

# 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.

**License** MIT + file LICENSE

**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

**Imports** askpass, fs, htmltools, readr, rlang, rmarkdown, rstudioapi,  
sodium, whisker

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

|                                   |   |
|-----------------------------------|---|
| charm . . . . .                   | 2 |
| html_password_protected . . . . . | 3 |
| stylize . . . . .                 | 5 |

|              |          |
|--------------|----------|
| <b>Index</b> | <b>7</b> |
|--------------|----------|

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 charm

*Password protect a document*


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## 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 <code>stylize()</code> .                                                                                                        |
| bundle   | Logical. Should all of the decryption machinery and dependencies be bundled into the HTML document? Default is <code>FALSE</code> .                  |
| minified | Logical. Should minified versions of JavaScript dependencies be included? Default is <code>TRUE</code> .                                             |
| ...      | Arguments passed on to <code>rmarkdown::render()</code> .                                                                                            |

## 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:

|          |                                                                                                                                                                                                    |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <pre> --- output:   fidelius::html_password_protected:     output_format:       rmarkdown::html_document:         toc: true --- </pre>                                                             |
| 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 <code>stylize()</code> . For example: <pre> output:   fidelius::html_password_protected:     style:       button_text: "Open Sesame!" </pre> |
| 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 <code>output_format</code> . 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.                |

|                                |                          |
|--------------------------------|--------------------------|
| <code>box_color</code>         | Box color.               |
| <code>btn_font_color</code>    | Button font color.       |
| <code>btn_bg_color</code>      | Button background color. |
| <code>btn_hover_color</code>   | Button hover color.      |
| <code>modal_overlay</code>     | Modal overlay color.     |
| <code>modal_box_color</code>   | Modal box color.         |
| <code>modal_title_color</code> | Modal title font color.  |
| <code>modal_font_color</code>  | Modal text font color.   |

**Value**

A list with class `fidelius_styling`.

**Examples**

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

# Index

charm, [2](#), [4](#)

html\_password\_protected, [3](#)

secret\_keeper  
    (html\_password\_protected), [3](#)

stylize, [5](#)