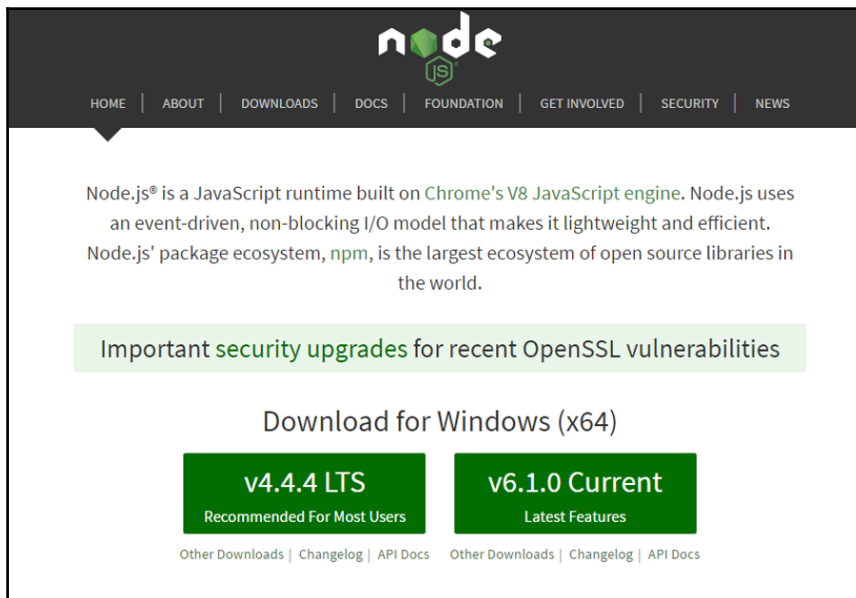


Graphics Bundle

Chapter 01



The screenshot shows the Node.js website homepage. At the top, there is a dark navigation bar with the Node.js logo and links for HOME, ABOUT, DOWNLOADS, DOCS, FOUNDATION, GET INVOLVED, SECURITY, and NEWS. Below the navigation bar, the main content area features a description of Node.js as a JavaScript runtime built on Chrome's V8 JavaScript engine, highlighting its event-driven, non-blocking I/O model and the npm package ecosystem. A prominent green callout box announces "Important security upgrades for recent OpenSSL vulnerabilities". Below this, the section "Download for Windows (x64)" offers two options: "v4.4.4 LTS" (Recommended For Most Users) and "v6.1.0 Current" (Latest Features). At the bottom, there are links for "Other Downloads | Changelog | API Docs" for both versions.

node
JS

[HOME](#) | [ABOUT](#) | [DOWNLOADS](#) | [DOCS](#) | [FOUNDATION](#) | [GET INVOLVED](#) | [SECURITY](#) | [NEWS](#)

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

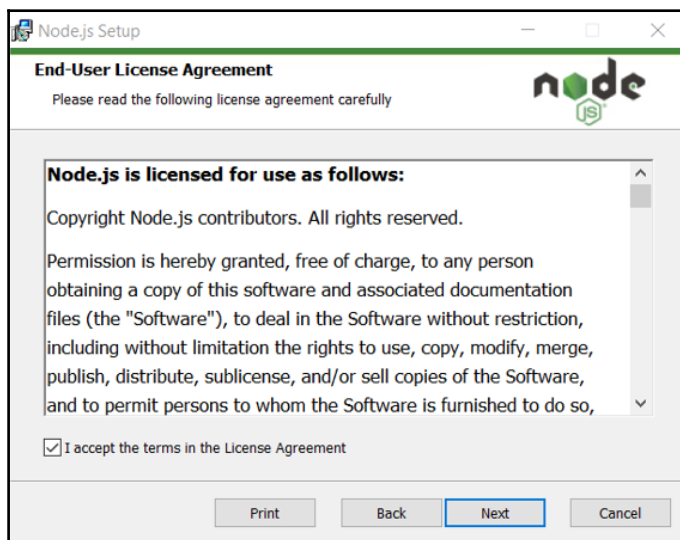
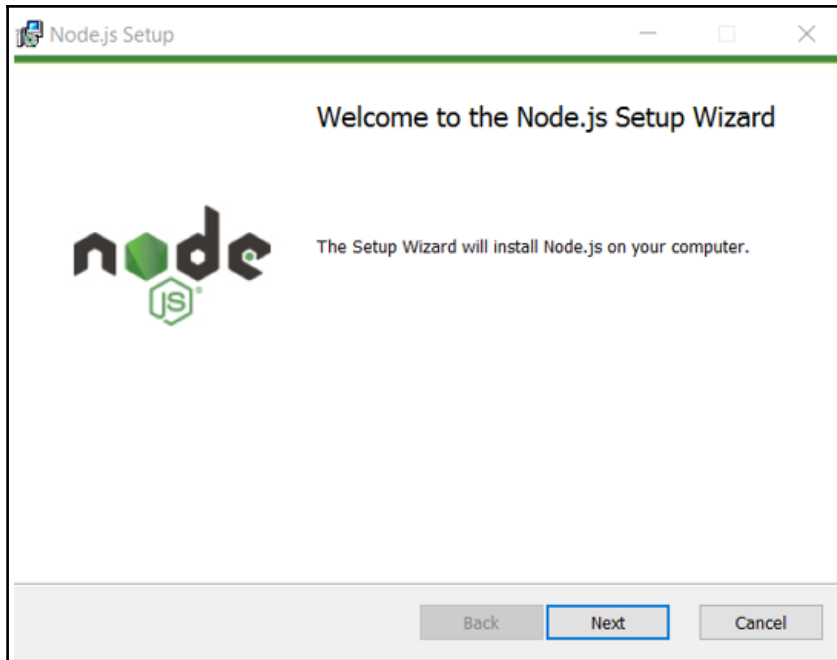
Important security upgrades for recent OpenSSL vulnerabilities

