Slackbot 101 Quick Start Guide

1. Get the code

Clone the repo

```
git clone git@github.com:ktcrain/slackbot101.git

cd slackbot101

npm install
```

Environment Config

Copy .env into slackbot101/.env

2. Join the Slack Workspace

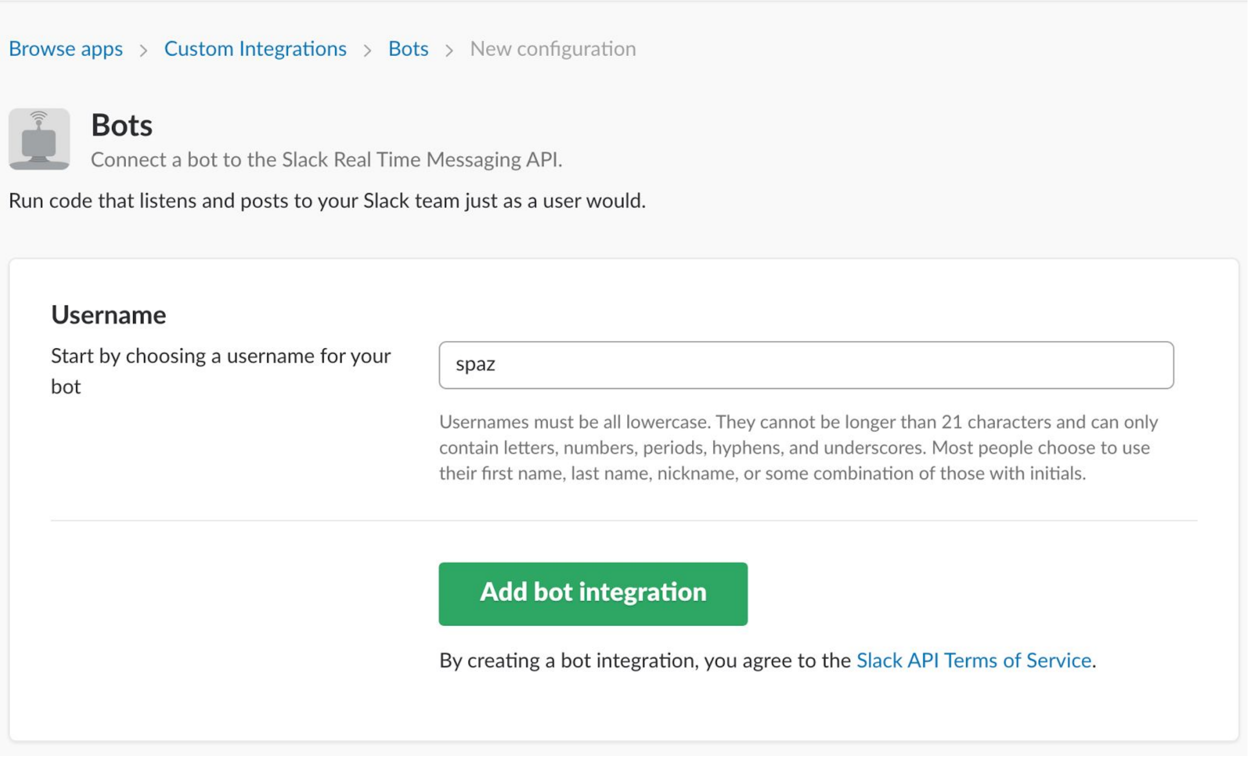
https://join.slack.com/t/gdi-slackbot101/shared_invite/enQtMjUzMDgzNTEwNjQzLTM3NThhZDE3Y2QxNGEwNjA5YmU5NWZmNWIyMDJhYzI1NzNjZTJmZjE0ODY3OTBiZTM0NDQ2Y2JjOGYxMWVlZDg

- Follow the prompts
- Verify your email address

3. Register your bot

https://gdi-slackbot101.slack.com/services/new/bot

Give it a name (you can always change it later)



Bots

Connect a bot to the Slack Real Time Messaging API.

Run code that listens and posts to your Slack team just as a user would.

