Twitter Library

With the "Twitter Library", messages (tweets) can be sent directly from the PLC to Twitter.

Product description

With the `TwitterLibrary`, messages can be sent directly from the PLC to Twitter. Messages are sent via the "Rest API" from Twitter. Communication takes place via HTTPS and authentication by means of the OAuth protocol.

Functions

The package contains the `TwitterLibrary` and the `TwitterExample` example project.

`TwitterLibrary`

Messages are sent by means of the `SendTweet` function block. The messages are passed to the `wsMessage` input variables. Authentification takes place via the inputs `sOAuthConsumerKey`, `sConsumerSecret`, `sOAuthToken`, and `sOAuthTokenSecret`. You receive the data from Twitter when registering the application (see below). A rising edge at `xExecute` sends the message.
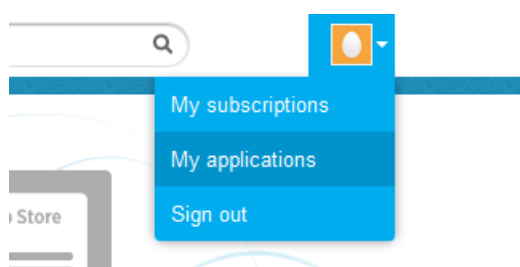
`TwitterExample`

This example uses a simple visualization to show how to use the `TwitterLibrary`. The access data must be specified in the `PROG` program.

Registration at Twitter

In order to send messages from an external application, users have to register the application on Twitter first. After successful registration, users receive the access data for the application.

Each registration step is described as follows:

1. Create an account at Twitter (www.twitter.com).
2. Login to the Twitter developer page (https://dev.twitter.com/).
3. The application can be registered below "My applications".

4. Click "Create a new application" and specify the data. Because the application should not be published as a public website, you can specify another URL, such as for your organization.
5. Attention: The access authorization of the application must be set at least to "Read and Write".
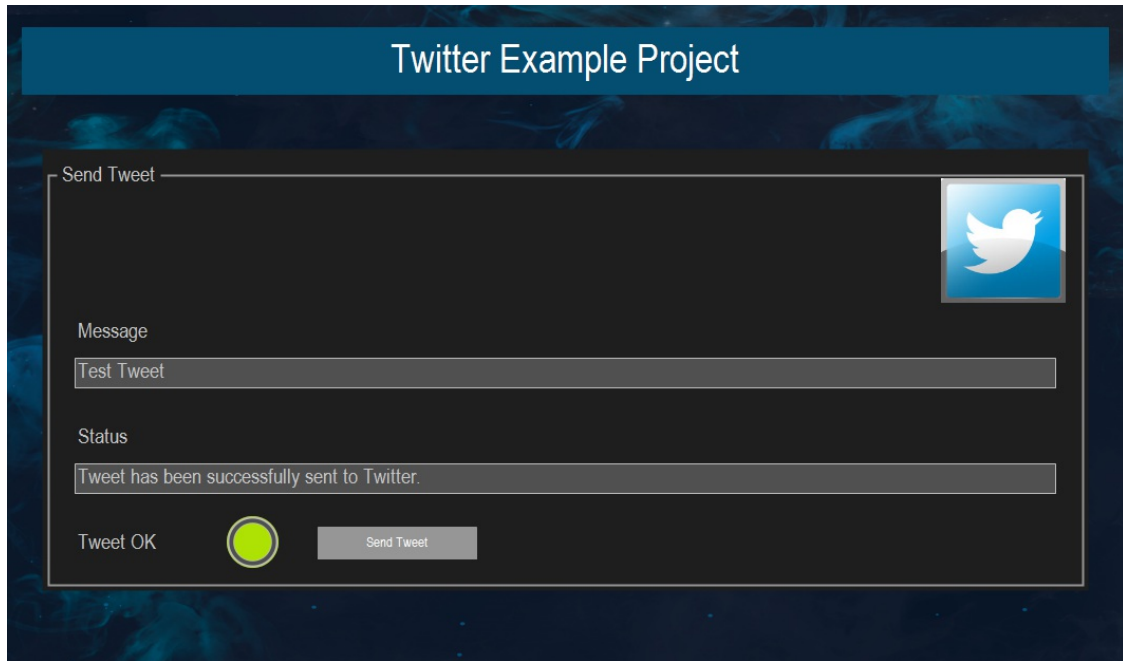

6. After registration, four keys are generated: "Consumer key", "Consumer secret", "Access token", and

"Access token secret". The keys are also displayed in the "OAuth tool" tab.

7. The keys can now be specified in the `PROG` program and passed to the `SendTweet` function block.

Visualization of the sample project "TwitterExample.project"

General information

Manufacturer:

3S-Smart Software Solutions GmbH
Memminger Strasse 151
87439 Kempten
Germany

Support:

https://support.codesys.com

Item:
Twitter Library
Item number:
000047
Sales:

CODESYS Store
https://store.codesys.com

Included in delivery:
- CODESYS software and / or license key with billing information
- For training courses and events: Booking confirmation

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.14.0 or higher
Runtime System	CODESYS Control Version 3.5.14.0
Supported Platforms/ Devices	Note: Use the project "Device Reader" to find out the supported features of your device. "Device Reader" is available for free in the CODESYS Store.
Additional Requirements	-
Restrictions	-

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.
Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.