Package 'foghorn'

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Title Summarize CRAN Check Results in the Terminal

Version 1.1.4

Description The CRAN check results and where your package stands in the CRAN submission queue in your R terminal.

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BugReports https://github.com/fmichonneau/foghorn/issues

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`check_cran_results` *Deprecated functions*

Description

Deprecated functions provided for back compatibility.

Usage

```
check_cran_results(...)
```

Arguments

`...`	see documentation for `cran_results` and `summary_cran_details`

`cran_details` *Get details about the CRAN check results for packages*

Description

Given the names of packages published on CRAN, return the output of checks that return notes, warnings or errors.

Usage

```
cran_details(pkg, src = c("website", "crandb"), ...)

## S3 method for class 'cran_details'
summary(object, show_log = TRUE, print_ok = TRUE, ...)

summary_cran_details(
  pkg,
  src = c("website", "crandb"),
  show_log = TRUE,
  print_ok = TRUE,
  ...
)
```

Arguments

pkg	character vector of the names for the packages on CRAN
src	if "website" the data is scrapped from the CRAN website, if "crandb" the data is downloaded from a RDS file hosted on the CRAN servers (which is used to generate the information found on the CRAN website).
...	additional arguments to control where the data from the check results are coming from and how they are downloaded from the CRAN servers (see Details section).
object	an object created by cran_details
show_log	Should the messages of the "Check Details" be printed? (logical)
print_ok	if TRUE the summary method will print a "all clear" message for package(s) that have an OK status for all CRAN checks.

Details

Where does the data come from?

The data comes from the CRAN servers. They generate RDS files that contains information regarding the results of the checks for all the packages, and all the flavors. This data is then used to generate the web pages.

foghorn provides access to either of these data sources. If you choose src = "website" the data is scrapped from the CRAN website. If you only need to check a few packages, this is a good option. If you choose src = "crandb" the RDS files (about 20Mb) are downloaded first from the CRAN servers.

When choosing src = "crandb" you can also specify the following options:

- dest a folder where to store the RDS files (tempdir() by default).
- protocol either https (default) or http.
- overwrite when FALSE (default), if the file exists in dest then it will not be downloaded again. When TRUE the file gets downloaded everytime it's needed.
- ... additional arguments that will be passed to GET function to control how the file will be downloaded.

Value

a tibble listing the names of the packages that have non- OK check results, the nature of the result (WARN, ERROR, FAIL, NOTE, or other issues).

See Also

Note that the tools package contains unexported functions that can be used to extract summary information from the check results. Specifically tools:::sumarize_CRAN_check_status is similar to show_cran_results.

`cran_incoming` *List packages in CRAN incoming queue.*

Description

Check where your package stands in the CRAN incoming queue.

Usage

```
cran_incoming(
  pkg = NULL,
  folders = c("newbies", "inspect", "pretest", "recheck", "pending", "publish",
    "archive", "waiting")
)
```

Arguments

`pkg`	Optionally provide a vector of package names to limit the results to these packages.
`folders`	Which folders of the CRAN FTP site do you want to inspect? Default: all the non-human folders.

Details

When submitting a package to CRAN, it undergoes a series of checks before it is published and publicly available. `cran_incoming()` allows you to check the packages that are currently in the queue, and the folder where they are located. This information could help you track your package submission. Only the following folders are considered (approximately in order of the CRAN queue sequence): `newbies`, `inspect`, `pretest`, `recheck`, `pending`, `waiting`, `publish`, `archive`. The folders named after the initials of the CRAN volunteers are not inspected.

Value

A `tibble` with the following columns:

package package name

version package version

cran_folder folder where the package was found

time date/time package was entered in the folder

Disclaimer

The information provided here is only to give you an indication of where your package stands in the submission process. It can be useful to confirm that your package has been correctly uploaded to CRAN. Please consult the CRAN Repository Policy if you have any questions.

Note

The meaning of the package folders is as follows (see Hornik, Ligges and Zeileis https://journal.r-project.org/archive/2018-1/cran.pdf and Uwe Ligges mailing list comment https://stat.ethz.ch/pipermail/r-package-devel/2019q1/003631.html):

newbies for first time submission; package will be manually inspected.

inspect package is awaiting manual inspection; always happens for first time submissions and for packages with problems that are likely to be false positives

pretest a human has triggered a new auto-check of the package

recheck package has passed checks and is waiting for reverse dependency checking

pending a CRAN team member has to do a closer inspection and needs more time

waiting CRAN's decision is waiting for a response from the package maintainer, e.g. when issues are present that CRAN cannot check for in the incoming checks

publish package is awaiting publication

archive package rejected: it does not pass the checks cleanly and the problems are unlikely to be false positives