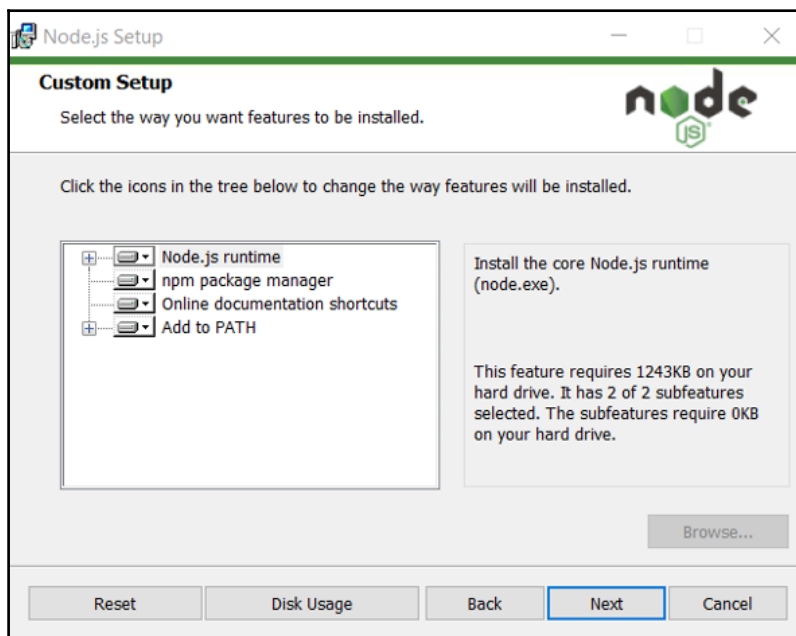
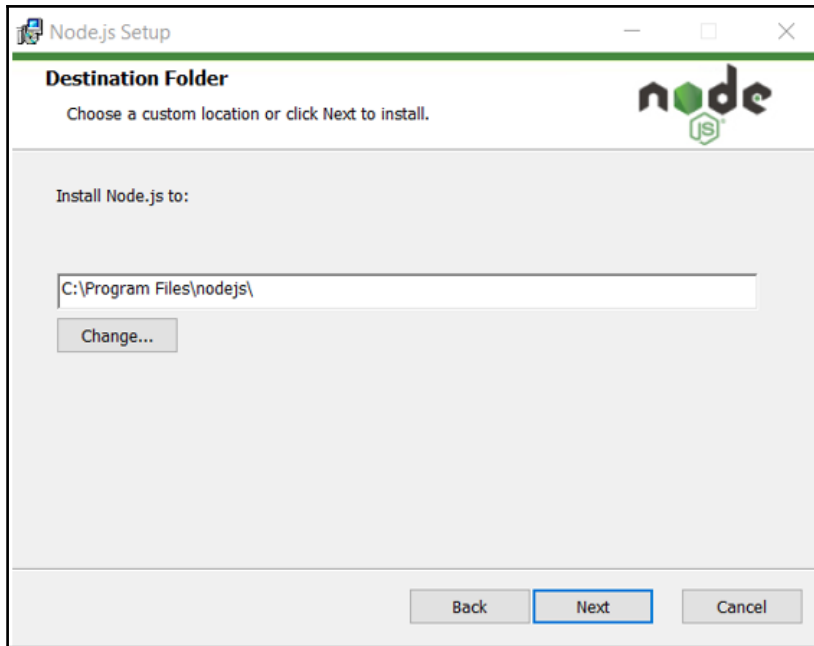
Download for Windows (x64)