Username

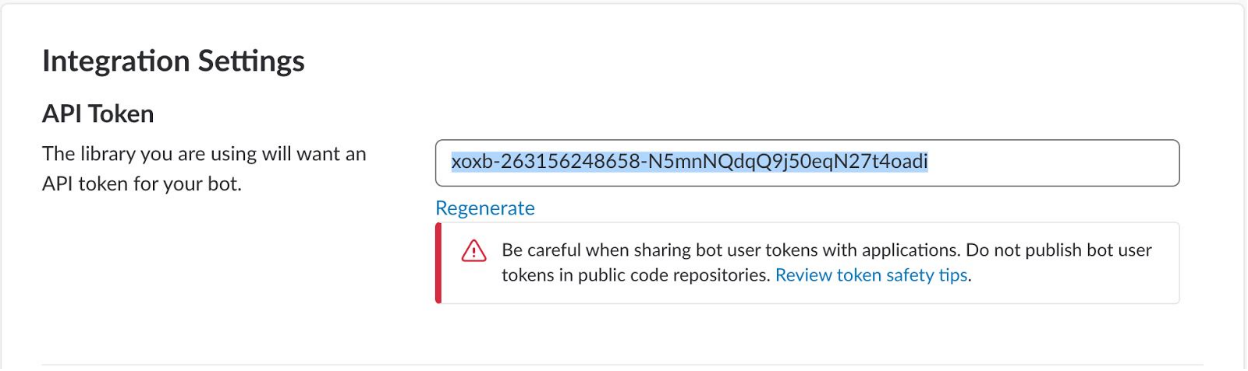
Start by choosing a username for your bot

spaz

Usernames must be all lowercase. They cannot be longer than 21 characters and can only contain letters, numbers, periods, hyphens, and underscores. Most people choose to use their first name, last name, nickname, or some combination of those with initials.

By creating a bot integration, you agree to the Slack API Terms of Service.

4. Copy the API token and bot name to your .env file



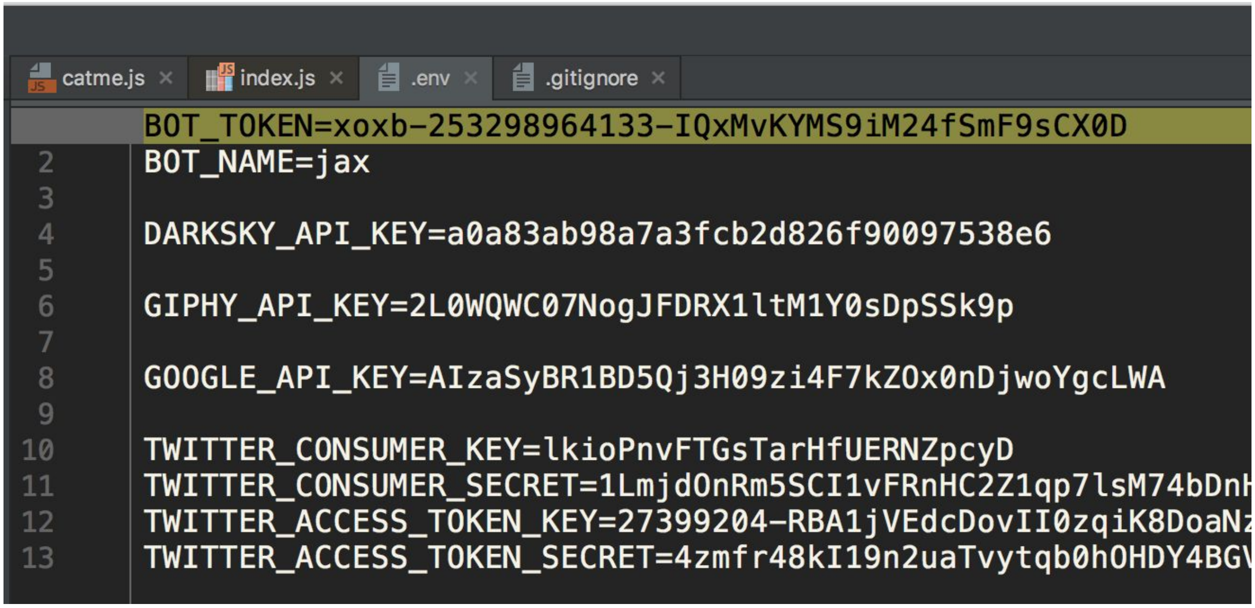
Integration Settings

API Token

The library you are using will want an API token for your bot.

