Package: shinymanager (via r-universe)

September 14, 2024

Title Authentication Management for 'Shiny' Applications

Version 1.0.510

Description Simple and secure authentification mechanism for single
'Shiny' applications. Credentials can be stored in an encrypted
'SQLite' database or on your own SQL Database (Postgres, MySQL,
...). Source code of main application is protected until
authentication is successful.

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URL https://github.com/datastorm-open/shinymanager

Encoding UTF-8

RoxygenNote 7.2.1

Imports R6, shiny, htmltools, DT (>= 0.5), DBI, RSQLite, openssl,
R.utils, billboarder, scrypt, yaml, glue

Suggests keyring, testthat (>= 2.1.0), knitr, rmarkdown, RPostgres,
sparklyr

VignetteBuilder knitr

Repository https://datastorm-open.r-universe.dev

RemoteUrl https://github.com/datastorm-open/shinymanager

RemoteRef HEAD

RemoteSha 3addca57b9b4dedf5db16ae7f1174d95a09bbb38

Contents

---

check_credentials   *Check credentials*

Description

Check credentials

Usage

```
check_credentials(db, passphrase = NULL)
```

Arguments

db   A `data.frame` with credentials data, a path to SQLite database created with
                [create_db](#) or a .yaml configuration path of SQL Database created with [create_sql_db](#).

passphrase   Passphrase to decrypt the SQLite database.

Details

The credentials `data.frame` can have the following columns:

- **user (mandatory)** : the user's name.

- **password (mandatory)** : the user's password.

- **admin (optional)** : logical, is user have admin right ? If so, user can access the admin mode
  (only available using a SQLite database). Initialize to FALSE if missing.

- **start (optional)** : the date from which the user will have access to the application. Initialize
  to NA if missing.

- **expire (optional)** : the date from which the user will no longer have access to the application.
  Initialize to NA if missing.

- **applications (optional)** : the name of the applications to which the user is authorized, sepa-
  rated by a semicolon. The name of the application corresponds to the name of the directory,
  or can be declared using : `options("shinymanager.application" = "my-app")`

- **additional columns** : add others columns to retrieve the values server-side after authentication

Value

Return a `function` with two arguments: user and password to be used in module-authentication. The authentication function returns a `list` with 4 slots :

- **result** : logical, result of authentication.
- **expired** : logical, is user has expired ? Always `FALSE` if db doesn't have a `expire` column.
- **authorized** : logical, is user can access to his app ? Always `TRUE` if db doesn't have a `applications` column.
- **user_info** : the line in db corresponding to the user.

See Also

create_db, create_sql_db, check_credentials

Examples

```
# data.frame with credentials info
credentials <- data.frame(
  user = c("fanny", "victor"),
  password = c("azerty", "12345"),
  stringsAsFactors = FALSE
)

# check a user
check_credentials(credentials)("fanny", "azerty")
check_credentials(credentials)("fanny", "azert")
check_credentials(credentials)("fannyyy", "azerty")

# data.frame with credentials info
# using hashed password with scrypt
credentials <- data.frame(
  user = c("fanny", "victor"),
  password = c(scrypt::hashPassword("azerty"), scrypt::hashPassword("12345")),
  is_hashed_password = TRUE,
  stringsAsFactors = FALSE
)

# check a user
check_credentials(credentials)("fanny", "azerty")
check_credentials(credentials)("fanny", "azert")
check_credentials(credentials)("fannyyy", "azerty")

## Not run:

## With a SQLite database:
check_credentials("credentials.sqlite", passphrase = "supersecret")


## With a SQL database:
check_credentials("config_db.yml")
```

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

---

create_db   *Create credentials database*

Description

Create a SQLite database with credentials data protected by a password.