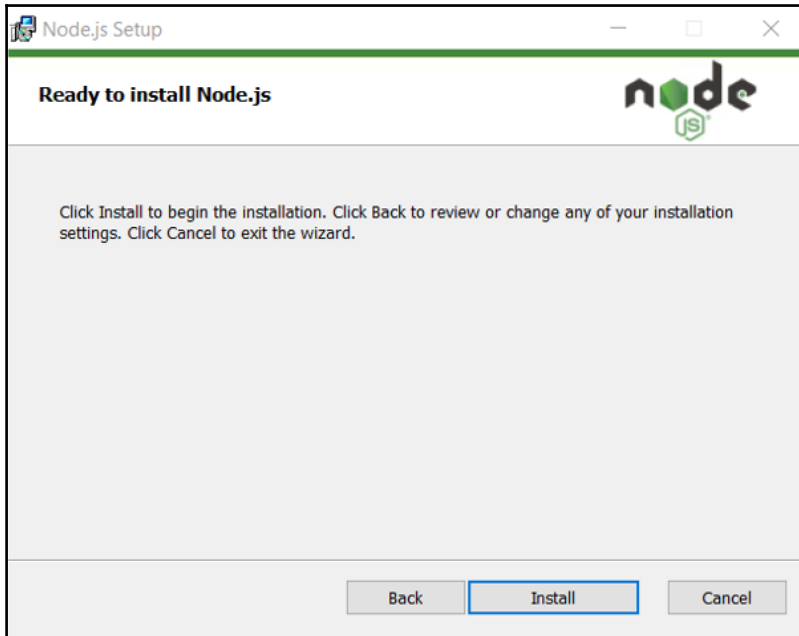
v4.4.4 LTS
Recommended For Most Users

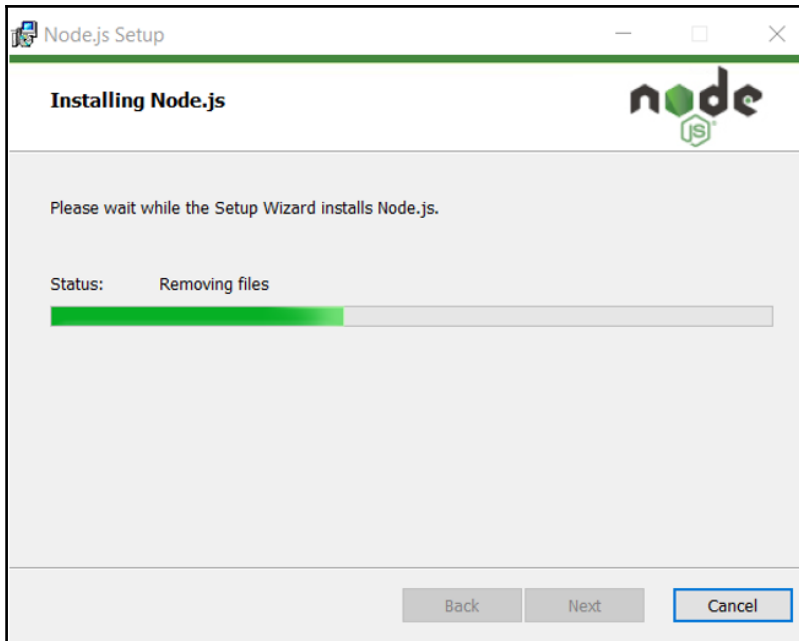
v6.1.0 Current
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#) [Other Downloads](#) | [Changelog](#) | [API Docs](#)









```
Command Prompt
name: (TwilioSmsBot) package
version: (1.0.0)
description: TwilioSmsBot
entry point: (app.js)
test command:
git repository:
keywords:
author: Ed Freitas
license: (ISC)
About to write to C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\TwilioSmsBot\package.json:
{
  "name": "package",
  "version": "1.0.0",
  "description": "TwilioSmsBot",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC"
}
```

```
app.js | package.json
{
  "name": "package",
  "version": "1.0.0",
  "description": "TwilioSmsBot",
  "main": "app.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC",
  "dependencies": {
    "twilio": "^2.9.1"
  }
}
```

BILLING OVERVIEW PAYMENT HISTORY RECURRING ITEMS PAYMENT METHODS PRICING

Billing Overview

Note: All billing dates and times are in UTC

\$ 11.04
remaining in your account

Auto Recharge: OFF
Enable to have your account automatically funded. [Enable Auto Recharge](#)

Make a one-time payment
Refill your balance with a one-time payment. [Add Funds](#)

Account Notifications

- We'll send an email when you reach \$10.00
- We'll disable your account at \$0.00

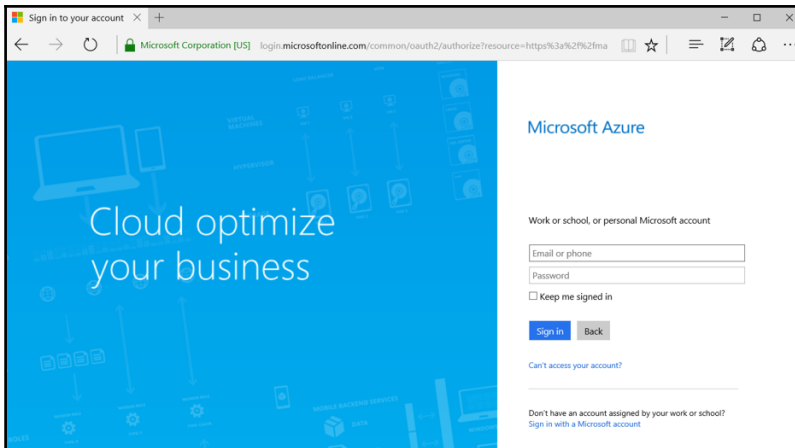
GETTING STARTED DASHBOARD MESSAGING SERVICES PHONE NUMBERS SHORT CODES

Messaging Phone Numbers

Advanced Phone Number Management [Buy a Number](#)

Number Voice URL [Filter](#)

Number	Friendly Name	Capabilities	Configuration
--------	---------------	--------------	---------------



```
Command Prompt
+-- winston@0.6.2
| +-- async@0.1.22
| +-- cycle@1.0.3
| +-- pkginfo@0.2.3
| `-- request@2.9.203
+-- wordwrap@0.0.2
+-- xml2js@0.1.14
| `-- sax@0.5.2
`-- xmlbuilder@0.4.3

C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\TwilioSm
sBot>azure login
Microsoft Azure CLI would like to collect data about how users use CLI
commands and some problems they encounter. Microsoft uses this information
to improve our CLI commands. Participation is voluntary and when you
choose to participate your device automatically sends information to
Microsoft about how you use Azure CLI.
```



```
Command Prompt
To disable data collection, execute: azure telemetry --disable

If you choose to not participate, you can enable at any time later by using
Azure CLI as follows:
1. Use the azure telemetry command to turn the feature On.
To enable data collection, execute: azure telemetry --enable

Select y to enable data collection :(y/n) n
n

You choose not to participate in Microsoft Azure CLI data collection.

info: Executing command login
\info: To sign in, use a web browser to open the page https://aka.ms/device
login. Enter the code [REDACTED] to authenticate.
-info: Added subscription [REDACTED]
info: Added subscription [REDACTED]
info: Added subscription [REDACTED]
info: Setting subscription [REDACTED] as default
+
info: login command OK

C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\TwilioSm
sBot>
```

```
Command Prompt - azure site create --git nodebotsite
help:
help: Current Mode: asm (Azure Service Management)

C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\TwilioSm
sBot>azure site create --git nodebotsite
info: Executing command site create
+ Getting sites
+ Getting locations
help: Choose a location
1) South Central US
2) North Europe
3) West Europe
4) Southeast Asia
5) East Asia
6) West US
7) East US
8) Japan West
9) Japan East
10) East US 2
11) North Central US
12) Central US
13) Brazil South
14) Canada Central
15) Canada East
:
```

```

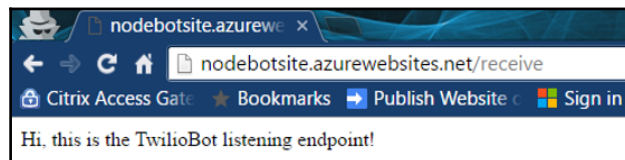
info:   Creating a new web site at nodebotsite.azurewebsites.net
/info:   Created website at nodebotsite.azurewebsites.net
+
info:   Executing `git init`
info:   Initializing remote Azure repository
+ Updating site information
info:   Remote azure repository initialized
+ Getting site information
+ Getting user information
info:   Executing `git remote add azure https://fastapps@nodebotsite.scm.azurewebsites.net/nodebotsite.git`
info:   A new remote, 'azure', has been added to your local git repository
info:   Use git locally to make changes to your site, commit, and then use 'git push azure master' to deploy to Azure
info:   site create command OK

