Package 'icesConnect'

October 13, 2022

Title Provides User Tokens for Access to ICES Web Services

Version 1.0.0

Description Provides user tokens for ICES web services that require
authentication and authorization. Web services covered by this
package are ICES VMS database, the ICES DATSU web services, and the
ICES SharePoint site.

Imports whoami, keyring, httr, base64enc, jsonlite, getPass

License GPL-3

Encoding UTF-8

RoxygenNote 7.1.2

NeedsCompilation no

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R topics documented:

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clear_token   *clear_token*

Description

Deletes the token from the key ring.

Usage

```
clear_token(username = getOption("ices.username"))
```

Arguments

username   the ices username that you require a token for, Default: getOption("ices.username")

Value

no return value

See Also

username [key_get](key_get)

Examples

```
## Not run:
clear_token()

## End(Not run)
```

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decode_token   *Decode token*

Description

Decodes the token to allow inspection of claims

Return the expiration date of the token

What user is this token for

Usage

```
decode_token(jwt = ices_token(), formatted = TRUE)

token_expiration(jwt = ices_token())

token_user(jwt = ices_token())
```

Arguments

jwt	a javascript web token got by running ices_token()
formatted	should formatted output be returned

Value

list of claims

POSIXct date time

string, user name

See Also

[username key_get](#)

[username key_get](#)

[username key_get](#)

Examples

```
## Not run:
decode_token()

## End(Not run)

## Not run:
token_expiration()

## End(Not run)

## Not run:
token_user()

## End(Not run)
```

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ices_get_jwt	*ices_request_jwt*

Description

Perform a get request to a url using a javascript web token for authentication

Usage

```
ices_get_jwt(
  url,
  username = NULL,
  retry = TRUE,
  quiet = FALSE,
  verbose = FALSE,
  jwt = NULL
)

ices_post_jwt(
  url,
  body = list(),
  encode = "json",
  username = NULL,
  retry = TRUE,
  quiet = FALSE,
  verbose = FALSE,
  jwt = NULL
)

ices_patch_jwt(
  url,
  body = list(),
  encode = "json",
  username = NULL,
  retry = TRUE,
  quiet = FALSE,
  verbose = FALSE,
  jwt = NULL
)

ices_request_jwt(
  type = c("GET", "POST", "PATCH"),
  url,
  body = NULL,
  encode = c("multipart", "form", "json", "raw"),
  username = NULL,
  retry = TRUE,
  quiet = FALSE,
  verbose = FALSE,
  jwt = NULL
)
```

Arguments

url	the url to make the request to
username	the ices username to perform the request as, Default: getOption("ices.username")

retry	if initial request fails, should a retry be made, Default: TRUE
quiet	suppress informative messages to the console
verbose	should the http request return verbose output
jwt	option to supply a token bypassing the ices_token() route, if "" no token is used
body	optional body of request
encode	If the body is a named list, how should it be encoded?
type	the type of request to make, GET, POST or PATCH

Value

httr response object

See Also

[ices_token GET](),[add_headers](),[stop_for_status](),[status_code]()

Examples

```
## Not run:
# this function is interactive and asks the user for a password
ices_request_jwt("GET", "https://taf.ices.dk/vms/api/gearwidths")
ices_get_jwt("https://taf.ices.dk/vms/api/gearwidths")

## End(Not run)
```

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ices_token   *ices_token*

Description

Stores a user token in the system keyring

Usage

```
ices_token(username = NULL, password = NULL, refresh = FALSE, ...)
```

Arguments

username	the ices username that you require a token for, Default: NULL, which results in getOption("ices.username")
password	the ices username that you require a token for, Default: NULL, which results in a dialogue box request for the password
refresh	should the token be refreshed to update new claims for example
...	not yet used

Value

character scalar, the token

See Also

[username](#) [key_get](#)

Examples

```
## Not run:
ices_token()

## End(Not run)
```

---

set_username   *Set your ICES username*

Description

Set the ICES user or logon name that will be used for requests

Usage

```
set_username(username)
```

Arguments

username   the ices username you use to login to SharePoint for example.

Details

To set this permanently, add the line: `options(ices.username = "your ices user name")` to your
'.Rprofile' file, see, usually '~/.Rprofile', see [Startup](#) for more information.

Value

invisible value: the previous username that was set

See Also

[options](#) [getOption](#)

Examples

```
set_username("myusername")
```

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