Usage

```
create_db(
  credentials_data,
  sqlite_path,
  passphrase = NULL,
  flags = RSQLite::SQLITE_RWC
)
```

Arguments

credentials_data

A `data.frame` with information about users, `user` and `password` are required.

sqlite_path   Path to the SQLite database.

passphrase   A password to protect the data inside the database.

flags   `RSQLite::SQLITE_RWC`: open the database in read/write mode and create the database file if it does not already exist; `RSQLite::SQLITE_RW`: open the database in read/write mode. Raise an error if the file does not already exist; `RSQLite::SQLITE_RO`: open the database in read only mode. Raise an error if the file does not already exist

Details

The credentials `data.frame` can have the following columns:

- **user (mandatory)** : the user's name.
- **password (mandatory)** : the user's password.
- **admin (optional)** : logical, is user have admin right ? If so, user can access the admin mode (only available using a SQLite database). Initialize to FALSE if missing.
- **start (optional)** : the date from which the user will have access to the application. Initialize to NA if missing.
- **expire (optional)** : the date from which the user will no longer have access to the application. Initialize to NA if missing.
- **applications (optional)** : the name of the applications to which the user is authorized, separated by a semicolon. The name of the application corresponds to the name of the directory, or can be declared using : `options("shinymanager.application" = "my-app")`
- **additional columns** : add others columns to retrieve the values server-side after authentication

See Also

create_db, create_sql_db, check_credentials, read_db_decrypt

Examples

```
## Not run:

library(shiny)
library(shinymanager)

#### init the Sqlite Database
# Credentials data
credentials <- data.frame(
  user = c("shiny", "shinymanager"),
  password = c("azerty", "12345"), # password will automatically be hashed
  stringsAsFactors = FALSE
)

# you can use keyring package to set database key
library(keyring)
key_set("R-shinymanager-key", "obiwankenobi")

# Create the database
create_db(
  credentials_data = credentials,
  sqlite_path = "/path/to/database.sqlite", # will be created
   passphrase = key_get("R-shinymanager-key", "obiwankenobi")
   # passphrase = "secret"  # or just a word, without keyring
)

### Use in shiny
ui <- fluidPage(
  tags$h2("My secure application"),
  verbatimTextOutput("auth_output")
)

# Wrap your UI with secure_app
ui <- secure_app(ui, choose_language = TRUE)


server <- function(input, output, session) {

 # call the server part
 # check_credentials returns a function to authenticate users
 res_auth <- secure_server(
   check_credentials = check_credentials(
       db = "/path/to/database.sqlite",
       passphrase = key_get("R-shinymanager-key", "obiwankenobi")
   )
 )

 output$auth_output <- renderPrint({
```

```
    reactiveValuesToList(res_auth)
  })

  observe({
    print(input$shinymanager_where)
    print(input$shinymanager_language)
  })

  # your classic server logic

}

shinyApp(ui, server)


## End(Not run)
```

---

create_sql_db   *Create credentials SQL database*

Description

Create a SQL (not SQLite but Postgres, MSSQL, MySQL...) database with credentials data using
DBI interface.

Usage

```
create_sql_db(credentials_data, config_path)
```

Arguments

credentials_data

> A data.frame with information about users, user and password are required.

config_path   Path to the yaml configuration. You can find a template for Posgres in package
> system.file("sql_config/pg_template.yml", package = "shinymanager")

Details

The credentials data.frame can have the following columns:

- **user (mandatory)** : the user's name.
- **password (mandatory)** : the user's password.
- **admin (optional)** : logical, is user have admin right ? If so, user can access the admin mode
  (only available using a SQLite database). Initialize to FALSE if missing.
- **start (optional)** : the date from which the user will have access to the application. Initialize
  to NA if missing.