```

```

remote: | +-- http-signature@0.10.1
remote: | | +-- asn1@0.1.11
remote: | | +-- assert-plus@0.1.5
remote: | | +-- ctype@0.5.3
remote: | +-- isstream@0.1.2
remote: | +-- json-stringify-safe@5.0.1
remote: | +-- mime-types@2.0.14
remote: | | +-- mime-db@1.12.0
remote: | +-- node-uuid@1.4.7
remote: | +-- oauth-sign@0.6.0
remote: | +-- qs@2.4.2
remote: | +-- stringstream@0.0.5
remote: | +-- tough-cookie@2.2.2
remote: | +-- tunnel-agent@0.4.3
remote: +-- scmp@0.0.3
remote: +-- string.prototype.startswith@0.2.0
remote: +-- underscore@1.8.3
remote:
remote: Finished successfully.
remote: Running post deployment command(s)...
remote: Deployment successful.
To https://fastapps@nodebotsite.scm.azurewebsites.net/nodebotsite.git
2622bc5..fe7661c master -> master

```



Properties Voice **Messaging**

Configure with URL TwiML App Messaging Service

Request URL ⓘ HTTP POST ▾

Fallback URL ⓘ HTTP POST ▾

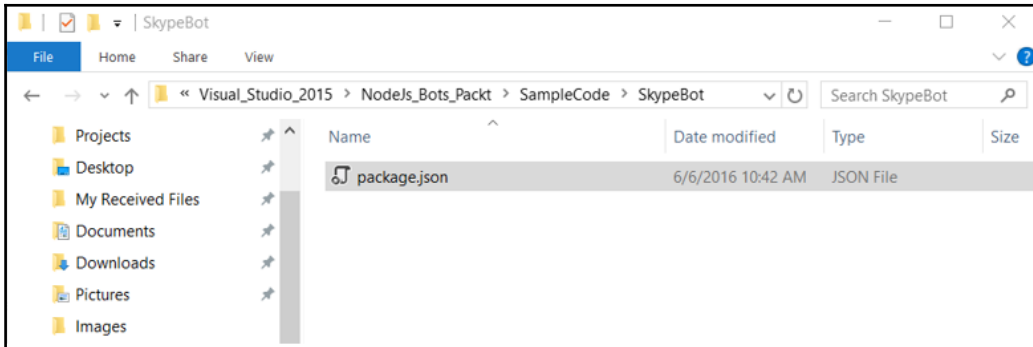
[Go to Detailed View](#)

Chapter 02

```
Command Prompt
test command:
git repository:
keywords:
author: Ed Freitas
license: (ISC)
About to write to C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\SkypeBot\package.json:
{
  "name": "skypebot",
  "version": "1.0.0",
  "description": "A Skype HR Bot",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC"
}

Is this ok? (yes) yes

C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\SkypeBot
>
```



```
Command Prompt
|-- ee-first@1.1.1
+-- parseurl@1.3.1
+-- path-to-regexp@0.1.7
+-- proxy-addr@1.0.10
| +-- forwarded@0.1.0
| |-- ipaddr.js@1.0.5
+-- qs@4.0.0
+-- range-parser@1.0.3
+-- send@0.13.1
| +-- destroy@1.0.4
| +-- http-errors@1.3.1
| | |-- inherits@2.0.1
| | +-- mime@1.3.4
| | |-- statuses@1.2.1
+-- serve-static@1.10.3
| |-- send@0.13.2
+-- type-is@1.6.13
| |-- media-typer@0.3.0
+-- utils-merge@1.0.0
  |-- vary@1.0.1

npm WARN skypebot@1.0.0 No repository field.

C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\SkypeBot
>
```

```
-- botbuilder@3.4.4
+-- async@1.5.2
+-- base64url@1.0.6
| +-- concat-stream@1.4.10
| | +-- readable-stream@1.1.14
| | | |-- isarray@0.0.1
| | | |-- typedarray@0.0.6
| | |-- meow@2.0.0
| | +-- camelcase-keys@1.0.0
| | | +-- camelcase@1.2.1
| | | |-- map-obj@1.0.1
| | +-- indent-string@1.2.2
| | | +-- get-stdin@4.0.1
| | | |-- repeating@1.1.3
| | | |-- is-finite@1.0.2
| | | |-- number-is-nan@1.0.1
| | +-- minimist@1.2.0
| | |-- object-assign@1.0.0
+-- chrono-node@1.2.5
| |-- moment@2.17.1
+-- jsonwebtoken@7.2.1
| +-- joi@6.10.1
| | +-- isemail@1.2.0
| | |-- topo@1.1.0
```

```
package.json — C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\SkypeBot\package.json — Atom
package.json
1 {
2   "name": "skypebot",
3   "version": "1.0.0",
4   "description": "A Skype HR Bot",
5   "main": "app.js",
6   "scripts": {
7     "test": "echo \\\"Error: no test specified\\\" && exit 1"
8   },
9   "author": "Ed Freitas",
10  "license": "ISC",
11  "dependencies": {
12    "express": "^4.13.4",
13    "skype-sdk": "file:skype-sdk.tar.gz"
14  },
15  "engines": {
16    "node": ">=5.6.0"
17  }
18 }
```

Microsoft

Bot Framework PREVIEW My bots Register a bot Documentation Bot Directory Blog

Build a great conversationalist.

