Package ‘askpass’

September 3, 2023

Type Package

Title Password Entry Utilities for R, Git, and SSH

Version 1.2.0

Description Cross-platform utilities for prompting the user for credentials or a passphrase, for example to authenticate with a server or read a protected key. Includes native programs for MacOS and Windows, hence no ‘tcltk’ is required. Password entry can be invoked in two different ways: directly from R via the askpass() function, or indirectly as password-entry back-end for ‘ssh-agent’ or ‘git-credential’ via the SSH_ASKPASS and GIT_ASKPASS environment variables. Thereby the user can be prompted for credentials or a passphrase if needed when R calls out to git or ssh.

License MIT + file LICENSE

URL https://github.com/r-lib/askpass

BugReports https://github.com/r-lib/askpass/issues

Encoding UTF-8

Imports sys (>= 2.1)

RoxygenNote 7.2.3

Suggests testthat

Language en-US

NeedsCompilation yes

Author Jeroen Ooms [aut, cre] (<https://orcid.org/0000-0002-4035-0289>)

Maintainer Jeroen Ooms <jeroen@berkeley.edu>

Repository CRAN

Date/Publication 2023-09-03 20:00:02 UTC

R topics documented:

  askpass .......................................................... 2
  ssh_askpass ...................................................... 2

Index 3
askpass  Password Prompt Utility

Description
Prompt the user for a password to authenticate or read a protected key. By default, this function automatically uses the most appropriate method based on the user platform and front-end. Users or IDEs can override this and set a custom password entry function via the askpass option.

Usage
askpass(prompt = "Please enter your password: ")

Arguments
prompt the string printed when prompting the user for input.

Details
By default askpass() returns NULL in non-interactive sessions. (These include knitr runs and test-that tests.) If you want to force a password prompt in non-interactive sessions, set the rlib_interactive option to TRUE:

options(rlib_interactive = TRUE)

Examples

# Prompt user for passwd
pw <- askpass("Please enter your password")

ssh_askpass  ASKPASS CMD TOOL

Description
This returns the path to the native askpass executable which can be used by git-credential or ssh-agent. Most users don’t have worry about this.

Usage
ssh_askpass()

Details
On Windows and MacOS the package automatically sets the SSH_ASKPASS and GIT_ASKPASS variables on load (if not already set). If these are set you should be able to run e.g. sys::exec_wait("ssh-add") and you should be prompted for a passphrase if your key is protected.
Index

askpass, 2

ssh_askpass, 2