- **expire (optional)** : the date from which the user will no longer have access to the application. Initialize to NA if missing.
- **applications (optional)** : the name of the applications to which the user is authorized, separated by a semicolon. The name of the application corresponds to the name of the directory, or can be declared using : options("shinymanager.application" = "my-app")
- **additional columns** : add others columns to retrieve the values server-side after authentication

See Also

[create_db](), [create_sql_db](), [check_credentials]()

Examples

```
## Not run:

library(shiny)
library(shinymanager)

#### init the SQL Database
# first edit the .yml configuration file
system.file("sql_config/pg_template.yml", package = "shinymanager")


# Init Credentials data
credentials <- data.frame(
  user = c("shiny", "shinymanager"),
  password = c("azerty", "12345"), # password will automatically be hashed
  stringsAsFactors = FALSE
)

# Create SQL database
create_sql_db(
  credentials_data = credentials,
  config_path = "path/to/your_sql_configuration.yml"
)

### Use in shiny
ui <- fluidPage(
  tags$h2("My secure application"),
  verbatimTextOutput("auth_output")
)

# Wrap your UI with secure_app
ui <- secure_app(ui, choose_language = TRUE)


server <- function(input, output, session) {

 # call the server part
 # check_credentials returns a function to authenticate users
 res_auth <- secure_server(
   check_credentials = check_credentials(db = "path/to/your_sql_configuration.yml")
```

```
  )

  output$auth_output <- renderPrint({
    reactiveValuesToList(res_auth)
  })

  observe({
    print(input$shinymanager_where)
    print(input$shinymanager_language)
  })

  # your classic server logic

}

shinyApp(ui, server)


## End(Not run)
```

---

custom-labels   *Modify shinymanager labels to use custom text*

Description

See all labels registered with get_labels(), then set custom text with set_labels().

Usage

```
set_labels(language, ...)

get_labels(language = "en")
```

Arguments

language	Language to use for labels, supported values are : "en", "fr", "pt-BR", "es", "de", "pl", "ja", "el", "id", "zh-CN".
...	A named list with labels to replace.

Value

get_labels() return a named list with all labels registered.

Examples

```
# In global.R for example:
set_labels(
  language = "en",
  "Please authenticate" = "You have to login",
  "Username:" = "What's your name:",
  "Password:" = "Enter your password:"
)
```

---

db-crypted   *Read / Write crypted table from / to a SQLite database*

Description

Read / Write crypted table from / to a SQLite database

Usage

```
write_db_encrypt(conn, value, name = "credentials", passphrase = NULL)

read_db_decrypt(conn, name = "credentials", passphrase = NULL)
```

Arguments

conn	A DBIConnection object, as returned by [dbConnect](#).
value	A data.frame.
name	A character string specifying the unquoted DBMS table name.
passphrase	A secret passphrase to crypt the table inside the database

Value

a data.frame for read_db_decrypt.

See Also

[create_db](#)

Examples

```
# connect to database
conn <- DBI::dbConnect(RSQLite::SQLite(), dbname = ":memory:")

# write to database
write_db_encrypt(conn, value = head(iris), name = "iris", passphrase = "supersecret")

# read
read_db_decrypt(conn = conn, name = "iris", passphrase = "supersecret")
```

```
# with wrong passphrase
## Not run:
read_db_decrypt(conn = conn, name = "iris", passphrase = "forgotten")

## End(Not run)

# with DBI method you'll get a crypted blob
DBI::dbReadTable(conn = conn, name = "iris")

# add some users to database
## Not run:
conn <- DBI::dbConnect(RSQLite::SQLite(), dbname = "path/to/database.sqlite")

# update "credentials" table
current_user <- read_db_decrypt(
  conn,
  name = "credentials",
  passphrase = key_get("R-shinymanager-key", "obiwankenobi")
)

add_user <- data.frame(user = "new", password = "pwdToChange",
                       start = NA, expire = NA, admin = TRUE)

new_users <- rbind.data.frame(current_user, add_user)

write_db_encrypt(
  conn,
  value = new_users,
  name = "credentials",
  key_get("R-shinymanager-key", "obiwankenobi")
)

# update "pwd_mngt" table
pwd_mngt <- read_db_decrypt(
  conn,
  name = "pwd_mngt",
  passphrase = key_get("R-shinymanager-key", "obiwankenobi")
)

pwd_mngt <- rbind.data.frame(
  pwd_mngt,
  data.frame(user = "new", must_change = T, have_changed = F, date_change = "")
)

write_db_encrypt(
  conn,
  value = pwd_mngt,
  name = "pwd_mngt",
  passphrase = key_get("R-shinymanager-key", "obiwankenobi")
)

## End(Not run)
```

```
DBI::dbDisconnect(conn)
```