References

- Hornik, Ligges and Zeileis. "Changes on CRAN: 2017-12-01 to 2018-06-30", R Journal 10(1), July 2018. https://journal.r-project.org/archive/2018-1/cran.pdf
- Maëlle Salmon, Locke Data, Stephanie Locke, Mitchell O'Hara-Wild, Hugo Gruson. "CRAN incoming dashboard", https://cransays.itsalocke.com/articles/dashboard.html

Examples

```
## Not run:
  ## all the packages in the CRAN incoming queue
  cran_incoming()
  ## if the package `foo` is in the queue, it will appear below
  cran_incoming(pkg = "foo")

## End(Not run)
```

---

cran_results *Table of the CRAN check results*

Description

Make a table that summarizes the results of the CRAN checks for a set of packages specified by a maintainer or by names.

Usage

```
cran_results(
  email = NULL,
  pkg = NULL,
  show = c("error", "fail", "warn", "note", "ok"),
  src = c("website", "crandb"),
  ...
)
```

Arguments

email	email address for package maintainers (character vector)
pkg	package names (character vector)
show	columns of the data frame to show (all are shown by default)
src	if "website" the data is scrapped from the CRAN website, if "crandb" the data is downloaded from a RDS file hosted on the CRAN servers (which is used to generate the information found on the CRAN website).
...	additional arguments to control where the data from the check results are coming from and how they are downloaded from the CRAN servers (see Details section).

Details

Given the email address of a package maintainer, and/or a vector of package names, returns a tibble that allows you to detect potential issues with your packages on CRAN.

Where does the data come from?

The data comes from the CRAN servers. They generate RDS files that contains information regarding the results of the checks for all the packages, and all the flavors. This data is then used to generate the web pages.

foghorn provides access to either of these data sources. If you choose src = "website" the data is scrapped from the CRAN website. If you only need to check a few packages, this is a good option. If you choose src = "crandb" the RDS files (about 20Mb) are downloaded first from the CRAN servers.

When choosing src = "crandb" you can also specify the following options:

- dest a folder where to store the RDS files (tempdir() by default).
- protocol either https (default) or http.
- overwrite when FALSE (default), if the file exists in dest then it will not be downloaded again. When TRUE the file gets downloaded everytime it's needed.
- ... additional arguments that will be passed to GET function to control how the file will be downloaded.

Value

a data frame that tabulates the number of CRAN platforms that return errors, warnings, notes, or OK for the packages.

See Also

Note that the `tools` package contains unexported functions that can be used to extract summary information from the check results. Specifically `tools:::sumarize_CRAN_check_status` is similar to `show_cran_results`.

Examples

```
if (curl::has_internet()) {
  cran_results(pkg="MASS")
}
```

`foghorn` *CRAN check results at the terminal*

Description

`foghorn` brings the results of the CRAN checks into your R terminal. This package is intended for developers that have published packages on CRAN. The results of the checks can be summarized as a tibble (see `cran_results`), or as "pretty" terminal output (see `summary_cran_results`). The package also provides functions to view the logs of the CRAN check results (see `cran_details`), or to visit the web pages hosted by CRAN (see `visit_cran_check`).

`summary_cran_results` *Summary of the CRAN check results*

Description

Given the email address of a package maintainer, and/or a vector of package names, it displays at the console a summary of the check results run on the CRAN platforms. This function is designed to be included in your .Rprofile to be run (periodically) at start up.

Usage

```
summary_cran_results(
  email = NULL,
  pkg = NULL,
  compact = FALSE,
  print_ok = TRUE,
  ...
)

## S3 method for class 'cran_results'
summary(object, compact = FALSE, print_ok = TRUE, ...)

show_cran_results(...)
```

Arguments

email	email address for package maintainers (character vector)
pkg	package names (character vector)
compact	if TRUE, all the packages with non-OK results are listed in a single line, otherwise they are listed on multiple lines.
print_ok	if TRUE the summary method will print a "all clear" message for package(s) that have an OK status for all CRAN checks.
...	additional arguments to control where the data from the check results are coming from and how they are downloaded from the CRAN servers (see Details section).
object	an object created by cran_results

Value

Prints the packages that return errors, warnings, and notes on the CRAN platforms. The number in parenthesis after the name of the packages indicates the number of CRAN platforms that produce these results.

Examples

```
## Not run:
   summary_cran_results(email = c("user1@company1.com", "user2@company2.com"))
   summary_cran_results(email = "user1@company1.com",
                        pkg = c("pkg1", "pkg2"))

## End(Not run)
```

---

visit_cran_check *Visit the CRAN check results page*

Description

Visit the page in your web browser for a given package or a maintainer's email address

Usage

```
visit_cran_check(pkg = NULL, email = NULL)
```

Arguments

pkg	name of the package to check the results for
email	email address of the package maintainer

Value

The URL from the CRAN check results page invisibly

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