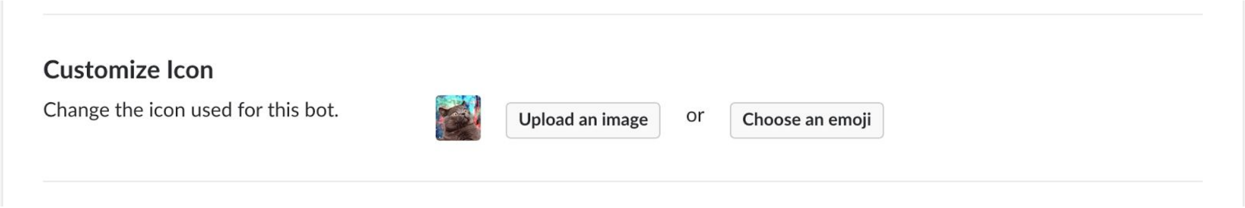
xoxb-263156248658-N5mnNQdqQ9j50eqN27t4oadi

⚠ Be careful when sharing bot user tokens with applications. Do not publish bot user tokens in public code repositories. Review token safety tips.



```
BOT_TOKEN=xoxb-253298964133-IQxMvKYMS9iM24fSmF9sCX0D
BOT_NAME=jax

DARKSKY_API_KEY=a0a83ab98a7a3fcb2d826f90097538e6

GIPHY_API_KEY=2L0WQWC07NogJFDRX1ltM1Y0sDpSSk9p

GOOGLE_API_KEY=AIzaSyBR1BD5Qj3H09zi4F7kZOx0nDjwoYgcLWA

TWITTER_CONSUMER_KEY=lkioPnvFTGsTarHfUERNZpcyD
TWITTER_CONSUMER_SECRET=1LmjdOnRm5SCI1vFRnHC2Z1qp7lsM74bDnH
TWITTER_ACCESS_TOKEN_KEY=27399204-RBA1jVEdcDovII0zqiK8DoaNz
TWITTER_ACCESS_TOKEN_SECRET=4zmfr48kI19n2uaTvytqb0hOHDY4BGV
```

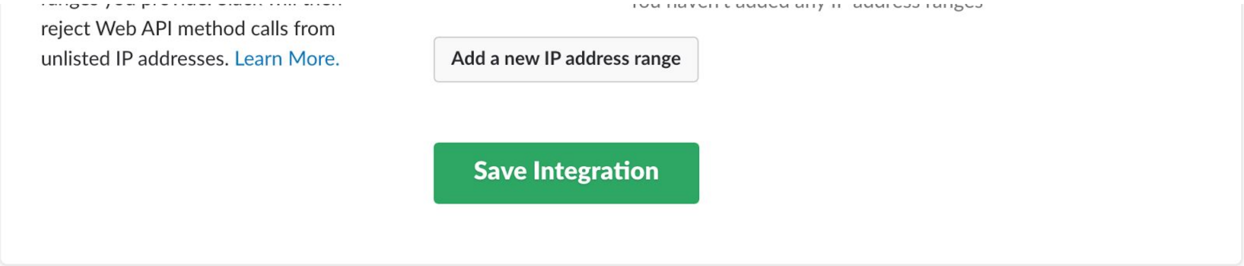
5. Customize your bot’s icon



Customize Icon

Change the icon used for this bot.

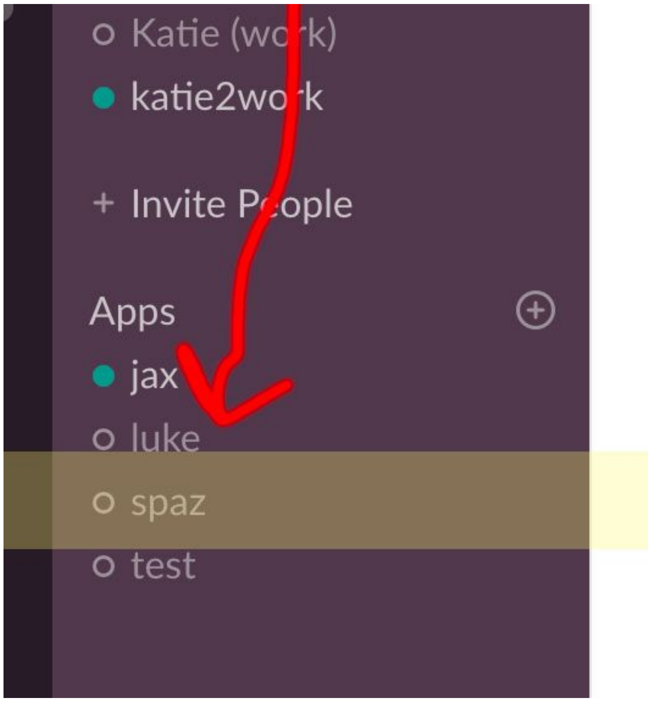
6. Save your progress



ranges you provide. Slack will then reject Web API method calls from unlisted IP addresses. Learn More.

