



Build a Twitter Bot with Nodejs

Tools

- **Twitter API**: If you have a Twitter account, you can utilize the Twitter API. You can read the API Documentation [here](#).
- **Node.js**: Visit the official [Node.js website](#) to download and install Node if you haven't already. Looking for a more in-depth tutorial? Check out my [Top Three Node.js courses](#).
- **Twitter NPM**: An NPM module that allows to easily interact with the Twitter API

First thing's first

- The only reason this bot will work is because of the Twitter API.
- We'll be creating a Node.js application that interacts with the Twitter API. In this application, the API will allow us to search for tweets, and favorite the tweets that our application finds.
- To use the Twitter API, we need some information! Head on over to the Twitter API (<https://developer.twitter.com/en/apps>) and create a new application

Get Token From Twitter API

- You'll have to fill out some information, then look for the following information under the *Keys and Access Tokens* tab. You may have to click *Generate Access Token* to create your access token.
 - Consumer Key
 - Consumer Secret
 - Access Token Key
 - Access Token Secret

App details

Keys and tokens

Permissions

Keys and tokens

Keys, secret keys and access tokens management.

Consumer API keys

wlENFeXmOjPQlgE [redacted] (API key)

HuYm9zR2LPTGQwg7 [redacted] lrgvCzSmyZOayRdcceuVu (API secret key)

Regenerate

Access token & access token secret

[redacted] 110528512-laRrfednSSA0JoC0aBNlpD2Hust6gEd (Access token)

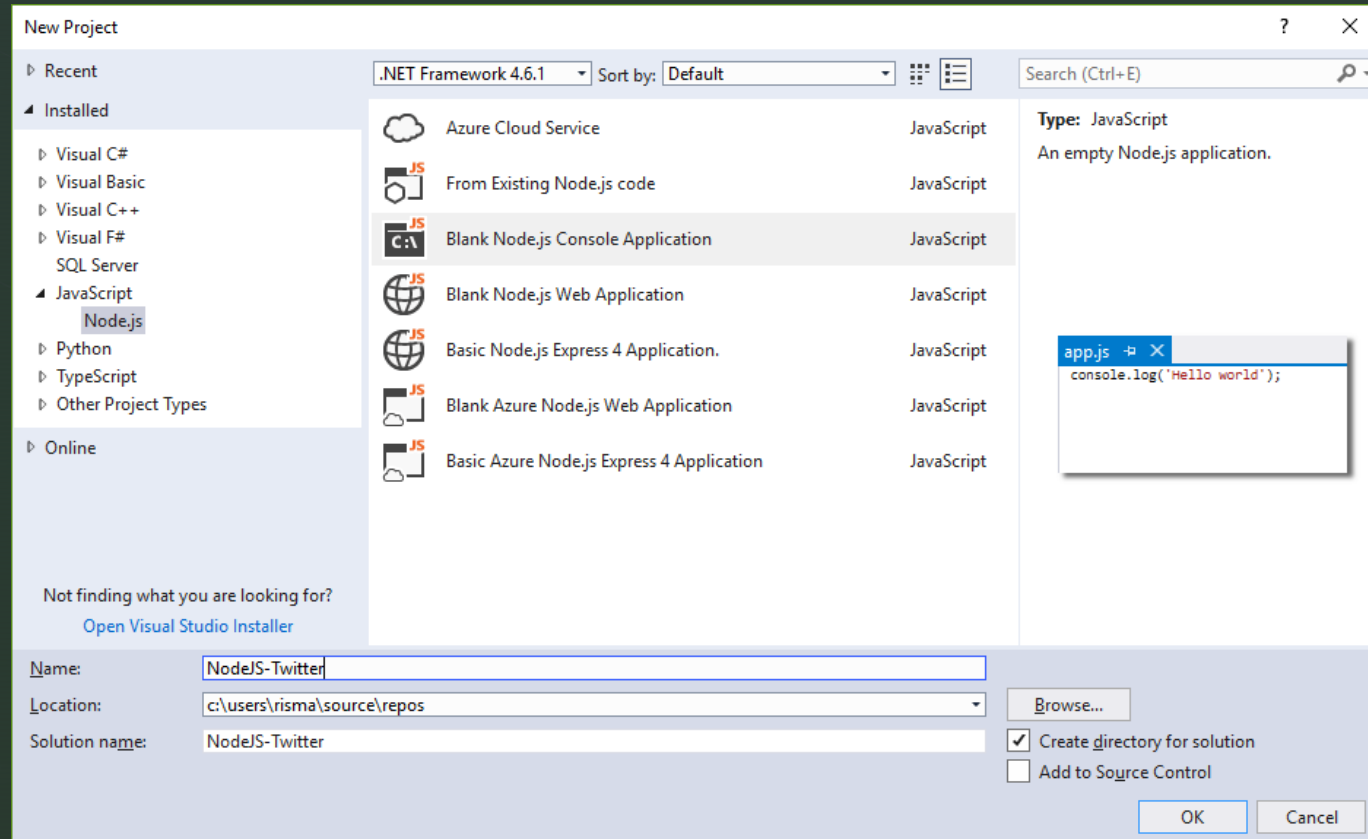
FjXgVNqkVyKzlumIG6NZv9JQ5 [redacted] d0PHotZ1ZN3 (Access token secret)

