Package ‘cognitoR’

October 6, 2020

Type Package
Title Authentication for ‘Shiny’ Apps with ‘Amazon Cognito’
Version 1.0.2
Imports shiny, yaml, config, shinyjs, httr, dplyr, base64enc, jsonlite, paws
License GPL-3
BugReports https://github.com/chi2labs/cognitoR/issues
Encoding UTF-8
LazyData true
RoxygenNote 7.1.1
Suggests knitr, rmarkdown
VignetteBuilder knitr
NeedsCompilation no
Author Pablo Pagnone [aut, cre], Aleksander Dietrichson [aut]
Maintainer Pablo Pagnone <pablodp84@gmail.com>
Repository CRAN
Date/Publication 2020-10-06 04:50:02 UTC

R topics documented:
cognito_add_account .................................. 2
cognito_server ...................................... 3
cognito_ui .......................................... 4
cookie_server ...................................... 4
cookie_ui .......................................... 5
logout_server ..................................... 6
logout_ui .......................................... 6

Index 8
cognito_add_account  Allow create an user in Cognito Pool

Description

This method is working with amazing package "paws", so you need to have the required AWS secret and access key (see example).

Usage

cognito_add_account(
    cognito_config,
    Username,
    UserAttributes,
    DesiredDeliveryMediums,
    ...
)

Arguments

    cognito_config  - Cognito Config list
    Username        - Username to use in Cognito - This can be a username, email, phone depending configuration in Amazon Pool.
    UserAttributes  - User attributes: This can be multiples attributes, depends of configuration in Amazon Pool.
    DesiredDeliveryMediums
        - Medium to delivert email when user is created, can be EMAIL or SMS
        ...
            extra params to pass to method paws::admin_create_user

Details

Also needs to have the config for cognitoR. Specially the pool Id (group_id in config), where the new user is created.

Value

    boolean

Examples

    ## Not run:
    Sys.setenv(
        AWS_ACCESS_KEY_ID = '',
        AWS_SECRET_ACCESS_KEY = '',
        AWS_REGION = ''
    )
    cognito_add_account("account@mail.com",

UserAttributes = list(list(Name = "email", Value = "account@mail.com"),
                   list(Name = "phone_number", Value = "+12123212312321"))

DesiredDeliveryMediums = "EMAIL"

## End(Not run)

cognito_server Cognito Shiny Module Server

Description
A shiny server function to implement Cognito Authentication in your shiny app.

Usage
cognito_server(
  input,
  output,
  session,
  with_cookie = FALSE,
  cookiename = "cognitor",
  cookie_expire = 7
)

Arguments
input - Shiny input
output - Shiny Output
session - Shiny Session
with_cookie - Create a own cookie when is authenticated in Cognito.
cookiename - name for cookie
cookie_expire - Expiration time for cookie

Value
reactiveValues (isLogged and userdata) and a callback function to do logout in Cognito.

Author(s)
Pablo Pagnone
**cognito_ui**  
*Cognito Shiny Module UI*

**Description**  
A Shiny UI function to be used to implement Amazon Cognito in your shiny app. This UI loads the required JS.

**Usage**  
cognito_ui(id)

**Arguments**  
  
<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>character</td>
<td>Namespace ID</td>
</tr>
</tbody>
</table>

**Value**  
A Shiny UI

**Author(s)**  
Pablo Pagnone

**Examples**  
cognito_ui("demo")

---

**cookie_server**  
*Cookie Shiny Module Server*

**Description**  
This server module returns a list with methods to interact with cookie created via JS. You have:

**Usage**  
cookie_server(input, output, session, cookie_name = "user", cookie_expire = 7)

**Arguments**  

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>input</td>
<td>shiny input</td>
<td></td>
</tr>
<tr>
<td>output</td>
<td>shiny output</td>
<td></td>
</tr>
<tr>
<td>session</td>
<td>shiny session</td>
<td></td>
</tr>
<tr>
<td>cookie_name</td>
<td>character</td>
<td>Name of cookie to create</td>
</tr>
<tr>
<td>cookie_expire</td>
<td>numeric</td>
<td>Expiration time of cookie</td>
</tr>
</tbody>
</table>
cookie_ui

Details

- getCookie - Reactive function, returns the content of cookie if exist. Else return FALSE.
- setCookie - Sets the content for a cookie. (Required param: list())
- rmCookie - Removes a cookie

Value

list of reactive element and function to manage cookies

Author(s)

Pablo Pagnone

Examples

cookie_server(NULL,NULL,NULL)

cookie_ui(id)

Arguments

id character

Value

a Shiny UI

Examples

cookie_ui("cookie")
logout_server

Description

Receive a reactive element (isLogged), when is TRUE the logout button and information about is shown.

Usage

logout_server(
  input,
  output,
  session,
  isLogged = reactive(FALSE),
  textlogged = "You are logged in"
)

Arguments

input       Shiny input
output      Shiny output
session     Shiny session
isLogged    reactive
textlogged  character

Value

reactive (the logout button)

Examples

logout_server(NULL, NULL, NULL)

logout_ui

Description

Return a UI with a logout button and information about user logged. By default is hidden and is show with reactive element from logoutServer

Usage

logout_ui(id, textbutton = "Log out", classbutton = "btn-logout btn-danger")
logout_ui

Arguments
- id character
textbutton character
classbutton character

Value
Shiny UI

Examples
logout_ui("test")
Index

cognito_add_account, 2
cognito_server, 3
cognito_ui, 4
cookie_server, 4
cookie_ui, 5
logout_server, 6
logout_ui, 6