You haven't added any IP address ranges

7. Verify your bot in Slack



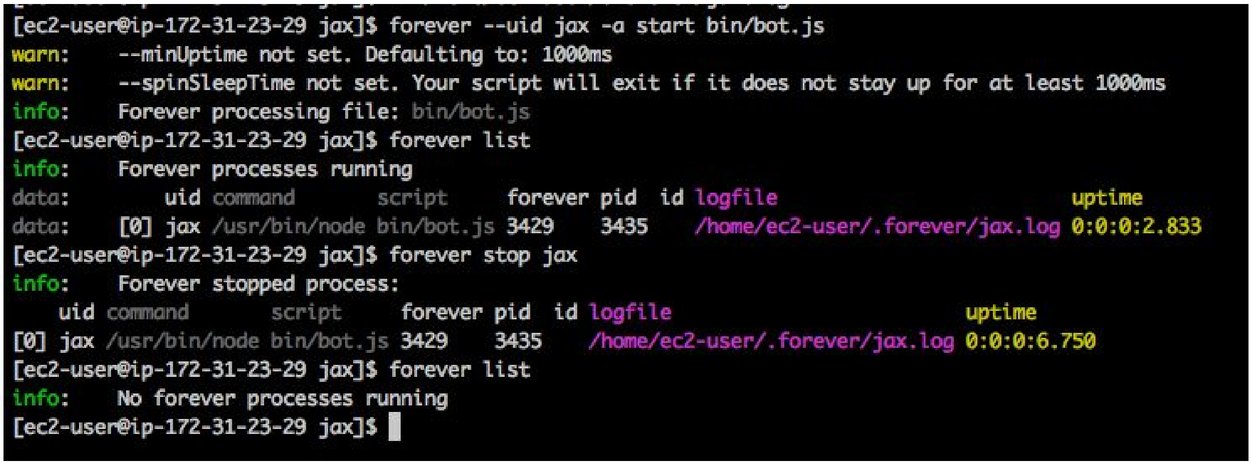
8. Start your bot

```
./node_modules/nodemon/bin/nodemon.js bin/basic.js
```

9. Deployment

- Create an empty repo on github. Name it slackbot101_{yourFirstNameLastName}
- Copy `slackbot101.pem to` *slackbot101/*`slackbot101.pem`
- Navigate to *slackbot101* in terminal and run the following one at a time:
    - Note: the “#” are comments. You do not run them.

```
# navigate one directory up from slackbot101
cd ../

# copy the code to a new folder
cp -R slackbot101/ slackbot102

# navigate to that folder
cd slackbot102

# remove the existing repo references
rm -rf .git

# create an empty git repo
git init

# add your repo to your GitHub remote
git remote add origin
https://github.com/{yourName}/{yourRepoName}.git

# push your changes to GitHub
git push -u origin master

# fix permissions on your Amazon EC2 authorization file
chmod 400 slackbot101.pem

# connect to the remote server
ssh -v -i "slackbot101.pem"
ec2-user@ec2-18-220-218-211.us-east-2.compute.amazonaws.com

# now you are on the remote server
# navigate to our class directory
cd slackbot101

# clone your repo
git clone https://github.com/{yourName}/{yourRepoName}.git

# navigate to your repo
cd {yourRepoName}

# install node modules
npm install

# add your.env file
vi .env

# hit (esc) (i) to get into insert mode
# paste the contents of your .env file in
# hit (esc) to exit insert mode
# hit shift :wq to save the file

# test run your bot
node ./bin/bot.js

# hit CTRL+C to stop your bot

# Run your bot with forever
forever --uid {INSERT_YOUR_BOT_NAME_HERE} -a start bin/bot.js

# To see if your forever process is running
forever list

# To stop your bot
forever stop {INSERT_YOUR_BOT_NAME_HERE}

# Note: If you ever make changes to your bot, you will need to
restart your forever process to load those changes
```



```
[ec2-user@ip-172-31-23-29 jax]$ forever --uid jax -a start bin/bot.js
warn:    --minUptime not set. Defaulting to: 1000ms
warn:    --spinSleepTime not set. Your script will exit if it does not stay up for at least 1000ms
info:    Forever processing file: bin/bot.js
[ec2-user@ip-172-31-23-29 jax]$ forever list
info:    Forever processes running
data:        uid command       script     forever pid  id logfile                          uptime
data:    [0] jax /usr/bin/node bin/bot.js 3429    3435    /home/ec2-user/.forever/jax.log 0:0:0:2.833
[ec2-user@ip-172-31-23-29 jax]$ forever stop jax
info:    Forever stopped process:
    uid command       script     forever pid  id logfile                          uptime
[0] jax /usr/bin/node bin/bot.js 3429    3435    /home/ec2-user/.forever/jax.log 0:0:0:6.750
[ec2-user@ip-172-31-23-29 jax]$ forever list
info:    No forever processes running
[ec2-user@ip-172-31-23-29 jax]$ 
```