Read and write (Access level)

Revoke

Regenerate

Create New Project



Project Step

- Create two files, config.js and app.js
 - config.js file will store the configuration information.
 - app.js file will contain our twitter bot code.
- Install twitter library

```
npm install --save twitter
```


Config.js

```
1 // config.js
2 module.exports = {
3   consumer_key: '[REDACTED]',
4   consumer_secret: '[REDACTED]',
5   access_token_key: '[REDACTED]',
6   access_token_secret: '[REDACTED]',
7 }
8
```


app.js

```
1  var Twitter = require('twitter');
2  var config = require('./config.js');
3  var T = new Twitter(config);
4
5  // Set up your search parameters
6  var params = {
7    q: '#nodejs',
8    count: 10,
9    result_type: 'recent',
10   lang: 'en'
11 }
12
13 // Initiate your search using the above paramaters
14 T.get('search/tweets', params, function (err, data, response) {
15   // If there is no error, proceed
16   if (!err) {
17     // Loop through the returned tweets
18     for (let i = 0; i < data.statuses.length; i++) {
19       // Get name and tweets from the returned data
20       let name = data.statuses[i].user.name;
21       let text = data.statuses[i].text;
22       console.log('From : ' + name + ' => ' + text);
23     }
24     console.log('Press any key to continue.');
```

process.stdin.once('data', function () {

```
26     continueDoingStuff();
27   });
28 } else {
29   console.log(err);
30 }
31 })
```

Sample Apps Running

```
C:\Program Files\nodejs\node.exe
Debugger listening on ws://127.0.0.1:20696/b3999506-7d58-43dc-9e2e-13c3a44f8f60
For help see https://nodejs.org/en/docs/inspector
Debugger attached.
(node:10248) [DEP0062] DeprecationWarning: `node --inspect --debug-brk` is deprecated. Please use `node --inspect-brk` instead.
From : serginator rtbot => RT @msdev: The best way to learn is by doing. This e-book takes you from getting started to deploying with a hands-on approach to #NodeJS:...
From : Developer Highlights => RT @ahmedjr_16: 12 Best #WebDesign Courses Online for #WebDesigners
https://t.co/WtWB3SdzME
#SmallBusiness #SmallBiz #SMM #DigitalMarket...
From : 100daysofCode => RT @ahmedjr_16: 12 Best #WebDesign Courses Online for #WebDesigners
https://t.co/WtWB3SdzME
#SmallBusiness #SmallBiz #SMM #DigitalMarket...
From : Ashish Bedekar => RT @ahmedjr_16: 12 Best #WebDesign Courses Online for #WebDesigners
https://t.co/WtWB3SdzME
#SmallBusiness #SmallBiz #SMM #DigitalMarket...
From : React Developer => RT @everythingCour1: React js. From the beginning. w/ Redux and React Router by Robert Bunch
Link : https://t.co/O3p5WTTazA
#javascript30 #...
Press any key to continue.
```

Latihan

- Simpan data tweets yang didapat ke mongodb
- Data yang disimpan antara lain :
 - Id
 - User.Name
 - Tweets