

Package ‘managelocalrepo’

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Type Package

Title Manage a CRAN-Style Local Repository

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Description This will allow easier management of a CRAN-style repository on local networks (i.e. not on CRAN). This might be necessary where hosted packages contain intellectual property owned by a corporation.

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Depends R (>= 3.0)

Imports stringr (>= 0.6.2), assertthat (>= 0.1), tools (>= 3.0)

NeedsCompilation no

Repository CRAN

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create_terminal_dir	Create terminal repo directory
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Description

This will create the required terminal directory in the repo.

Usage

```
create_terminal_dir(repo_base, version, type = "win", ...)
```

Arguments

repo_base	the path of the base of the repository tree. This will have the following child folders: repo_base/bin/ and repo_base/src/. A character vector of length one.
version	the version of R that the package should be made available for. This is not relevant when type is src. A character vector of length one.
type	should be "win" (default), "mac" or src for Windows binary, Mac binary and source package distributions respectively.
...	optional arguments to pass to file.path

Value

No return value. Will create directory if the directory does not exist. Otherwise it will return an error message.

References

[Setting up a package repository](#)

Examples

```
## Not run:
repo_base <- file.path(".")
version <- '3.0'
create_terminal_dir(repo_base, version)

## End(Not run)
```

full_repo_dir	<i>Determine the full path for local repo</i>
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Description

This will return the full file path of the terminal directory of a given repo type (and R version number as is appropriate).

Usage

```
full_repo_dir(repo_base, version, type = "win", ...)
```

Arguments

repo_base	the path of the base of the repository tree. This will have the following child folders: repo_base/bin/ and repo_base/src/. A character vector of length one.
version	the version of R that the package should be made available for. This is not relevant when type is src. A character vector of length one.
type	should be "win" (default), "mac" or src for Windows binary, Mac binary and source package distributions respectively.
...	optional arguments to pass to file.path

Value

Full path to the desired local repo's terminal directory.

References

[Setting up a package repository](#)

Examples

```
## Not run:
repo_base <- file.path(".")
version <- '3.0'
full_repo_dir(repo_base, version)

## End(Not run)
```

managelocalrepo	<i>Manage CRAN-like repo on local network</i>
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Description

This package will allow easier maintenance of CRAN-like repos on local networks (i.e. not on CRAN). This might be necessary where hosted packages contain intellectual property owned by a corporation.

quick_release_package *Quick release a package*

Description

This is builds on top of [release_package](#) and makes it quicker to release packages. The repo base directory can be specified in the `managelocalrepo.base` option. The directory in which the package file is located is assumed to be a "submissions" folder and can be specified in the `managelocalrepo.submissions` option. These options can be set using [options](#), potentially by using [.First](#)

Usage

```
quick_release_package(file_name, ...)
```

Arguments

<code>file_name</code>	the package's file name (not full path)
<code>...</code>	optional arguments to pass to release_package

Value

No return value. Will release a package to repo's terminal directory and update the index. Otherwise will return a suitable error message.

Examples

```
## Not run:
quick_release_package("test_package.zip")

## End(Not run)
```

release_package *Release a package to the local repo.*

Description

This will take a package from a given location and populate it to the relevant trees in the local repo. It will create terminal directories if needed.

Usage

```
release_package(package_location, repo_base, type = "win", version = "all",
  r_versions = c("2.15", "3.0", "3.1", "3.2"), ...)
```

Arguments

package_location	the full path to the package's file. This should be the package's file name represented by a character vector of length one.
repo_base	the base directory of the local repository represented by a character vector of length one.
type	the type of package file being released. Should be win (default), mac or src for Windows binary, Mac binary and source package distributions respectively.
version	determines which terminal directory to release the package file to, given a value for type that is either win or mac. Can also use "all" to release the package to all terminal directories for either win or mac. If type is src, then version is ignored, as this is not needed.
r_versions	a character vector of R versions. This is used to determine the terminal directories when type is "win" or "mac" and version is "all". Should follow the specifications set out in R Installation and Admin guide.
...	optional arguments to pass to file.path

Value

No return value. Will release a package to the desired local repo's terminal directory and update the relevant index file. Otherwise will return a suitable error message.

References

[Setting up a package repository](#)

Examples

```
## Not run:
package_location <- file.path(".", "submissions")
package_location <- file.path(package_location, "test_package.zip")
repo_base <- file.path(".")
release_package(package_location, repo_base)

## End(Not run)
```

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