Build and connect intelligent bots to interact with your users naturally wherever they are — from your website or app to text/SMS, Skype, Slack, Facebook Messenger, Office 365 mail, Teams and other popular services.

Sure Lili, I'm happy to help. Here are your most recent orders.

Order #5557-17
Candles
Balloons
Gift wrap
+ 7 other items

Order details

Tell us about your bot

Bot profile



Icon
Upload custom icon
30K max, png only

Name: * ?

Bot handle: * ?

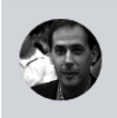
Description: * ?

Microsoft

Bot Framework PREVIEW My bots Register a bot Documentation Bot Directory

Tell us about your bot

Bot profile



Icon
[Upload custom icon](#)
30K max, png only

Name: * ?

Bot handle: * ?

Description: * ?

Configuration

Messaging endpoint:

Register your bot with Microsoft to generate a new App ID and password

[Create Microsoft App ID and password](#)

Paste your app ID below to continue

Generate App ID and password

App name

NodeJsPackSkypeBot

App ID

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Generate an app password to continue

New password generated

Copy this password now, this is the only time when it will be displayed. Please store it securely and paste it into your bot configuration file.

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Ok

Password [Learn More](#)

mmX*****

Delete

Finish and go back to Bot Framework

Configuration

Messaging endpoint:

Register your bot with Microsoft to generate a new App ID and password

[Manage Microsoft App ID and password](#)

Paste your app ID below to continue

Admin


Owners: ?

Instrumentation key: ?

By clicking Register, you agree to the [Privacy statement](#), [Terms of use](#), and [Code of conduct](#).

[Register](#) [Cancel](#)

```
C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\SkypeBot
>azure login
info: Executing command login
|info: To sign in, use a web browser to open the page https://aka.ms/deviceo
gin. Enter the code CZ3NECJ56 to authenticate.
|info: Added subscription BizSpark
|info: Added subscription Pay-As-You-Go
+
|info: login command OK
C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\SkypeBot
>
```



Microsoft Azure Cross-platform Command Line Interface

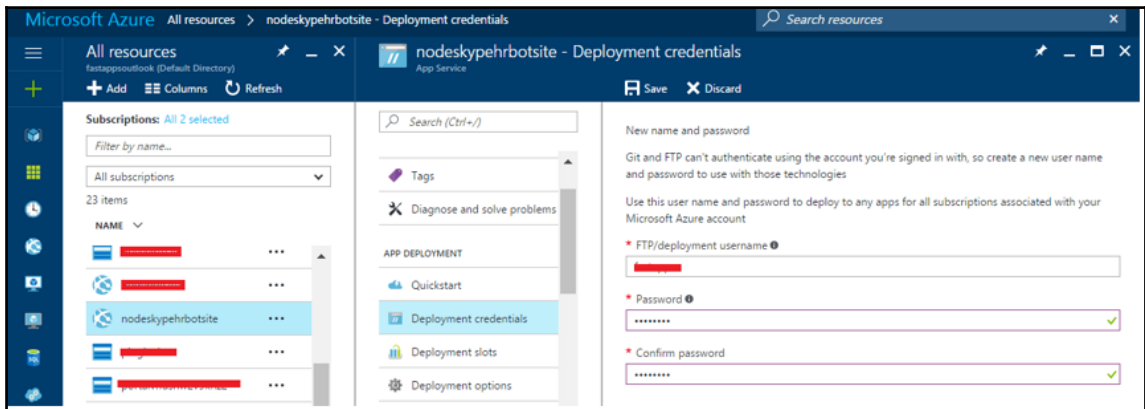
You have signed in to the Microsoft Azure Cross-platform Command Line Interface application on your device. You may now close this window.

```
>azure site create --git nodeskypehrbotsite
info: Executing command site create
+ Getting sites
+ Getting locations
help: Choose a location
 1) South Central US
 2) North Europe
 3) West Europe
 4) Southeast Asia
 5) East Asia
 6) West US
 7) East US
 8) Japan West
 9) Japan East
10) East US 2
11) North Central US
12) Central US
13) Brazil South
14) Australia East
15) Australia Southeast
16) Canada Central
17) Canada East
18) West Central US
19) West US 2
20) UK West
21) UK South
:
```

```

info:   Creating a new web site at nodeskypehrbotsite.azurewebsites.net
info:   Created website at nodeskypehrbotsite.azurewebsites.net
+
info:   Initializing remote Azure repository
+ Updating site information
info:   Remote azure repository initialized
+ Getting site information
+ Getting user information
info:   Executing `git remote add azure https://fastapps@nodeskypehrbotsite.scm.azurewebsites.net/nodeskypehrbotsite.git`
info:   A new remote, 'azure', has been added to your local git repository
info:   Use git locally to make changes to your site, commit, and then use 'git push azure master' to deploy to Azure
info:   site create command OK

```



```

remote: Finished successfully.
remote: Running post deployment command(s)...
remote: Deployment successful.
To https://fastapps@nodeskypehrbotsite.scm.azurewebsites.net/nodeskypehrbotsite.git
* [new branch]      master -> master

```

Configuration

Messaging endpoint:

Register your bot with Microsoft to generate a new App ID and password
[Manage Microsoft App ID and password](#)

Paste your app ID below to continue

Admin

Owners: [?](#)

Instrumentation key: [?](#)

By clicking Register, you agree to the [Privacy statement](#), [Terms of use](#), and [Code of conduct](#).


[Register](#) [Cancel](#)

By clicking Register, you agree to the [Privacy statement](#), [Terms of use](#), and [Code of conduct](#).

