

# README

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## STEP-1: Create a new QnA Maker service



Set up a QnA Maker service - QnA Maker - Azure Cognitive Services

<https://docs.microsoft.com/en-gb/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure>

## STEP-2: Create, train, and publish your QnA Maker knowledge base



Quickstart: Create, train, and publish knowledge base - QnA Maker - Azure Cognitive Services

<https://docs.microsoft.com/en-gb/azure/cognitive-services/qnamaker/quickstarts/create-publish-knowledge-base>

**STEP-3: You will need to acquire your keys and tokens from Twitter.**  
The following environment variables should be in your `.env` file:

```
1 TWITTER_CONSUMER_KEY=<Your Consumer Key from Your App>
2 TWITTER_CONSUMER_SECRET=<Your Consumer Secret from Your App>
3 TWITTER_ACCESS_TOKEN=<Your Access Token from Your App>
4 TWITTER_TOKEN_SECRET=<Your Access Token Secret from Your App>
5 TWITTER_APPLICATION_USERNAME=<The Twitter Account Screen Name of Your Bot>
6 TWITTER_ACTIVITY_ENV=<The Name You Gave to Your Twitter Environment>
7 TWITTER_WEBHOOK_URL=<The API Endpoint You Create to Handle Twitter Messages>
```

Your Twitter screen name for your bot and your application (Twitter app) name need to be the same.

## STEP-4: Registering Your Webhook and Subscribing Your App

The Twitter Activity API requires you to register a webhook (where they will send incoming messages), as well as subscribing to an account to receive messages about.

- The `/api/twitter/webhook` endpoint registers the URL that you want Twitter to hit when somebody interacts with your Twitter bot.

```
1 <Host URL>/api/twitter/webhook
2
3 For example:
4 https://shelleycurrie13bot.azurewebsites.net/api/twitter/webhook
5
6 /*
7     The TWITTER_APPLICATION_USERNAME will be the name
8     of your application and the screen name of the
9     Twitter account you're using for the bot.
10
11     The TWITTER_WEBHOOK_URL is the endpoint your bot
12     will listen on for events from Twitter.
13
14     The rest of the environment variables you can get
15     from your Twitter developer account once you
16     create an application.
17
18     For TWITTER_ACTIVITY_ENV, this will be the name
19     you give the environment where your account is
20     sandboxed.
21 */
```

- The `/api/twitter/webhook/list` returns a list of webhooks associated with the Twitter account connected to those keys. This list is a array of objects continued the webhook ID's and associated callback URLs.

```
1 <Host URL>/api/twitter/webhook/list
2
3 For example:
4 https://shelleycurrie13bot.azurewebsites.net/api/twitter/webhook/list
```

- Finally, we need to subscribe the bot to the Twitter account to receive messages. The `/api/twitter/subscription` endpoint returns true if the subscription was successfully added.

```
1 <Host URL>/api/twitter/subscription
2
3 For example:
4 https://shelleycurrie13bot.azurewebsites.net/api/twitter/subscription
```

## STEP-5: Deploy the bot on AZURE



Deploy your bot - Bot Service - Bot Service

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-deploy-az-cli?view=azure-bot-service-4.0&tabs=csharp>

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Described below are the endpoints that can be used to access **follow**, **retweet** and **like** services.

### 1. Follow new users



<https://shelleycurrie13bot.azurewebsites.net/api/follow>

<https://shelleycurrie13bot.azurewebsites.net/api/follow>

Parameters to be passed with the URL:

- **count**= < Number of users to follow > [Optional]

If **count** parameter not passed with the URL, then by default one user followed.

### 2. Like tweets



<https://shelleycurrie13bot.azurewebsites.net/api/like>

<https://shelleycurrie13bot.azurewebsites.net/api/like>

Parameters to be passed with the URL:

- **keyword**=< Word to be searched > [required]
- **from**=< Starting Date yyyy-mm-dd > [Optional]
- **to**= < Last Date yyyy-mm-dd > [Optional]

### 3. Retweet

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<https://shelleycurrie13bot.azurewebsites.net/api/retweet>

[https://shelleycurrie13bot.azurewebsites.net/  
/retweet](https://shelleycurrie13bot.azurewebsites.net/api/retweet)

Parameters to be passed with the URL:

- **keyword**=< Word to be searched > [**required**]
- **from**=< Starting Date yyyy-mm-dd> [**Optional**]
- **to**= < Last Date yyyy-mm-dd> [**Optional**]