Package 'auth0'

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Type Package

Title Authentication in Shiny with Auth0

Version 0.2.3

Description Uses Auth0 API (see <https://auth0.com> for more
information) to use a simple authentication system. It provides
tools to log in and out a shiny application using social networks or a list
of e-mails.

BugReports <https://github.com/curso-r/auth0/issues>

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Encoding UTF-8

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Imports httr, shiny, yaml, utils, shinyjs

Suggests knitr, rmarkdown

VignetteBuilder knitr

URL <https://curso-r.github.io/auth0/>

NeedsCompilation no

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R topics documented:

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auth0_config   *Parse* _auth0.yml *file.*

Description

Validates and creates a list of useful information from the _auth0.yml file.

Usage

```
auth0_config(config_file)
```

Arguments

config_file   path to the _auth0.yml file. If not informed, will try to find the file using
                  auth0_find_config_file.

Value

List containing all the information from the _auth0.yml file.

---

auth0_find_config_file
                          Find the configuration file.

Description

Tries to find the path to the _auth0.yml file. First, it tries to get this info from options(auth0_config_file
=). If this option is NULL (the default) it tries to find the _auth0.yml within the working directory.
If the file does not exist, it raises an error.

Usage

```
auth0_find_config_file()
```

Value

Character vector of length one contaning the path of the `_auth0.yml` file.

See Also

[use_auth0](#).

---

auth0_info   *Information used to connect to Auth0.*

Description

Creates a list containing all the important information to connect to Auth0 service's API.

Usage

```
auth0_info(config)
```

Arguments

config   path to the `_auth0.yml` file or the object returned by [auth0_config](#). If not in-
                formed, will try to find the file using [auth0_find_config_file](#).

Value

A list contaning scope, state, keys, OAuth2.0 app, endpoints, audience and remote URL. For com-
patibility reasons, `remote_url` can be either a parameter in the root yaml or inside a `shiny_config`
parameter.

See Also

[use_auth0](#) to create an `_auth0.yml` template.

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auth0_logout_url   *Generate logout URL*

Description

`auth0_logout_url()` is defunct as of auth0 0.1.2 in order to simplifly the user experience with the
[logoutButton()](#) function.

Usage

```
auth0_logout_url(config_file = NULL, redirect_js = TRUE)
```

Arguments

`config_file`	Path to YAML configuration file.
`redirect_js`	include javascript code to redirect page? Defaults to TRUE.

Examples

```
# simple UI with action button
# AFTER auth0 0.1.2

if (interactive()) {
  library(shiny)
  library(auth0)

  ui <- fluidPage(logoutButton())
  server <- function(input, output, session) {}
  config_file <- system.file("simple/_auth0.yml", package = "auth0")
  shinyAppAuth0(ui, server, config_file)

  # simple UI with action button
  # BEFORE auth0 0.1.2

  library(shiny)
  library(auth0)
  library(shinyjs)

  # note that you must include shinyjs::useShinyjs() for this to work
  ui <- fluidPage(shinyjs::useShinyjs(), actionButton("logout_auth0", "Logout"))

  # server with one observer that logouts
  server <- function(input, output, session) {
    observeEvent(input$logout_auth0, {
      # javascript code redirecting to correct url
      js <- auth0_logout_url()
      shinyjs::runjs(js)
    })
  }
  shinyAuth0App(ui, server, config_file)
}
```

logout	*Log out of an auth0 app*

Description

Log the current user out of an auth0 shiny app.

Usage

```
logout()
```

Details

You can also use a diferent configuration file by setting the auth0_config_file option with:
options(auth0_config_file = "path/to/file.yaml").

See Also

[logoutButton](#), [logout_url](#)

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logoutButton   *Create a button to log out*

Description

A logoutButton is an [actionButton](#) that is meant to be used to log out of an auth0 Shiny app.

Usage

```
logoutButton(label = "Log out", ..., id = "._auth0logout_")
```

Arguments

label	The label on the button.
...	Named attributes to apply to the button.
id	An ID for the button. If you only have one logout button in your app, you do not need to explicitly provide an ID. If you have more than one logout button, you need to provide a unique ID to each button. When you create a button with a non-default ID, you must create an observer that listens to a click on this button and logs out of the app with a call to [logout](#).