[Register](#) [Cancel](#)

Bot created

[OK](#)



NodeJsPacktSkypeBot

Details [Edit](#)

Bot handle
NodeJsPacktSkypeBot

Bot Framework Version
3.0



Messaging endpoint
<https://nodeskypehrbotsite.azurewebsites.net/api/...>

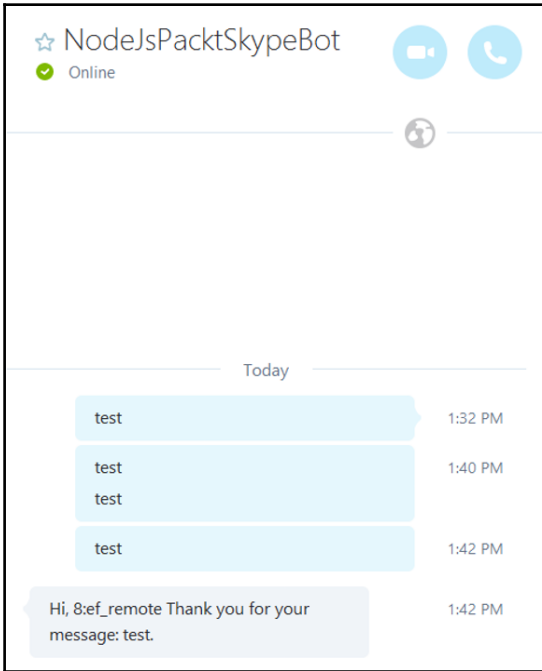
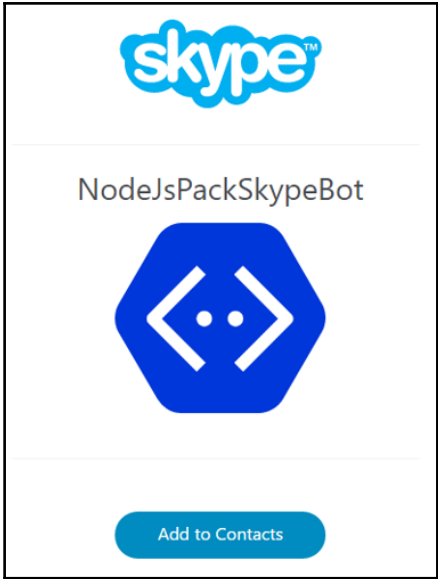
Microsoft App ID
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Test connection to your bot

[Test](#)

Channels

	Test link	Issues	Enabled	Published	
 Skype	Add to Skype	0	Yes	<input type="checkbox"/> Off	Edit
 Web Chat		0	Yes	<input type="checkbox"/> Off	Edit



Sign in to your account × +

Microsoft Corporation [US] login.microsoftonline.com/common/oauth2/authorize?resource=https%3a%2f%2fma

Cloud optimize your business

Microsoft Azure

Work or school, or personal Microsoft account

Email or phone

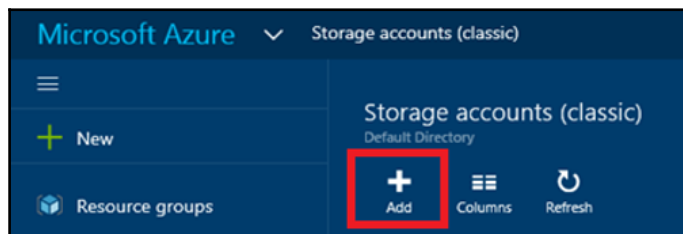
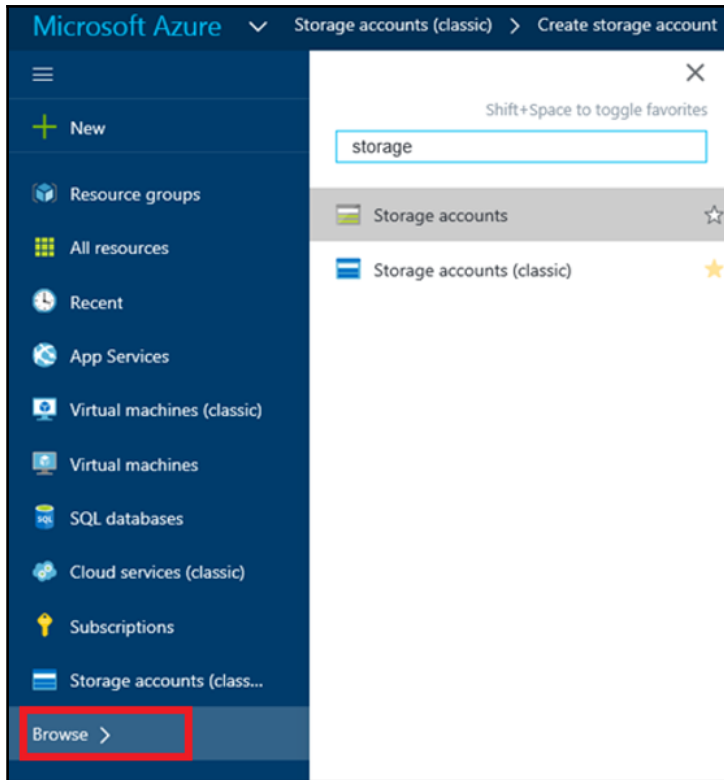
Password

Keep me signed in

[Sign in](#) [Back](#)

[Can't access your account?](#)

Don't have an account assigned by your work or school?
[Sign in with a Microsoft account](#)



Microsoft Azure Storage accounts (classic) Create storage account

Create storage account

The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

* Name .core.windows.net

Deployment model
Resource manager **Classic**

Performance
Standard Premium

Replication
Locally-redundant storage (LRS)

Subscription
BizSpark

* Resource group
+ New

New resource group name

Location
East US

Pin to dashboard

Create

The screenshot displays the 'Create storage account' interface in the Microsoft Azure portal. The left-hand navigation pane lists various Azure services, with 'Storage accounts (classic)' selected. The main content area is titled 'Create storage account' and includes a sub-header about pricing. Below this, several configuration options are presented: a text input for the account name (highlighted with a red box), a dropdown for the deployment model (set to 'Classic'), a performance tier selector (set to 'Standard'), a replication type dropdown (set to 'Locally-redundant storage (LRS)'), a subscription dropdown (set to 'BizSpark'), a resource group dropdown (set to '+ New'), a text input for a new resource group name, and a location dropdown (set to 'East US'). At the bottom of the configuration section, there is a 'Pin to dashboard' checkbox and a blue 'Create' button (highlighted with a red box).