---

fab_button   *Create a FAB button*

Description

Create a fixed button in page corner with additional button(s) in it

Usage

```
fab_button(
  ...,
  position = c("bottom-right", "top-right", "bottom-left", "top-left", "none"),
  animation = c("slidein", "slidein-spring", "fountain", "zoomin"),
  toggle = c("hover", "click"),
  inputId = NULL,
  label = NULL
)
```

Arguments

...	actionButtons to be used as floating buttons.
position	Position for the button.
animation	Animation when displaying floating buttons.
toggle	Display floating buttons when main button is clicked or hovered.
inputId	Id for the FAB button (act like an actionButton).
label	Label for main button.

Examples

```
library(shiny)
library(shinymanager)

ui <- fluidPage(

  tags$h1("FAB button"),

  tags$p("FAB button:"),
  verbatimTextOutput(outputId = "res_fab"),

  tags$p("Logout button:"),
  verbatimTextOutput(outputId = "res_logout"),

  tags$p("Info button:"),
```

```
    verbatimTextOutput(outputId = "res_info"),

    fab_button(
      actionButton(
        inputId = "logout",
        label = "Logout",
        icon = icon("arrow-right-from-bracket")
      ),
      actionButton(
        inputId = "info",
        label = "Information",
        icon = icon("info")
      ),
      inputId = "fab"
    )

)

server <- function(input, output, session) {

  output$res_fab <- renderPrint({
    input$fab
  })

  output$res_logout <- renderPrint({
    input$logout
  })

  output$res_info <- renderPrint({
    input$info
  })

}

if (interactive()) {
  shinyApp(ui, server)
}
```

| generate_pwd | *Simple password generation* |

Description

Simple password generation

Usage

```
generate_pwd(n = 1)
```

Arguments

n	Number of password(s)

Value

a `character`

Examples

```
generate_pwd()

generate_pwd(3)
```

---

module-authentication   *Authentication module*

Description

Authentication module

Usage

```
auth_ui(
  id,
  status = "primary",
  tags_top = NULL,
  tags_bottom = NULL,
  background = NULL,
  choose_language = NULL,
  lan = NULL,
  ...
)

auth_server(
  input,
  output,
  session,
  check_credentials,
  use_token = FALSE,
  lan = NULL
)
```

Arguments

id	Module's id.
status	Bootstrap status to use for the panel and the button. Valid status are: "default", "primary", "success", "warning", "danger".

tags_top	A tags (div, img, ...) to be displayed on top of the authentication module.
tags_bottom	A tags (div, img, ...) to be displayed on bottom of the authentication module.
background	A optionnal css for authentication background. See example.

choose_language

> logical/character. Add language selection on top ? TRUE for all supported languages or a vector of possibilities like c("en", "fr", "pt-BR", "es", "de", "pl", "ja", "el", "id", "zh-CN"). If enabled, input$shinymanager_language is created

lan	A language object. See [use_language](#)
...	: Used for old version compatibility.

input, output, session

> Standard Shiny server arguments.

check_credentials

> Function with two arguments (user, the username provided by the user and password, his/her password). Must return a list with at least 2 (or 4 in case of sqlite) slots :
>
> - **result** : logical, result of authentication.
> - **user_info** : list. What you want about user ! (sqlite : the line in db corresponding to the user).
> - **expired** : logical, is user has expired ? Always FALSE if db doesn't have a expire column. Optional.
> - **authorized** : logical, is user can access to his app ? Always TRUE if db doesn't have a applications column. Optional.

use_token	Add a token in the URL to check authentication. Should not be used directly.

