

# Package: **diff2** (via r-universe)

October 9, 2024

**Title** Display text file differences

**Version** 1.4

**Description** An R interface to the 'diff2html' JavaScript library (see <https://github.com/rtfpessoa/diff2html> for information). Based on the diff2 package by John Muschelli. Includes copies of javascript libraries jsdiff and diff2html.

**Imports** V8, htmlwidgets

**BugReports** <https://github.com/JanMarvin/diff2/issues>

**License** MIT + file LICENSE

**RoxygenNote** 7.3.1

**Language** en-US

**Encoding** UTF-8

**Remotes** JanMarvin/htmltools

**Repository** <https://janmarvin.r-universe.dev>

**RemoteUrl** <https://github.com/JanMarvin/diff2>

**RemoteRef** HEAD

**RemoteSha** 4d74112a27247258d0d65d391c513c20ab37000f

## Contents

create_diff . . . . .	2
diff2 . . . . .	2
diff2Output . . . . .	4

<b>Index</b>	<b>6</b>
--------------	----------

create\_diff                    *create a diff as character string*

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### Description

creates a diff of two text files. Based on jsdiff (BSD) javascript library by Kevin Decker. If character vectors are supplied, a diff will be created from them as well.

### Usage

```
create_diff(oldFile = NULL, newFile = NULL)
```

### Arguments

oldFile	old
newFile	new

### Examples

```
create_diff("foo\nbar", "foo\nbaz")
```

---

diffr2                    *View text file differences*

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### Description

Shows diff based on the diff2html (MIT) js library by Rodrigo Fernandes. Most of the option descriptions are from their github page.

### Usage

```
diffr2(  
  oldFile = NULL,  
  newFile = NULL,  
  diff = NULL,  
  width = NULL,  
  height = NULL,  
  synchronisedScroll = TRUE,  
  stickyFileHeaders = TRUE,  
  highlight = TRUE,  
  fileListToggle = TRUE,  
  fileListStartVisible = FALSE,  
  fileContentToggle = TRUE,  
  outputFormat = "line-by-line",
```

```

drawFileList = TRUE,
diffMaxChanges = NA,
diffMaxLineLength = NA,
matching = "none",
matchWordsThreshold = 0.25,
maxLineLengthHighlight = 10000,
diffStyle = "word",
renderNothingWhenEmpty = FALSE,
matchingMaxComparisons = 2500,
maxLineSizeInBlockForComparison = 200,
divname = "htmlwidget_container",
colorScheme = "auto"
)

```

### Arguments

oldFile	Your reference file (the old file). Either a path or a character.
newFile	Your comparison file (the new file). Either a path or a character.
diff	Alternatively you can provide your diff file. Either a path or a character. If provided, it overrides oldFile & newFile diff.
width	for <code>createWidget</code>
height	for <code>createWidget</code>
synchronisedScroll	scroll both panes in side-by-side mode: TRUE or FALSE, default is TRUE
stickyFileHeaders	make file headers sticky: TRUE or FALSE, default is TRUE
highlight	syntax highlight the code on the diff: TRUE or FALSE, default is TRUE
fileListToggle	allow the file summary list to be toggled: TRUE or FALSE, default is TRUE
fileListStartVisible	choose if the file summary list starts visible: TRUE or FALSE, default is FALSE
fileContentToggle	allow each file contents to be toggled: TRUE or FALSE, default is TRUE
outputFormat	the format of the output data: 'line-by-line' or 'side-by-side', default is 'line-by-line'
drawFileList	show a file list before the diff: TRUE or FALSE, default is TRUE
diffMaxChanges	number of changed lines after which a file diff is deemed as too big and not displayed, default is undefined
diffMaxLineLength	number of characters in a diff line after which a file diff is deemed as too big and not displayed, default is undefined
matching	matching level: 'lines' for matching lines, 'words' for matching lines and words or 'none', default is none
matchWordsThreshold	similarity threshold for word matching, default is 0.25

maxLineLengthHighlight	only perform diff changes highlight if lines are smaller than this, default is 10000
diffStyle	show differences level in each line: 'word' or 'char', default is 'word'
renderNothingWhenEmpty	render nothing if the diff shows no change in its comparison: TRUE or FALSE, default is FALSE
matchingMaxComparisons	perform at most this much comparisons for line matching a block of changes, default is 2500
maxLineSizeInBlockForComparison	maximum number of characters of the bigger line in a block to apply comparison, default is 200
divname	the default is 'htmlwidget_container', for shiny it must match the 'output\$divname'
colorScheme	color scheme to use for the diff, default is 'auto'. Possible values are light, dark, and auto which will use the browser's preferred color scheme.

### Examples

```
library(diffr2)
file1 = tempfile()
writeLines("hello, world!\n", con = file1)
file2 = tempfile()
writeLines(paste0(
  "hello world?\nI don't get it\n",
  paste0(sample(letters, 65, replace = TRUE), collapse = "")), con = file2)
diffr2(file1, file2)
```

---

diffr2Output

*Wrapper functions for using **diffr2** in shiny*

---

### Description

Use `diffr2Output()` to create a UI element, and `renderDiffr2()` to render the diffr2 widget.

### Usage

```
diffr2Output(outputId, width = "100%", height = "400px")
```

```
renderDiffr2(expr, env = parent.frame(), quoted = FALSE)
```

### Arguments

outputId	output variable to read from
width, height	the width and height of the diffr2 widget
expr	An expression that generates an HTML widget (or a <b>promise</b> of an HTML widget).
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression (with <code>quote()</code> )? This is useful if you want to save an expression in a variable.

**Details**

When calling `renderDiffr2()` make sure that `divname` matches the selected shiny output name. The div name is used to attach the `diff2html` output. Otherwise the canvas will be blank.

# Index

`create_diff`, [2](#)  
`createWidget`, [3](#)

`diffr2`, [2](#)  
`diffr2Output`, [4](#)

`renderDiffr2 (diffr2Output)`, [4](#)