The image shows a screenshot of the Azure portal interface for a storage account. The main window is titled "portalvhdsnw2v9knz27fk2 Storage account (classic)". It features a top navigation bar with "Settings" and "Delete" options. The main content area is divided into "Essentials" and "Monitoring" sections. The "Essentials" section includes "Services" (Blobs, Files, Tables, Queues) and "Monitoring" (Total requests today: 100). The right-hand pane is titled "Settings" and contains a search bar, "SUPPORT + TROUBLESHOOTING" (Audit logs, New support request), and "GENERAL" (Properties, Keys). The "Keys" option is highlighted with a red rectangle.

portalvhdsnw2v9knz27fk2
Storage account (classic)

Settings Delete

Essentials

Services Add tiles +

Blobs Files Tables Queues

Monitoring Add tiles +

Total requests today
100 Edit

Settings
portalvhdsnw2v9knz27fk2

Filter settings

SUPPORT + TROUBLESHOOTING

Audit logs >

New support request >

GENERAL

Properties >

Keys >



Azure Storage Explorer

HOME

SOURCE CODE

DOWNLOADS

DOCUMENTATION

DISCUSSIONS

ISSUES

PEOPLE

LICENSE

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★ Follow (435) | Subscribe

Azure Storage Explorer is not actively maintained and only receives updates about once a year. You may want to consider Microsoft's Azure Storage Explorer (a different tool) <http://storageexplorer.com>

New: Azure Storage Explorer 6 Preview 3 (August 2014)

Now available in the Downloads section

Modern code base, updated for latest cloud platform, APIs, and developer tools.

Preview 3 has blob, queue and table support.

Walk-through: <http://davidpallmann.blogspot.com/2014/08/azure-storage-explorer-preview-3-now.html>

Search Wiki & Documentation



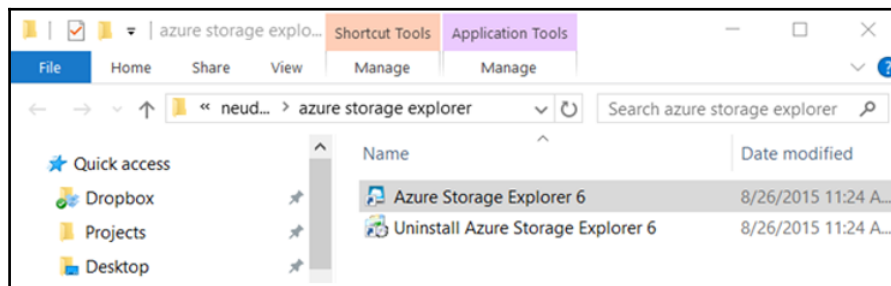
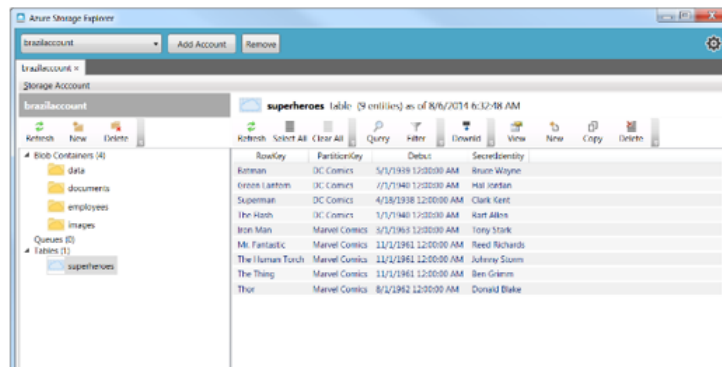
downloads

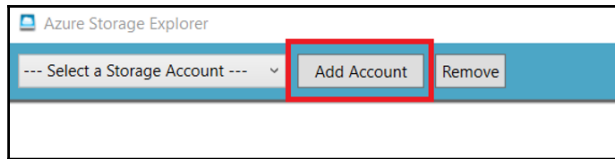
CURRENT	Azure Storage Explorer 6 Preview 3
DATE	Fri Aug 15, 2014 at 7:00 AM
STATUS	Beta
DOWNLOADS	175,392
RATING	★★★★☆ 34 ratings Review this release

MOST HELPFUL REVIEWS

★★★★☆ Please, stop trying to fetch the whole data when selecting a table (Table Storage)! It seems ridiculous! Tables may be quite large, ...
[\(more\)](#)

★★★★☆ Deletion of accounts is clunky. for instance, if you had delete the storage account in Azure and now you want to delete it in Azure...
[\(more\)](#)





Add Storage Account

Cloud Storage Account Local Developer Account

Storage account name:
Specify the storage account name

Storage account key:
Specify the storage account key

Microsoft Azure Default Microsoft Azure China Other (specify below)

Storage endpoints domain:
core.windows.net

Use HTTPS

Test Access Save Cancel

Enter the credentials for a Microsoft Azure Storage Account

HolidaysHRBot table (3 entities) as of 12/30/2016 1:09:30 AM

PartitionKey	RowKey	DaysLeft	DaysSick
Eduardo Freitas	Ed-Freitas	24	1
John Robinson	John-Robinson	25	0
John Smith	John-Smith	25	0

Hey, let me verify your user id
Eduardo Freitas (Ed-Freitas), bear
with me... 1:12 AM

I have verified your id, how can I help
you? Type a) for Holidays, b) for Sick
Leave.

