Package: svDialogstcltk (via r-universe)

October 10, 2026

Type Package

Version 1.0.1

Title 'SciViews::R' - Standard Dialog Boxes using Tcl/Tk

Description Reimplementation of the 'svDialogs' dialog boxes in Tcl/Tk.

Maintainer Philippe Grosjean <phgrosjean@sciviews.org>

Depends R (>= 2.6.0), svDialogs (>= 1.0.0), tcltk (>= 2.6.0)

Imports grDevices(>= 2.6.0), svGUI (>= 1.0.0), utils (>= 2.6.0)

Suggests covr (>= 3.5.0), knitr (>= 1.42), rmarkdown (>= 2.21), spelling (>= 2.2.1), testthat (>= 3.0.0)

License GPL-2

URL https://github.com/SciViews/svDialogstcltk, https://www.sciviews.org/svDialogstcltk/, https://sciviews.r-universe.dev/svDialogstcltk

BugReports https://github.com/SciViews/svDialogstcltk/issues

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

VignetteBuilder knitr

Encoding UTF-8

Language en-US

ByteCompile yes

Config/testthat/edition 3

Repository https://sciviews.r-universe.dev

Date/Publication 2025-08-29 06:09:03 UTC

RemoteUrl https://github.com/SciViews/svDialogstcltk

RemoteRef HEAD

RemoteSha 22d76f7430349183a24bc1f02bcb71c4d1f74216

Contents

svDialogstcltk-package 2
dlg_dir.tcltkGUI 3
dlg_input.tcltkGUI 4
dlg_list.tcltkGUI 5
dlg_message.tcltkGUI 6
dlg_open.tcltkGUI 7
dlg_save.tcltkGUI 8

Index **10**

`svDialogstcltk-package`

'SciViews::R' - Standard Dialog Boxes using Tcl/Tk

Description

Implementation of Tcl/Tk dialog boxes for {svDialogs}. When the package is loaded, it inserts a new `tcltkGUI` dependency in the `.GUI` object (if it is not defined yet). That way, every call to `.GUI` dispatches first to the current Tcl/Tk implementation of the dialog boxes. For your own, separate GUI (say called `myGUI`), you have to create the binding by yourself by calling `svGUI::gui_widgets(myGUI) <- "tcltkGUI"`.

Important functions

- `svDialogs::dlg_message()` display a message box,
- `svDialogs::dlg_input()` prompt for textual input,
- `svDialogs::dlg_list()` select one or more items in a list,
- `svDialogs::dlg_open()` open one or more existing file(s),
- `svDialogs::dlg_save()` prompt for a file to save to (and ask confirmation if the file already exists),
- `svDialogs::dlg_dir()` select a directory,

Author(s)

Maintainer: Philippe Grosjean <phgrosjean@sciviews.org> (ORCID)

See Also

Useful links:

- https://github.com/SciViews/svDialogstcltk
- https://www.sciviews.org/svDialogstcltk/
- https://sciviews.r-universe.dev/svDialogstcltk
- Report bugs at https://github.com/SciViews/svDialogstcltk/issues

dlg_dir.tcltkGUI *A Tcl/Tk version of the {svDialogs} directory selection dialog box*

Description

Select an existing directory, or create a new one.

Usage

```
## S3 method for class 'tcltkGUI'
dlg_dir(default = getwd(), title = "Choose a directory", ..., gui = .GUI)
```

Arguments

default	The path to the default directory that is proposed (e.g., current working directory).
title	A title to display on top of the dialog box.
...	Not used yet.
gui	The 'gui' object concerned by this dialog box.

Value

The path to the selected folder.

See Also

svDialogs::dlg_dir()

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# A quick default directory changer
setwd(dlg_dir(default = getwd())$res)

## End(Not run)
```

`dlg_input.tcltkGUI` *A Tcl/Tk version of the {svDialogs} input a string or value dialog box*

Description

Prompt for some data in a modal dialog box.

Usage

```
## S3 method for class 'tcltkGUI'
dlg_input(message = "Enter a value", default = "", ..., gui = .GUI)
```

Arguments

`message`	The message to display in the dialog box. Use `\\n` for line break, or provide a vector of character strings, one for each line.
`default`	The default value in the text box. Single string or `NULL`.
`...`	Not used yet.
`gui`	The 'gui' object concerned by this dialog box.

Value

The string the user wrote in the dialog box.

See Also

`svDialogs::dlg_input()`

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# Ask something...
user <- dlg_input("Who are you?", Sys.info()["user"])$res
if (!length(user)) {# The user clicked the 'cancel' button
  cat("OK, you prefer to stay anonymous!\n")
} else {
  cat("Hello", user, "\n")
}

## End(Not run)
```

`dlg_list.tcltkGUI` *A Tcl/Tk version of the {svDialogs} list selection dialog box*

Description

A Tcl/Tk version of the {svDialogs} list selection dialog box

Usage

```
## S3 method for class 'tcltkGUI'
dlg_list(
  choices,
  preselect = NULL,
  multiple = FALSE,
  title = NULL,
  ...,
  gui = .GUI
)
```

Arguments

`choices`	The list of items. It is coerced to character strings.
`preselect`	A list of preselections, or `NULL` (then, the first element is selected in the list). Preselections not in choices are tolerated (but they are ignored without warning or error).
`multiple`	Is it a multiple selection dialog box?
`title`	The title of the dialog box, or `NULL` to use a default title instead.
`...`	Not used yet.
`gui`	The 'gui' object concerned by this dialog box.

