

Package ‘icesConnect’

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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

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Encoding UTF-8

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NeedsCompilation no

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R topics documented:

clear_token	2
decode_token	2
ices_get_jwt	3
ices_token	5
set_username	6

Index	7
--------------	----------

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](#)

Examples

```
## Not run:  
clear_token()  
  
## End(Not run)
```

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)
```

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

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

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)
```

ices_token	<i>ices_token</i>
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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 <code>getOption("ices.username")</code>
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	<i>Set your ICES username</i>
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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

[optionsgetOption](#)

Examples

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

Index

[add_headers](#), [5](#)

[clear_token](#), [2](#)

[decode_token](#), [2](#)

[GET](#), [5](#)

[getOption](#), [6](#)

[ices_get_jwt](#), [3](#)

[ices_patch_jwt \(ices_get_jwt\)](#), [3](#)

[ices_post_jwt \(ices_get_jwt\)](#), [3](#)

[ices_request_jwt \(ices_get_jwt\)](#), [3](#)

[ices_token](#), [5](#), [5](#)

[key_get](#), [2](#), [3](#), [6](#)

[options](#), [6](#)

[set_username](#), [6](#)

[Startup](#), [6](#)

[status_code](#), [5](#)

[stop_for_status](#), [5](#)

[token_expiration \(decode_token\)](#), [2](#)

[token_user \(decode_token\)](#), [2](#)

[username](#), [2](#), [3](#), [6](#)