Value

A reactiveValues with 3 slots :

- **result** : logical, result of authentication.
- **user** : character, name of connected user.
- **user_info** : information about the user.

Examples

```
if (interactive()) {

  library(shiny)
  library(shinymanager)

  # data.frame with credentials info
  # credentials <- data.frame(
  #   user = c("fanny", "victor"),
  #   password = c("azerty", "12345"),
  #   comment = c("alsace", "auvergne"),
  #   stringsAsFactors = FALSE
```

```r
  # )

  # you can hash the password using scrypt
  # and adding a column is_hashed_password
  # data.frame with credentials info
  credentials <- data.frame(
    user = c("fanny", "victor"),
    password = c(scrypt::hashPassword("azerty"), scrypt::hashPassword("12345")),
    is_hashed_password = TRUE,
    comment = c("alsace", "auvergne"),
    stringsAsFactors = FALSE
  )

  # app
  ui <- fluidPage(

    # authentication module
    auth_ui(
      id = "auth",
      # add image on top ?
      tags_top =
        tags$div(
          tags$h4("Demo", style = "align:center"),
          tags$img(
            src = "https://www.r-project.org/logo/Rlogo.png", width = 100
          )
        ),
      # add information on bottom ?
      tags_bottom = tags$div(
        tags$p(
          "For any question, please  contact ",
          tags$a(
            href = "mailto:someone@example.com?Subject=Shiny%20aManager",
            target="_top", "administrator"
          )
        )
      ),
      # change auth ui background ?
      # https://developer.mozilla.org/fr/docs/Web/CSS/background
      background  = "linear-gradient(rgba(0, 0, 255, 0.5),
                        rgba(255, 255, 0, 0.5)),
                        url('https://www.r-project.org/logo/Rlogo.png');",
      # set language ?
      lan = use_language("fr")
    ),

    # result of authentication
    verbatimTextOutput(outputId = "res_auth"),

    # classic app
    headerPanel('Iris k-means clustering'),
    sidebarPanel(
      selectInput('xcol', 'X Variable', names(iris)),
```

```
        selectInput('ycol', 'Y Variable', names(iris),
                    selected=names(iris)[[2]]),
        numericInput('clusters', 'Cluster count', 3,
                    min = 1, max = 9)
    ),
    mainPanel(
      plotOutput('plot1')
    )
  )

  server <- function(input, output, session) {

    # authentication module
    auth <- callModule(
      module = auth_server,
      id = "auth",
      check_credentials = check_credentials(credentials)
    )

    output$res_auth <- renderPrint({
      reactiveValuesToList(auth)
    })

    # classic app
    selectedData <- reactive({

      req(auth$result)  # <---- dependency on authentication result

      iris[, c(input$xcol, input$ycol)]
    })

    clusters <- reactive({
      kmeans(selectedData(), input$clusters)
    })

    output$plot1 <- renderPlot({
      palette(c("#E41A1C", "#377EB8", "#4DAF4A", "#984EA3",
                "#FF7F00", "#FFFF33", "#A65628", "#F781BF", "#999999"))

      par(mar = c(5.1, 4.1, 0, 1))
      plot(selectedData(),
           col = clusters()$cluster,
           pch = 20, cex = 3)
      points(clusters()$centers, pch = 4, cex = 4, lwd = 4)
    })
  }

  shinyApp(ui, server)

}
```

---

module-password   *New password module*

Description

New password module

Usage

```
pwd_ui(id, tag_img = NULL, status = "primary", lan = NULL)

pwd_server(
  input,
  output,
  session,
  user,
  update_pwd,
  validate_pwd = NULL,
  use_token = FALSE,
  lan = NULL
)
```