Value

A character vector with the items that were selected by the user.

See Also

`svDialogs::dlg_list()`

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# Select one or several months
res <- dlg_list(month.name, multiple = TRUE)$res
if (!length(res)) {
  cat("You cancelled the choice\n")
} else {
```

```
  cat("You selected:\n")
  print(res)
}

## End(Not run)
```

`dlg_message.tcltkGUI` *A Tcl/Tk version of the {svDialogs} message box*

Description

A Tcl/Tk version of the {svDialogs} message box

Usage

```
## S3 method for class 'tcltkGUI'
dlg_message(
  message,
  type = c("ok", "okcancel", "yesno", "yesnocancel"),
  ...,
  gui = .GUI
)
```

Arguments

`message`	The message to display in the dialog box.
`type`	The type of dialog box: `'ok'`, `'okcancel'`, `'yesno'` or `'yesnocancel'`.
`...`	Not used yet.
`gui`	The 'gui' object concerned by this dialog box.

Value

The button pressed by the user.

See Also

`svDialogs::dlg_message()`

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# A simple information box
dlg_message("Hello world!")$res

# Ask to continue
dlg_message(c("This is a long task!", "Continue?"), "okcancel")$res
```

```
# Ask a question
dlg_message("Do you like apples?", "yesno")$res

# Idem, but one can interrupt too
res <- dlg_message("Do you like oranges?", "yesnocancel")$res
if (res == "cancel")
  cat("Ah, ah! You refuse to answer!\n")

## End(Not run)
```

`dlg_open.tcltkGUI` *A Tcl/Tk version of the {svDialogs} file open dialog box*

Description

A Tcl/Tk version of the {svDialogs} file open dialog box

Usage

```
## S3 method for class 'tcltkGUI'
dlg_open(
  default = "",
  title = if (multiple) "Select files" else "Select file",
  multiple = FALSE,
  filters = dlg_filters["All", ],
  ...,
  gui = .GUI
)
```

Arguments

`default`	The default file to start with (use `/dir/*` or `/dir/*.*` to start in a given directory).
`title`	A title to display on top of the dialog box.
`multiple`	Is a multiple selection of files allowed?
`filters`	A specification of file filters as a `nx2` matrix, or a character string with even number of items. First items is the label, second one is the filter. See `dlg_filters` for examples. This is currently ignored on macOS and RStudio, since such kind of filter is defined differently there.
`...`	Not used yet.
`gui`	The 'gui' object concerned by this dialog box.

Value

The path to the file to open.

See Also

svDialogs::dlg_open()

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# Choose one R file
dlg_open(title = "Select one R file", filters = dlg_filters[c("R", "All"), ])$res
# Choose several files
dlg_open(multiple = TRUE)$res

## End(Not run)
```

---

dlg_save.tcltkGUI *A Tcl/Tk version of the {svDialogs} file save dialog box*

Description

A Tcl/Tk version of the {svDialogs} file save dialog box

Usage

```
## S3 method for class 'tcltkGUI'
dlg_save(
  default = "untitled",
  title = "Save file as",
  filters = dlg_filters["All", ],
  ...,
  gui = .GUI
)
```

Arguments

default	The default file to start with (use /dir/* or /dir/*.* to start in a given directory, but without predefined name).
title	A title to display on top of the dialog box.
filters	A specification of file filters as a nx2 matrix, or a character string with even number of items. First items is the label, second one is the filter. See dlg_filters for examples. This is currently ignored on MacOS, since such kind of filter is defined differently there.
...	Not used yet.
gui	The 'gui' object concerned by this dialog box.

Value

The path to the file to save to.

See Also

svDialogs::dlg_save()

Examples

```
library(svDialogstcltk) # Tcl/Tk dialog boxes are now used by default
## Not run:
# Choose one R filename to save some R script into it
dlg_save(title = "Save R script to", filters = dlg_filters[c("R", "All"), ])$res

## End(Not run)
```

Index

∗ **Modal dialog box**
dlg_dir.tcltkGUI, 3
dlg_input.tcltkGUI, 4
dlg_list.tcltkGUI, 5
dlg_message.tcltkGUI, 6
dlg_open.tcltkGUI, 7
dlg_save.tcltkGUI, 8
∗ **misc**
dlg_dir.tcltkGUI, 3
dlg_input.tcltkGUI, 4
dlg_list.tcltkGUI, 5
dlg_message.tcltkGUI, 6
dlg_open.tcltkGUI, 7
dlg_save.tcltkGUI, 8

dlg_dir.tcltkGUI, 3
dlg_input.tcltkGUI, 4
dlg_list.tcltkGUI, 5
dlg_message.tcltkGUI, 6
dlg_open.tcltkGUI, 7
dlg_save.tcltkGUI, 8

svDialogs::dlg_dir(), *2*, *3*
svDialogs::dlg_input(), *2*, *4*
svDialogs::dlg_list(), *2*, *5*
svDialogs::dlg_message(), *2*, *6*
svDialogs::dlg_open(), *2*, *8*
svDialogs::dlg_save(), *2*, *9*
svDialogstcltk
*(*svDialogstcltk-package*)*, 2
svDialogstcltk-package, 2