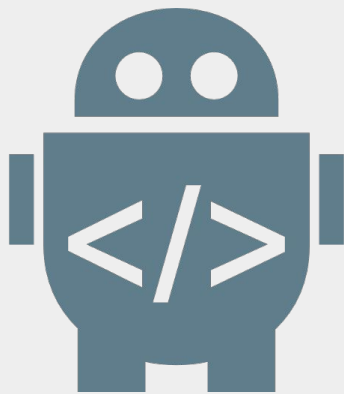


Do you want to build a



chatbot

Botkit Bot for Webex Team
Glitch, IFTTT, and more!

Getting started

1

Set up developer environment

Botkit: a developer tool that makes building bots easy

2

Create a bot application

3

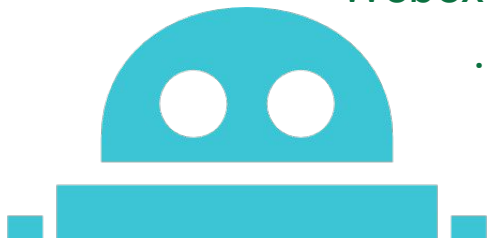
Register your bot on a platform

Slack
Facebook
Google Hangout
Webex Teams
...

4

Run & upgrade your bot

Either locally or via third-party (e.g. Glitch)



A Quick Walk-through

Register a bot on
Webex Teams Developer Portal



New Bot

Name*

Name of your bot in 100 characters or less.

Bot Username*

The username users will use to add your bot to a space. Cannot be changed later.

@webex.bot

Icon*

Exact size 512 (W) x 512 (H) in jpg or png format.
Upload your own or select from our defaults.



Upload



Default 1







Default 2



Default 3

Description*

Details of what your bot does, how it does, benefits, your business model and how an end user can get started in 1000 characters or less. Bullets and links markdown supported.



Supported markdown

By creating this app, you accept the [Terms of Service](#) and [Privacy Statement](#).

Create Bot

Cancel

A Quick Walk-through

Register a bot on
Webex Teams Developer Portal

- Remember Bot Username
- Get Access Token



Bot Username*
The username users will use to add your bot to a space. Cannot be changed later.

Icon*
Exact size 512 (W) x 512 (H) in jpg or png format.
Upload your own or select from our defaults.

Description*
Details of what your bot does, how it does, benefits, your business model and how an end user can get started in 1000 characters or less. Bullets and links markdown supported.

Bot's Access Token
Non-expiring (good for 100 years) access token for your bot.

Delete Bot
Deleting a bot cannot be undone.

my test

Edit

Copy

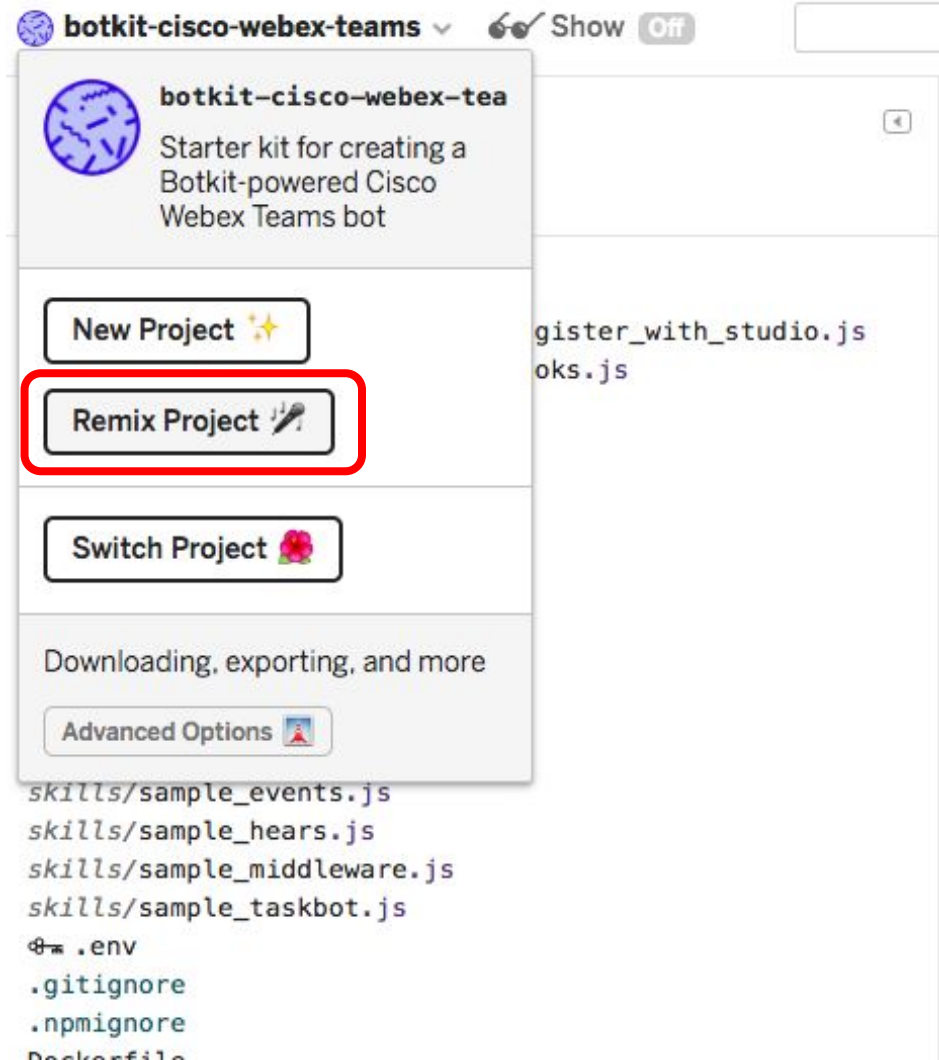
The Secret will only be shown once so please copy and keep it safe! You can always regenerate it, but you will not see this one again.

