Package ‘fidelius’

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Title Browser-Side Password-Protected HTML Documents

Version 0.0.2

Description Create secure, encrypted, and password-protected static HTML documents that include the machinery for secure in-browser authentication and decryption.

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URL https://mattwarkentin.github.io/fidelius/, https://github.com/mattwarkentin/fidelius

BugReports https://github.com/mattwarkentin/fidelius/issues

Encoding UTF-8

RoxygenNote 7.1.2

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NeedsCompilation no

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charm *Password protect a document*

Description

Encrypt and password protect an HTML document.

Usage

```
charm(
  input,
  password,
  hint = NULL,
  output = NULL,
  style = stylize(),
  bundle = FALSE,
  minified = TRUE,
  ...
)
```

Arguments

`input`	Path to an R Markdown or HTML file.
`password`	Private password to unlock file. If not provided, you will be asked to supply a password by a prompt if you are working from an interactive session.
`hint`	Optional public password hint.
`output`	Override the name of the output file.
`style`	Object returned from `stylize()`.
`bundle`	Logical. Should all of the decryption machinery and dependencies be bundled into the HTML document? Default is `FALSE`.
`minified`	Logical. Should minified versions of JavaScript dependencies be included? Default is `TRUE`.
`...`	Arguments passed on to `rmarkdown::render()`.

Value

`input`, invisibly.

Note

Using `bundle = TRUE` only applies to bundling the decryption machinery and dependencies for the document generated by `charm()`. It is still the users responsibility to decide on whether `input` is self-contained by passing `self_contained = TRUE` to `rmarkdown::render()` using `...`, or by specifying `self_contained: true` in the YAML header of `input`.

Examples

```
## Not run:
charm("input.Rmd")

charm("input.Rmd", password = "pw1234!")

## End(Not run)
```

`html_password_protected`

Password protected HTML document

Description

An R Markdown output format to encrypt and password protect an HTML document using `charm()`. `secret_keeper()` is an alias for `html_password_protected`.

Usage

```
html_password_protected(
  output_format = "rmarkdown::html_document",
  password,
  hint = NULL,
  style = list(),
  bundle = FALSE,
  minified = TRUE,
  preview = FALSE,
  ...
)

secret_keeper(
  output_format = "rmarkdown::html_document",
  password,
  hint = NULL,
  style = list(),
  bundle = FALSE,
  minified = TRUE,
  preview = FALSE,
  ...
)
```

Arguments

`output_format` An R Markdown format that renders to HTML. By default, will render to the standard `rmarkdown::html_document()` format. You may pass any arguments to your `output_format` as shown below:

```
---
output:
  fidelius::html_password_protected:
    output_format:
      rmarkdown::html_document:
        toc: true
---
```

password — Private password to unlock file. If not provided, you will be asked to supply a password by a prompt if you are working from an interactive session.

hint — Optional public password hint.

style — Any number of style options that are configurable via `stylize()`. For example:

```
output:
  fidelius::html_password_protected:
    style:
      button_text: "Open Sesame!"
```

bundle — Logical. Should all of the decryption machinery and dependencies be bundled into the HTML document? Default is `FALSE`.

minified — Logical. Should minified versions of JavaScript dependencies be included? Default is `TRUE`.

preview — Logical. Set to `FALSE` to bypass the encryption and password protection to render the HTML document specified by `output_format`. See Notes for more details.

... — Not currently used.

Value

R Markdown output format based on `output_format` to pass to `rmarkdown::render()`.

Note

If you hard-code your `password` into the YAML header of the document be careful not to check the R Markdown file into a public version control repository (e.g. git or GitHub) where the password is stored and visible in plain-text. Please use this format carefully.

Try using `xaringan::infinite_moon_reader()` with `preview = TRUE` to preview your document with automatic reloading of slides on change. When you are done developing your document, set `preview = FALSE` or remove it from the YAML header entirely to encrypt and password protect your document.

See Also

`charm` for more information on the password protection and encryption.

Examples

```
## Not run:
library(rmarkdown)
render("input.Rmd", html_password_protected())

## End(Not run)
```

`stylize` *Style password landing page*

Description

Use this function to style the appearance of the landing page for the password-protected HTML file.

Usage

```
stylize(
  header_text = "PLEASE ENTER THE PASSWORD",
  placeholder_text = "",
  button_text = "SUBMIT",
  font_family = "-apple-system",
  font_size = "16px",
  title_color = "#2d3737",
  background_color = "#f2f2f2",
  box_color = "#ffffff",
  btn_font_color = "#ffffff",
  btn_bg_color = "#19A974",
  btn_hover_color = "#137752",
  modal_overlay = "rgba(0, 0, 0, 0.6)",
  modal_box_color = "#ffffff",
  modal_title_color = "#137752",
  modal_font_color = "rgba(0, 0, 0, 0.8)"
)
```

Arguments

`header_text` Header text.

`placeholder_text` Password input placeholder text.

`button_text` Button text.

`font_family` Font family.

`font_size` Font size.

`title_color` Title font color.

`background_color` Background color.

box_color Box color.

btn_font_color Button font color.

btn_bg_color Button background color.

btn_hover_color Button hover color.

modal_overlay Modal overlay color.

modal_box_color Modal box color.

modal_title_color Modal title font color.

modal_font_color Modal text font color.

Value

A list with class `fidelius_styling`.

Examples

```
stylize(font_family = "Times")
```

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