Arguments

`id`	Module's id.
`tag_img`	A `tags$img` to be displayed on the authentication module.
`status`	Bootstrap status to use for the panel and the button. Valid status are: `"default"`, `"primary"`, `"success"`, `"warning"`, `"danger"`.
`lan`	An language object. Should not be used directly.
`input`, `output`, `session`	Standard Shiny server arguments.
`user`	A `reactiveValues` with a slot `user`, referring to the user for whom the password is to be changed.
`update_pwd`	A `function` to perform an action when changing password is successful. Two arguments will be passed to the function: `user` (username) and `password` (the new password). Must return a list with at least a slot `result` with `TRUE` or `FALSE`, according if the update has been successful.
`validate_pwd`	A `function` to validate the password enter by the user. Default is to check for the password to have at least one number, one lowercase, one uppercase and be of length 6 at least.
`use_token`	Add a token in the URL to check authentication. Should not be used directly.

Examples

```
if (interactive()) {

  library(shiny)
  library(shinymanager)

  ui <- fluidPage(
    tags$h2("Change password module"),
    actionButton(
      inputId = "ask", label = "Ask to change password"
    ),
    verbatimTextOutput(outputId = "res_pwd")
  )

  server <- function(input, output, session) {

    observeEvent(input$ask, {
      insertUI(
        selector = "body",
        ui = tags$div(
          id = "module-pwd",
          pwd_ui(id = "pwd")
        )
      )
    })

    output$res_pwd <- renderPrint({
      reactiveValuesToList(pwd_out)
    })

    pwd_out <- callModule(
      module = pwd_server,
      id = "pwd",
      user = reactiveValues(user = "me"),
      update_pwd = function(user, pwd) {
        # store the password somewhere
        list(result = TRUE)
      }
    )

    observeEvent(pwd_out$relog, {
      removeUI(selector = "#module-pwd")
    })
  }

  shinyApp(ui, server)

}
```

secure-app	*Secure a Shiny application and manage authentication*

Description

Secure a Shiny application and manage authentication

Usage

```
secure_app(
  ui,
  ...,
  enable_admin = FALSE,
  head_auth = NULL,
  theme = NULL,
  language = "en",
  fab_position = "bottom-right"
)

secure_server(
  check_credentials,
  timeout = 15,
  inputs_list = NULL,
  max_users = NULL,
  fileEncoding = "",
  keep_token = FALSE,
  validate_pwd = NULL,
  session = shiny::getDefaultReactiveDomain()
)
```

Arguments

ui	UI of the application.
...	Arguments passed to [auth_ui]().
enable_admin	Enable or not access to admin mode, note that admin mode is only available when using SQLite backend for credentials.
head_auth	Tag or list of tags to use in the <head> of the authentication page (for custom CSS for example).
theme	Alternative Bootstrap stylesheet, default is to use readable, you can use themes provided by shinythemes. It will affect the authentication panel and the admin page.
language	Language to use for labels, supported values are : "en", "fr", "pt-BR", "es", "de", "pl", "ja", "el", "id", "zh-CN".
fab_position	Position for the FAB button, see [fab_button]() for options.
check_credentials	
	Function passed to [auth_server]().
timeout	Timeout session (minutes) before logout if sleeping. Defaut to 15. 0 to disable.
inputs_list	list. If database credentials, you can configure inputs for editing users information. See Details.
max_users	integer. If not NULL, maximum of users in sql credentials.

fileEncoding	character string: Encoding of logs downloaded file. See `write.table`
keep_token	Logical, keep the token used to authenticate in the URL, it allow to refresh the application in the browser, but careful the token can be shared between users ! Default to `FALSE`.
validate_pwd	A `function` to validate the password enter by the user. Default is to check for the password to have at least one number, one lowercase, one uppercase and be of length 6 at least.
session	Shiny session.

