

Version  1.0.0

Description  A convenient set of wrapper functions to install
pharmacometric packages and Shiny applications developed by Certara
PMX and Integrated Drug Development (iDD). The functions ensure the
successful installation of packages from non-standard repositories.

URL  https://github.com/certara/R-Certara

BugReports  https://github.com/certara/R-Certara/issues

Depends  R (>= 4.0)

License  LGPL-3

Encoding  UTF-8

RoxygenNote  7.1.2

Suggests  knitr, rmarkdown

Imports  batchtools (>= 0.9.9), data.table, dplyr, DT, ggplot2,
htmltools, jsonlite, magrittr, methods, plotly, reshape,
remotes, rlang, shiny, shinyjs, shinyWidgets, shinymaterial,
shinyjqui, sortable, ssh, utils, xml2

NeedsCompilation  no

Author  James Craig [aut, cre],
Certara USA, Inc. [cph, fnd]

Maintainer  James Craig <james.craig@certara.com>

Repository  CRAN

Date/Publication  2022-02-11 08:40:02 UTC

R topics documented:

certara_packages  .............................................................. 2
check_certara_package_versions  ......................................... 2
check_installed_certara_packages ........................................ 3
install_certara_packages .................................................. 4
remove_certara_packages .................................................. 4
## certara_packages

*List all packages developed by Certara*

### Description

List all packages developed by Certara

### Usage

```r
certara_packages(
  include_self = FALSE,
  include_github = TRUE,
  include_JFROG_deps = FALSE
)
```

### Arguments

- **include_self**
  Logical; Set to TRUE to include Certara.R
- **include_github**
  Logical; Set to TRUE to include packages only available on GitHub
- **include_JFROG_deps**
  Logical; Set to TRUE to include Certara package dependencies on Jfrog

### Value

Character vector of package names

### Examples

```r
certara_packages()
```

## check_certara_package_versions

*Check Certara package versions*

### Description

Check Certara package versions

### Usage

```r
check_certara_package_versions(pkgs)
```

### Arguments

- **pkgs**
  Character or character vector of package names. If missing, defaults to certara_packages()
Value

Named character vector indicating package version. NA is returned if Certara package is not installed

Examples

```r
## Not run:
check_certara_package_versions()

## End(Not run)
```

---

check_installed_certara_packages

*Check if Certara packages are installed*

Description

Check if Certara packages are installed

Usage

```r
check_installed_certara_packages(pkgs)
```

Arguments

- `pkgs` Character or character vector of package names. If missing, defaults to `certara_packages()`

Value

Named logical vector indicating whether Certara package is installed

Examples

```r
## Not run:
check_installed_certara_packages()

## End(Not run)
```
install_certara_packages

Install Certara packages

Description
A user friendly wrapper to easily install R packages and Shiny applications developed by Certara

Usage
install_certara_packages(
  CRAN_repo = "https://cloud.r-project.org",
  clean_install = FALSE,
  quiet = FALSE
)

Arguments
- CRAN_repo: Character; The URL of a CRAN mirror which defaults to "https://cloud.r-project.org"
- clean_install: Logical; Set to TRUE to remove all existing Certara packages prior to installing
- quiet: Logical; Set to TRUE to suppress installation messages and reduce console output

Value
TRUE if all packages successfully install

Examples
```r
## Not run:
install_certara_packages()
## End(Not run)
```

remove_certara_packages

Remove Certara packages

Description
A user friendly wrapper to easily remove R packages developed by Certara

Usage
remove_certara_packages()
remove_certara_packages

Value

TRUE if all packages successfully removed

Examples

## Not run:
remove_certara_packages()

## End(Not run)
Index

certara_packages. 2
check_certara_package_versions. 2
check_installed_certara_packages. 3
install_certara_packages. 4
remove_certara_packages. 4