Delete Bot

A Quick Walk-through

Remix a [Botkit starter kit](#) on Glitch

- By remixing a project you actually “forks” the original project to your own repository



A Quick Walk-through

Remix a [Botkit starter kit](#) on Glitch

- You now have the freedom to make edits to the source code
- Complete the environment configuration by plugging in the access token, public address etc. (the last two are optional)



Share

Join

assets

components/express_mi
components/routes/inc
components/express_we
components/plugin_gli
components/subscribe_
docs/glitch_directory
public/default_icon.p
public/index.html
public/styles.css
public/success.html
skills/help.js
skills/sample_convers
skills/sample_events.
skills/sample_hears.j
skills/sample_middl
skills/sample_taskbot

.env

.gitignore
.npmignore
Dockerfile
app.json
bot.js
glitch_readme.md
package.json
readme.md

```
1 # Environment Config
2
3 # store your secrets and config variables in he
4 # only invited collaborators will be able to se
5 # reference these in your code with process.env
6
7 access_token=
8 public_address=
9 secret=
10 studio_token=
11 PORT=
12
13 # note: .env is a shell file so there can't be
14
```

A Quick Walk-through

When you see  Show Live your bot is ready to roll.

Welcome your bot to join a chat on Webex Teams !

Contact a person

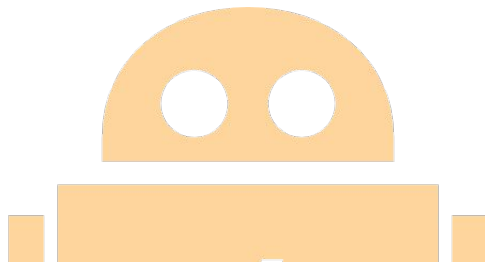
Start a conversation between you and just one other person.



Extending Skills: Hello, Bot!

Based on the [Botkit starter kit](#), we can extend the bot's skills by adding .js files into the *skills* folder.

Here is a simple example of a customized greetings module:




```
1~ module.exports = function(controller) {
2
3   // Sends a greeting when the bot joins the chat
4~   controller.on('bot_space_join', function(bot, message) {
5
6     bot.reply(message, 'I am a bot, here to do your bidding.');
7
8   });
9
10  // Sends a greeting when someone else joins the chat
11~  controller.on('user_space_join', function(bot, message) {
12
13    bot.reply(message, 'Hello, ' + message.raw_message.data.personDisplayName);
14
15  });
16
17  // listen for a message containing the word "hello", and send a reply
18~  controller.hears(['^hello', '^hi'], 'direct_mention,direct_message', function(bot, message) {
19
20    bot.reply(message, 'Hey there!');
21
22  });
23
24
25  };
```



```
1~ module.exports = function(controller) {
2
3   // Sends a greeting when the bot joins the chat
4~ controller.on('bot_space_join', function(bot, message) {
5
6     bot.reply(message, 'I am a bot, here to do your bidding.');
```



```
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8   });
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18~ controller.hears(['^hello', '^hi'], 'direct_mention,direct_message', function(bot, message) {
19
20    bot.reply(message, 'Hey there!');
```



```
21
22  });
23
24
25  };
```

Controller is the robot “brain”



```
1~ module.exports = function(controller) {  
2  
3   // Sends a greeting when the bot joins the chat  
4~   controller.on('bot_space_join', function(bot, message) {  
5  
6     bot.reply(message, 'I am a bot, here to do your bidding.');7  
8   });  
9  
10  // Sends a greeting when someone else joins the chat  
11~  controller.on('user_space_join', function(bot, message) {  
12  
13    bot.reply(message, 'Hello, ' + message.raw_message.data.personDisplayName);  
14  
15  });  
16  
17  // listen for a message containing the word "hello", and send a reply  
18~  controller.hears(['^hello', '^hi'], 'direct_mention,direct_message', function(bot, message) {  
19  
20    bot.reply(message, 'Hey there!');21  
22  });  
23  
24  
25  };
```