Details

If database credentials, you can configure inputs with `inputs_list` for editing users information from the admin console. `start`, `expire`, `admin` and `password` are not configurable. The others columns are rendering by defaut using a `textInput`. You can modify this using `inputs_list`. `inputs_list` must be a named list. Each name must be a column name, and then we must have the function shiny to call `fun` and the arguments `args` like this : `list(group = list( fun = "selectInput", args = list( choices = c("all", "restricted"), multiple = TRUE, selected = c("all", "restricted") ) ) )`

You can specify if you want to allow downloading users file, sqlite database and logs from within the admin panel by invoking `options("shinymanager.download")`. It defaults to `c("db", "logs", "users")`, that allows downloading all. You can specify `options("shinymanager.download" = "db"` if you want allow admin to download only sqlite database, `options("shinymanager.download" = "logs")` to allow logs download or `options("shinymanager.download" = "")` to disable all.

Using `options("shinymanager.pwd_validity")`, you can set password validity period. It defaults to `Inf`. You can specify for example `options("shinymanager.pwd_validity" = 90)` if you want to force user changing password each 90 days.

Using `options("shinymanager.pwd_failure_limit")`, you can set password failure limit. It defaults to `Inf`. You can specify for example `options("shinymanager.pwd_failure_limit" = 5)` if you want to lock user account after 5 wrong password.

Using `options("shinymanager.auto_sqlite_reader")`, you can set reactiveFileReader time (milliseconds) used to look at sqlite db only. Used and useful in admin panel to prevent bug having potentially multiple admin session. It defaults to `1000`

Using `options("shinymanager.auto_sql_reader")`, you can set reactiveTimer SQL (not sqlite) admin reader. It defaults to `Inf` (disabled). It's only needed to prevent potential bug if two ore more admin are updated users at the same time.

Using `options("shinymanager.write_logs")`, you can activate or not writing users connection logs. Default to `TRUE`

Using `options("shinymanager.show_logs")`, you can activate or not showing users connection logs in admin panel. Default to `TRUE`

Value

A `reactiveValues` containing informations about the user connected.

Note

A special input value will be accessible server-side with input$shinymanager_where to know in which step user is : authentication, application, admin or password.

Examples

```
if (interactive()) {

  # define some credentials
  credentials <- data.frame(
    user = c("shiny", "shinymanager"),
    password = c("azerty", "12345"),
    stringsAsFactors = FALSE
  )

  library(shiny)
  library(shinymanager)

  ui <- fluidPage(
    tags$h2("My secure application"),
    verbatimTextOutput("auth_output")
  )

  # Wrap your UI with secure_app
  ui <- secure_app(ui, choose_language = TRUE)

  # change auth ui background ?
  # ui <- secure_app(ui,
  #                   background = "linear-gradient(rgba(0, 0, 255, 0.5),
  #                   rgba(255, 255, 0, 0.5)),
  #              url('https://www.r-project.org/logo/Rlogo.png') no-repeat center fixed;")

  server <- function(input, output, session) {

    # call the server part
    # check_credentials returns a function to authenticate users
    res_auth <- secure_server(
      check_credentials = check_credentials(credentials)
    )

    output$auth_output <- renderPrint({
      reactiveValuesToList(res_auth)
    })

    observe({
      print(input$shinymanager_where)
      print(input$shinymanager_language)
    })

    # your classic server logic

  }
```

```
   shinyApp(ui, server)

 }
```

---

use_language   *Use shinymanager labels*

Description

See all labels registered with `get_labels()`, then set custom text with `set_labels()`.

Usage

```
use_language(lan = "en")
```

Arguments

lan   Language to use for labels, supported values are : "en", "fr", "pt-BR", "es", "de",
                    "pl", "ja", "el", "id", "zh-CN".

Value

A language object

Examples

```
use_language(lan = "fr")
```

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