

Package ‘convertGraph’

October 12, 2022

Type Package

Title Convert Graphical Files Format

Version 0.1

Date 2016-04-06

Author E. F. Haghish

Maintainer E. F. Haghish <haghish@imada.sdu.dk>

Description Converts graphical file formats (SVG, PNG, JPEG, BMP, GIF, PDF, etc) to one another. The exceptions are the SVG file format that can only be converted to other formats and in contrast, PDF format, which can only be created from others graphical formats. The main purpose of the package was to provide a solution for converting SVG file format to PNG which is often needed for exporting graphical files produced by R widgets.

URL <http://github.com/haghish/convertGraph>

BugReports <http://github.com/haghish/convertGraph>

Imports tools

NeedsCompilation no

License MIT + file LICENSE

Repository CRAN

RoxygenNote 5.0.1

Date/Publication 2016-04-16 19:48:40

R topics documented:

convertGraph	2
install.phantom	3

Index	5
--------------	----------

`convertGraph`*Convert Graphical Files Format*

Description

Converts graphical file formats (SVG, PNG, JPEG, BMP, GIF, PDF, etc) to one another. The exceptions are the SVG file format that can only be converted to other formats and in contrast, PDF format, which can only be created from others graphical formats. The main purpose of the package was to provide a solution for converting SVG file format to PNG which is often needed for exporting graphical files produced by R widgets.

Usage

```
convertGraph(from, to, size = 1.0, path = NULL)
```

Arguments

<code>from</code>	The graphical source file
<code>to</code>	The file name and extension of the converted file
<code>size</code>	Enlarge the converted graphical file by magnifying its resolution with the given number
<code>path</code>	Path to executable 'phantomJS' binary, downloadable from http://phantomjs.org/download.html

Value

Converts the given graphical file to the specified file format.

Author(s)

E. F. Haghish
Medical Informatics and Biostatistics (IMBI)
University of Freiburg, Germany
<haghish@imbi.uni-freiburg.de>

Department of Mathematics and Computer Science
University of Southern Denmark
<haghish@imada.sdu.dk>

Examples

```
## Not run:  
#convert SVG to PNG  
convertGraph("./example.svg", "./example.png", path = "path to executable phantomJS" )  
  
#convert PNG to JPEG  
convertGraph("./example.png", "./example.jpeg", path = "path to executable phantomJS" )
```

```
#convert JPEG to PDF
convertGraph("./example.jpeg", "./example.pdf", path = "path to executable phantomJS" )

## End(Not run)
```

install.phantom	<i>Saves Absolute Path to PhantomJS</i>
-----------------	---

Description

takes the path to executable 'phantomJS' binary and memorizes its absolute path for future calls. PhantomJS binary can be downloaded from <http://phantomjs.org/download.html>

Usage

```
install.phantom(path)
```

Arguments

path	Path to executable 'phantomJS' binary, downloadable from http://phantomjs.org/download.html
------	--

Value

The function does not return anything

Author(s)

E. F. Haghish
Medical Informatics and Biostatistics (IMBI)
University of Freiburg, Germany
<haghish@imbi.uni-freiburg.de>

Department of Mathematics and Computer Science
University of Southern Denmark
<haghish@imada.sdu.dk>

Examples

```
## Not run:
#save the absolute path to phantomJS by giving relative path
install.phantom("./bin/phantomjs")

#save the absolute path to phantomJS
install.phantom("c:\\phantomjs\\bin\\phantomjs")

#convert JPEG to PDF
```

```
convertGraph("./example.jpeg", "./example.pdf", path = "path to executable phantomJS" )
```

```
## End(Not run)
```

Index

- * **BMP**
 - convertGraph, 2
 - * **GIF**
 - convertGraph, 2
 - * **JPEG**
 - convertGraph, 2
 - * **PDF**
 - convertGraph, 2
 - * **PNG**
 - convertGraph, 2
 - * **PhantomJS**
 - install.phantom, 3
 - * **SVG**
 - convertGraph, 2
 - * **diagram**
 - convertGraph, 2
 - * **graphics**
 - convertGraph, 2
 - * **literate**
 - convertGraph, 2
 - * **plot**
 - convertGraph, 2
 - * **visualization**
 - convertGraph, 2
- convertGraph, 2
- install.phantom, 3