Package ‘updateR’

March 27, 2018

Type Package

Title Update R in a desktop and server environment

Version 0.1.0

Description This package offers functions to copy libraries and Rprofile.site settings of an old R installation to a fresh installation and functions to maintain a miniCRAN repository that can be copied to a server environment with no internet connection. Functions of this package should with some exception never run inside an RStudio IDE because it requires manipulations of package installations that are automatically loaded by RStudio. Packages stored in the user's HOME directory will be ignored and the HOME directory will be removed from .libPaths() by a statement inside Rprofile.site.

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

License GPL-3

Imports miniCRAN

Suggests testthat

R topics documented:

check_internet *check for an internet connection*

Description

checks for an internet connection by reading the first line of a given url

Usage

```
check_internet(url = "http://www.google.com")
```

Arguments

`url`	character vector, Default: 'http://www.google.com'

Value

logical

Examples

```
check_internet()
```

check_libPaths *check .libPaths()*

Description

checks if .libPaths only points to one folder inside running R installation. Will throw an error if this is not the case.

Usage

```
check_libPaths()
```

Value

logical

Examples

```
## Not run:
check_libPaths()

## End(Not run)
```

check_no_of_tasks *check number of running tasks*

Description

searches a sstring returned by the system command tasklist for a task regex pattern. Returns the number of occurrences.

Usage

```
check_no_of_tasks(task_regex = c("rsession\\.exe", "Rgui\\.exe",
  "R\\.exe", "Rscript\\.exe", "Rcmd\\.exe"))
```

Arguments

`task_regex`	regex pattern for task, Default: 'rsession\.exe'

Value

integer, number of tasks

Examples

```
## Not run:
check_no_of_tasks()

## End(Not run)
```

check_RStudio *check if RStudio is running*

Description

checks Sys.getenv("RSTUDIO") == "1"

Usage

```
check_RStudio()
```

Value

logical

Examples

```
check_RStudio()
```

create_miniCRAN *create fresh miniCRAN from scratch*

Description

creates a fresh miniCRAN repository, usually not needed because a miniCRAN is already in place

Usage

```
create_miniCRAN(overwrite = F, path = "c:/miniCRAN",
  CRAN_repos = "https://cran.rstudio.com")
```

Arguments

`overwrite`	Default: F
`path`	path to miniCRAN repository

get_Rversion_from_path *get R version from path*

Description

R isntallation folder needs to have standard annotation R-X.X.X

Usage

```
get_Rversion_from_path(path = Sys.getenv("R_HOME"))
```

Arguments

`path,`	Default Sys.getenv('R_HOME')

Value

character vector 'X.X.X'

Examples

```
## Not run:
get_Rversion_from_path()

## End(Not run)
```

`get_user_input` *get user input necessary for update*

Description

used by update_from_old_inst() and update_new()

Usage

```
get_user_input()
```

Details

DETAILS

Value

dir_ls list()

path_new path of new R installation

path_old path of old R installation

path_miniCRAN path to miniCRAN repository

libs_new packages in new R installation

libs_old packages in old R installation

R_vers_run R version currently running

R_vers_new R version of new installation

R_vers_old R version of old installation

server logical, is server environment

can_internet logical, has internet connection

miniCRAN logical, is miniCRAN supposed to be used

Examples

```
## Not run:
if(interactive()){
 #EXAMPLE1
 }

## End(Not run)
```

`update_from_old_inst` *update new R installation based on old installation*

Description

needs to run on old R version, copies all packages from old installation, updates Rprofile.site and archives miniCRAN if run on server environment.

Usage

```
update_from_old_inst(dir_ls = get_user_input())
```

Arguments

`dir_ls`	list, Default: get_user_input()

`update_new_inst` *update new R installation*

Description

update new R installation, update all packages from either CRAN or miniCRAN. On desktop environment all packages not yet in miniCRAN are added. On server environment all missing packages from miniCRAN which are not yet installed will be installed.

Usage

```
update_new_inst(dir_ls = get_user_input(),
  CRAN_repos = "https://cran.rstudio.com")
```

Arguments

`dir_ls`	PARAM_DESCRIPTION, Default: get_user_input()

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

`pkgAvail`,`addPackage`

Examples

```
## Not run:
if(interactive()){
 #EXAMPLE1
 }

## End(Not run)
```

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