Part 1/2 of event handler:
“when [event] happens”



```
1~ module.exports = function(controller) {
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3   // Sends a greeting when the bot joins the chat
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6   bot.reply(message, 'I am a bot, here to do your bidding.');
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11~ controller.on('user_space_join', function(bot, message) {
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```
14
15   });
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17  // listen for a message containing the word "hello", and send a reply
18~ controller.hears(['^hello', '^hi'], 'direct_mention,direct_message', function(bot, message) {
19
20   bot.reply(message, 'Hey there!');
```

```
21
22   });
23
24
25 }
```

**Part 2/2 of event handler:
“the bot will [response]”**



Extending Skills: If [event] Then [response]

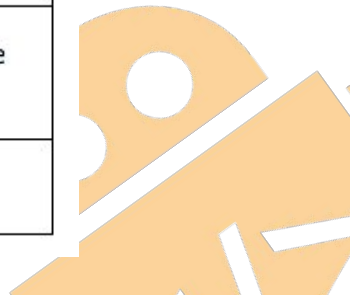
- Controller Object
 - `controller.hears()`
 - `controller.on()`
 - `controller.trigger()`
 - `controller.changeEars()` ...
- Bot Instance Object
 - `bot.reply()`
 - `bot.say()`
 - `bot.startConversation()`
 - `bot.startPrivateConversation()` ...
- Conversation Object
 - `convo.addMessage()`
 - `convo.addQuestion()`
 - `convo.gotoThread()` ...



Extending Skills: If [event] Then [response]

- Multiple types of events (including platform-specific ones)

Event	Description
message_received	In a 1:1 platform, indicates an incoming message from user has been received
direct_mention	In a multi-user platform, indicates a message was directed at the bot in a group channel "@bot hello"
mention	In a multi-user platform, indicates a message in a group channel mentioned the bot indirectly "hello @bot"
ambient	In a multi-user platform, indicates a message in a group channel that does not mention the bot in any way
direct_message	In a multi-user platform, indicates a message sent privately to the bot



Extending Skills: a Journal Bot

When combined with other applications, Bots can do more powerful things!

The following [example](#) shows how to build a bot to fetch journal article updates.



You 11:47 PM

hi



The Daily Prophet 11:47 PM

Hey there!



IFTTT on behalf of You 11:55 PM

journal nature



The Daily Prophet 11:55 PM

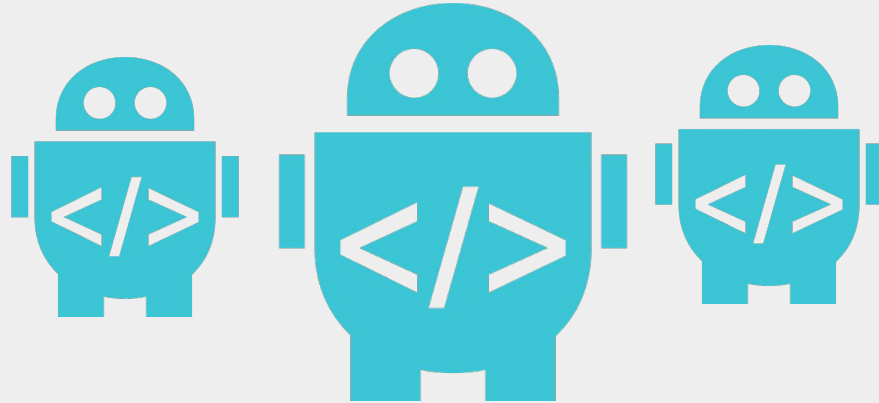
[1] A deep learning approach to automate refinement of somatic variant calling from cancer sequencing data; **[2]** Comparative genomics of the major parasitic worms; **[3]** Whole-genome sequencing of 175 Mongolians uncovers population-specific genetic architecture and gene flow throughout North and East Asia; **[4]** Multiple transmissions of de novo mutations in families; **[5]** Retinoic acid and BMP4 cooperate with p63 to alter chromatin dynamics during surface epithelial commitment; **[6]** Identification of phagocytosis regulators using magnetic genome-wide CRISPR screens; **[7]** ; **[8]** More Latest Research

More Power-up using IFTTT

New Applet

if  **this** then that

Have fun building !



Botkit Bot for Webex Team
Glitch, IFTTT, and more!

Reference

1. [Webex Teams Bots Doc](#)
2. [Botkit Doc](#)
3. [Office Slack Bot](#) by Tomi Tuhkanen