

Package ‘RCognito’

July 21, 2025

Type Package
Title A Simplified Interface for 'Amazon Cognito'
Version 0.1.0
Maintainer Sanjaya J Shetty <shettysanjaya01@gmail.com>
Description Simplifies integration with 'Amazon Cognito' (<<https://aws.amazon.com/cognito/>>) for R developers, enabling easy management of user authentication, registration, and password flows.
License MIT + file LICENSE
Encoding UTF-8
RoxygenNote 7.3.2
Imports paws
Suggests testthat (>= 3.0.0), mockery
Config/testthat/edition 3
NeedsCompilation no
Author Sanjaya J Shetty [aut, cre]
Repository CRAN
Date/Publication 2024-11-13 14:20:02 UTC

Contents

change_password	2
confirm_forgot_password	2
confirm_sign_up_user	3
forgot_password	3
get_user_list_from_cognito	4
is_valid_email	4
is_valid_token	5
sign_in	5
sign_up_user	6
Index	7

change_password	<i>Change User Password</i>
-----------------	-----------------------------

Description

Change User Password

Usage

```
change_password(old_password, new_password, token)
```

Arguments

old_password	A character string representing the user's current password.
new_password	A character string representing the user's new password.
token	A character string representing the user's access token.

Value

A message indicating the success of the password change, or an error if it fails.

confirm_forgot_password	<i>Confirm Forgot Password</i>
-------------------------	--------------------------------

Description

This function confirms the forgot password process by setting a new password for a user.

Usage

```
confirm_forgot_password(client_id, username, confirmation_code, new_password)
```

Arguments

client_id	A character string representing the app client ID.
username	A character string for the user's username.
confirmation_code	A character string for the confirmation code sent to the user.
new_password	A character string for the user's new password.

Value

Nothing (displays a message on success or raises an error if it fails).

confirm_sign_up_user	<i>Confirm User Sign Up</i>
----------------------	-----------------------------

Description

This function confirms the sign-up process for a user in AWS Cognito.

Usage

```
confirm_sign_up_user(client_id, userpool, username, verification_code)
```

Arguments

client_id	A character string representing the app client ID.
userpool	A character string representing the user pool ID.
username	A character string for the user's username.
verification_code	A character string for the verification code sent to the user.

Value

Nothing (displays a message on success or raises an error if it fails).

forgot_password	<i>Initiate Forgot Password Request</i>
-----------------	---

Description

Initiate Forgot Password Request

Usage

```
forgot_password(client_id, username)
```

Arguments

client_id	A character string representing the app client ID.
username	A character string for the user's username.

Value

Nothing (displays a message on success or raises an error if it fails).

get_user_list_from_cognito	<i>Get User List from Cognito</i>
----------------------------	-----------------------------------

Description

Retrieve the list of usernames and email addresses from Cognito.

Usage

```
get_user_list_from_cognito(cognito_client, userpool)
```

Arguments

cognito_client	The Cognito client.
userpool	A character string representing the user pool ID.

Value

A list containing usernames and email addresses.

is_valid_email	<i>Check if an email address is valid.</i>
----------------	--

Description

This function validates the format of an email address.

Usage

```
is_valid_email(email)
```

Arguments

email	The email address to be validated.
-------	------------------------------------

Value

TRUE if the email is valid, otherwise an error is thrown.

is_valid_token	<i>Check if an access token is valid.</i>
----------------	---

Description

This function validates the format of an access token.

Usage

```
is_valid_token(token)
```

Arguments

token	The access token to be validated.
-------	-----------------------------------

Value

TRUE if the token is valid, otherwise an error is thrown.

sign_in	<i>Sign in to AWS Cognito</i>
---------	-------------------------------

Description

Sign in to AWS Cognito

Usage

```
sign_in(client_id, username, password, authflow = "USER_PASSWORD_AUTH")
```

Arguments

client_id	A character string representing the app client ID.
username	A character string for the user's username.
password	A character string for the user's password.
authflow	A character string specifying the authentication flow (default: "USER_PASSWORD_AUTH").

Value

A list with user information and tokens if successful; throws an error otherwise.

`sign_up_user`*Sign up a new user to AWS Cognito*

Description

Sign up a new user to AWS Cognito

Usage

```
sign_up_user(client_id, email, username, password, ...)
```

Arguments

<code>client_id</code>	A character string representing the app client ID.
<code>email</code>	A character string for the user's email address.
<code>username</code>	A character string for the user's username.
<code>password</code>	A character string for the user's password.
<code>...</code>	Additional named user attributes for Cognito (e.g., 'phone_number').

Value

A list with sign-up confirmation details if successful; throws an error otherwise.

Index

change_password, [2](#)
confirm_forgot_password, [2](#)
confirm_sign_up_user, [3](#)

forgot_password, [3](#)

get_user_list_from_cognito, [4](#)

is_valid_email, [4](#)
is_valid_token, [5](#)

sign_in, [5](#)
sign_up_user, [6](#)