

# Package: directotree (via r-universe)

September 11, 2024

**Type** Package

**Title** Creates an Interactive Tree Structure of a Directory

**Version** 1.0.0

**Description** Represents the content of a directory as an interactive collapsible tree. Offers the possibility to assign a text (e.g., a 'Readme.txt') to each folder (represented as a clickable node), so that when the user hovers the pointer over a node, the corresponding text is displayed as a tooltip.

**Depends** R (>= 3.0.0)

**License** GPL (>= 3)

**Encoding** UTF-8

**Imports** collapsibleTree (>= 0.1.6), data.tree (>= 0.7.6)

**LazyData** true

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

**RemoteUrl** <https://github.com/louissirugue/directotree>

**RemoteRef** HEAD

**RemoteSha** a481161b0500d0ed46fdd5b48e1ff9f8b7e39e28

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## Description

Represents the content of a directory as an interactive collapsible tree. Offers the possibility to assign a text (e.g., a 'Readme.txt') to each folder (represented as a clickable node), so that when the user hovers the pointer over a node, the corresponding text is displayed as a tooltip.

**Usage**

```
directotree(yourPath, showWd = FALSE, warnMe = FALSE, addReadme = FALSE,
            attributeName = '', hiddenFiles = c('Thumbs.db'), showRawTree = FALSE,
            showCollapsibleTree = TRUE, tooltip = FALSE, linkLength = 150,
            collapsed = TRUE, zoomable = TRUE, width = 1240, height = 700,
            fontSize = 15, fill = 'lightblue', nodeSize = 'leafCount')
```

**Arguments**

<code>yourPath</code>	The path of the directory you want to build a interactive representation of. It must be a string, and make sure to use / instead of \.
<code>showWd</code>	If TRUE, R prints each directory it goes in to attach files/folders to the parent node.
<code>warnMe</code>	If TRUE, R prints a Warning when an empty folder is detected, and indicates its location.
<code>addReadme</code>	If TRUE, the content of the files whose name must be specified in <code>attributeName</code> , will be attached to each corresponding folder. For instance, if in some subfolders of <code>yourPath</code> , some <code>Readme.txt</code> files describe the content of the said folders, by setting <code>addReadme</code> to TRUE and <code>attributeName</code> to <code>'Readme.txt'</code> , the description written in the <code>Readme.txt</code> files will be attached to the nodes of the corresponding folders as a tooltip (tooltip must be set to TRUE).
<code>attributeName</code>	If <code>addReadme</code> is set to TRUE, <code>attributeName</code> must be filled with the name of the files whose content should be displayed as tooltips (e.i., <code>'Readme.txt'</code> , <code>'README.txt'</code> , <code>'info.txt'</code> , etc.).
<code>hiddenFiles</code>	Vector of strings that must contain the names of the files that must not be displayed in the tree. For instance, you may want to display the content of some <code>'Readme.txt'</code> files as tooltips, without them being showed as leaves of the tree.
<code>showRawTree</code>	If TRUE, the tree structure is printed in the console.
<code>showCollapsibleTree</code>	If TRUE, calls the <code>collapsibleTree</code> function to build the interactive tree.
<code>tooltip</code>	If TRUE, it shows the node's label and attribute value.
<code>linkLength</code>	Length of the horizontal links that connect nodes in pixels.
<code>collapsed</code>	If TRUE, the tree's children will start collapsed by default.
<code>zoomable</code>	Pan and zoom by dragging and scrolling.
<code>width</code>	Width in pixels.
<code>height</code>	Height in pixels.
<code>fontSize</code>	Font size of the label text in pixels.
<code>fill</code>	A tree attribute containing the color for each node.
<code>nodeSize</code>	Numeric column that will be used to determine relative node size. <code>'leafCount'</code> (cumulative count of a node's children), or <code>'count'</code> (count of node's immediate children) can also be used.

**Author(s)**

Louis Sirugue

**See Also**

<<https://cran.r-project.org/web/packages/data.tree/data.tree.pdf>>

<<https://cran.r-project.org/web/packages/collapsibleTree/collapsibleTree.pdf>>

**Examples**

```
directotree(getwd(), addReadme = FALSE, tooltip = FALSE, showRawTree = FALSE,  
showCollapsibleTree = TRUE, hiddenFiles = c('Readme.txt', 'Thumbs.db'))
```

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