1Worx Twitter stream extension

# Introduction

This extension allows for the querying of Twitters stream API to scan all of twitter for a certain string as well as posting status messages to the twitter account with the given credentials. It does not support historical queries.

# Installing

To install this extension in Thingworx use the import menu as with any other extension.

NB: You must first un-install the ‘Twitter’ and ‘TwitterEnhanced’ extensions if you have them installed, as they use an older version of the same Twitter4j library that this extension uses.

# Configuring

This extension must first connect to a twitter account set up with OAUTH before you can use it. You will need to set the token,tokenSecret,consumer and consumerSecret properties with the respective key values from your https://apps.twitter.com/ account. See <http://iag.me/socialmedia/how-to-create-a-twitter-app-in-8-easy-steps/> if you need help.

You must call the searchTwitter service at least once to connect to twitter.

# Receiving

Add a subscription to the TweetRecieved event and call the getLastFoundTweet service from it to retrieve the tweet details. Retweets are filtered out (both normal and ‘RT:‘ style) .

# Sending

To post a tweet call the updateStatus with a message parameter, it will be posted to the Twitter account specified with the OAUTH keys.

# Troubleshooting

# Rate Limits

The twitter API has strict limiting on the number of times you may connect to the API. Every time you change the search string a new connection is made. See the dev.twitter.com website for details. You will also be rate limited if you send too many status updates. To rectify rate limiting, disconnect from twitter using the disconnectTwitterStream service and wait some time before calling searchTwitter again which will reconnect. You may need to make new OAUTH credentials if you are being rate limited indefinitely.

# No data

If you aren’t receiving tweets you may not be connected to the Twitter API. Use the isConnected service to check if you have a connection. When you click save on your thing the connection is closed and re-opened. Doing this many times may cause you to be rate limited by twitter.