See Also

[logout](#), [logout_url](#)

Examples

```
if (interactive()) {
  ui <- fluidPage(
    logoutButton(),
    logoutButton(label = "Another logout button", id = "logout2")
  )
  server <- function(input, output, session) {
    observeEvent(input$logout2, {
      logout()
    })
  }
  shinyAuth0App(ui, server)
}
```

---

logout_url	*Generate a logout URL*

Description

Generate a URL that will log the user out of the app if visited.

Usage

```
logout_url()
```

Details

You can also use a diferent configuration file by setting the auth0_config_file option with:
options(auth0_config_file = "path/to/file.yaml").

Value

URL string to log out.

See Also

[logoutButton](#), [logout](#)

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shinyAppAuth0 *Create a Shiny app object with Auth0 Authentication*

Description

This function modifies ui and server objects to run using Auth0 authentication.

Usage

```
shinyAppAuth0(ui, server, config_file = NULL, ...)
```

Arguments

ui	an ordinary UI object to create shiny apps.
server	an ordinary server object to create shiny apps.
config_file	path to YAML configuration file.
...	Other arguments passed on to shiny::shinyApp().

Details

You can also use a diferent configuration file by setting the auth0_config_file option with:
options(auth0_config_file = "path/to/file.yaml").

Disable auth0 while developing apps

Sometimes, using auth0 to develop and test apps can be frustrating, because every time the app is
started, auth0 requires the user to log-in. To avoid this problem, one can run options(auth0_disable
= TRUE) to disable auth0 temporarily.

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shinyAuth0App *Create a Shiny app object with Auth0 Authentication*

Description

As of auth0 0.1.2, shinAuth0App() has been renamed to shinyAppAuth0() for consistency.

Usage

```
shinyAuth0App(ui, server, config_file = NULL)
```

Arguments

ui	an ordinary UI object to create shiny apps.
server	an ordinary server object to create shiny apps.
config_file	path to YAML configuration file.

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ui-server   *Modifies ui/server objects to authenticate using Auth0.*

Description

These functions can be used in a ui.R/server.R framework, modifying the shiny objects to authenticate using Auth0 service with no pain.

Usage

```
auth0_ui(ui, info)

auth0_server(server, info)
```

Arguments

ui	shiny.tag.list object to generate the user interface.
info	object returned from auth0_info. If not informed, will try to find the _auth0.yml and create it automatically.
server	the shiny server function.

See Also

auth0_info.

Examples

```
# first, create the yml file using use_auth0() function

if (interactive()) {

  # ui.R file
  library(shiny)
  library(auth0)
  auth0_ui(fluidPage(logoutButton()))

  # server.R file
  library(auth0)
  auth0_server(function(input, output, session) {})

  # console
  options(shiny.port = 8080)
  shiny::runApp()
}
```

---

use_auth0 *Auth0 configuration file*

Description

Create an YAML containing information to connect with Auth0.

Usage

```
use_auth0(path = ".", file = "_auth0.yml", overwrite = FALSE)
```

Arguments

path   Directory name. Should be the root of the shiny app you want to add this func-
            tionality

file   File name. Defaults to `_auth0.yml`.

overwrite   Will only overwrite existing path if `TRUE`.

Details

The YAML configuration file has required parameters and extra parameters.

The required parameters are:

- `auth0_config` is a list contaning at least:
    - `api_url`: Your account at Auth0 (e.g. https://jonhdoe.auth0.com). It is the "Domain" in
      Auth0 application settings.
    - `credentials`: Your credentials to access Auth0 API, including
        * `key`: the Client ID in Auth0 application settings.
        * `secret`: the Client Secret in Auth0 application settings.

The extra parameters are:

- `remote_url`: If you are using Shiny-Server or ShinyApps IO service.
- `scope`: The information that Auth0 app will access. Defaults to "openid profile".
- `request`: Endpoit to request a token. Defaults to "oauth/token"
- `access`: Endpoit to access. Defaults to "oauth/token"

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