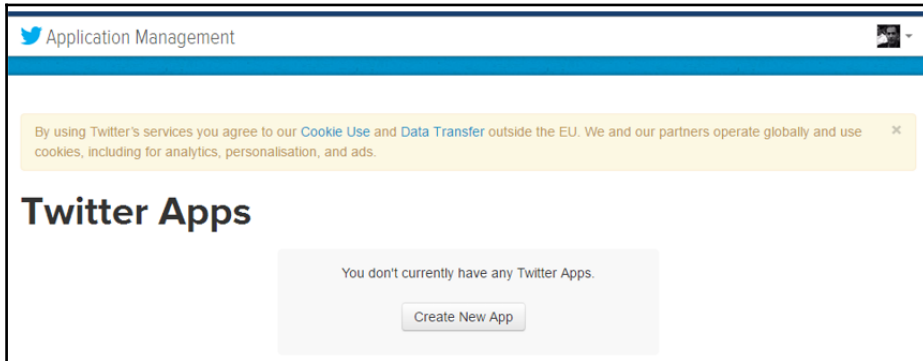
a) 1:12 AM

Please indicate how many vacation
days you will be requesting, i.e.: 3 1:12 AM

4 1:12 AM

Ed-Freitas(Eduardo Freitas), you have
chosen to take 4 holiday(s). Session
ended. 1:13 AM

Chapter 03



Application Details

Name *

Your application name. This is used to attribute the source of a tweet and in user-facing authorization screens. 32 characters max.

Description *

Your application description, which will be shown in user-facing authorization screens. Between 10 and 200 characters max.

Website *

Your application's publicly accessible home page, where users can go to download, make use of, or find out more information about your application. This fully-qualified URL is used in the source attribution for tweets created by your application and will be shown in user-facing authorization screens. (If you don't have a URL yet, just put a placeholder here but remember to change it later.)

Callback URL

Where should we return after successfully authenticating? OAuth 1.0a applications should explicitly specify their oauth_callback URL on the request token step, regardless of the value given here. To restrict your application from using callbacks, leave this field blank.

Developer Agreement


Yes, I have read and agree to the [Twitter Developer Agreement](#).

Your application has been created. Please take a moment to review and adjust your application's settings.

FlightBot

Test OAuth

Details Settings Keys and Access Tokens Permissions

 A Twitter Simple Flight Agent Bot
http://edfreitas.me

Organization

Information about the organization or company associated with your application. This information is optional.

Organization	None
Organization website	None

```
package.json  app.js
{
  "name": "package",
  "version": "1.0.0",
  "description": "FlightBot",
  "main": "app.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC"
}
```

```
Command Prompt
+-- bcrypt-pbkdf@1.0.0
|  |-- tweetnacl@0.14.3
+-- dashdash@1.14.0
|  |-- assert-plus@1.0.0
+-- ecc-jsbn@0.1.1
+-- getpass@0.1.6
|  |-- assert-plus@1.0.0
+-- jodid25519@1.0.2
+-- jsbn@0.1.0
|  |-- tweetnacl@0.13.3
+-- is-typedarray@1.0.0
+-- istream@0.1.2
+-- json-stringify-safe@5.0.1
+-- mime-types@2.1.11
|  |-- mime-db@1.23.0
+-- node-uuid@1.4.7
+-- oauth-sign@0.8.2
+-- qs@6.2.1
+-- stringstream@0.0.5
+-- tough-cookie@2.3.1
+-- tunnel-agent@0.4.3

npm WARN package@1.0.0 No repository field.
C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\FlightBot>
```



```
package.json      app.js
{
  "name": "package",
  "version": "1.0.0",
  "description": "FlightBot",
  "main": "app.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC",
  "dependencies": {
    "twitter": "^1.4.0"
  }
}
```

Application Management

FlightBot

Test OAuth

Details Settings **Keys and Access Tokens** Permissions

Application Settings

Keep the "Consumer Secret" a secret. This key should never be human-readable in your application.

Consumer Key (API Key) [REDACTED]

Consumer Secret (API Secret) [REDACTED]

Access Level: Read and write (modify app permissions)

Owner: [REDACTED]

Owner ID: [REDACTED]

Application Actions

Regenerate Consumer Key and Secret Change App Permissions

Your Access Token

You haven't authorized this application for your own account yet.

By creating your access token here, you will have everything you need to make API calls right away. The access token generated will be assigned your application's current permission level.

Token Actions

Create my access token

Your Access Token

This access token can be used to make API requests on your own account's behalf. Do not share your access token secret with anyone.

Access Token: [REDACTED]

Access Token Secret: [REDACTED]

Access Level: Read and write

Owner: [REDACTED]

Owner ID: [REDACTED]

Token Actions

Regenerate My Access Token and Token Secret Revoke Token Access


```

Command Prompt
body: {"created_at": "Wed Sep 07 10:57:23 +0000 2016", "id": 773475246322122752, "id_str": "773475246322122752", "text": "This is a sample automated Tweet", "truncated": false, "entities": {"hashtags": [], "symbols": [], "user_mentions": [], "urls": []}, "source": "\u003ca href=\\"http:\\\\edfreitas.me\\" rel=\\"nofollow\\" \u003eFlightBot\u003c\/a\u003e", "in_reply_to_status_id": null, "in_reply_to_status_id_str": null, "in_reply_to_user_id": null, "in_reply_to_user_id_str": null, "in_reply_to_screen_name": null, "user": {"id": 4715516122, "id_str": "4715516122", "name": "Ed Freitas", "screen_name": "csuccesstoday", "location": "", "description": "", "url": "https:\\\\t.co\\MJeJnieaD2", "entities": {"url": {"urls": [{"url": "https:\\\\t.co\\MJeJnieaD2", "expanded_url": "http:\\\\edfreitas.me", "display_url": "edfreitas.me", "indices": [0, 23]}]}, "description": {"urls": []}}, "protected": false, "followers_count": 1, "friends_count": 40, "listed_count": 0, "created_at": "Tue Jan 05 14:24:42 +0000 2016", "favourites_count": 0, "utc_offset": null, "time_zone": null, "geo_enabled": false, "verified": false, "statuses_count": 1, "lang": "en", "contributors_enabled": false, "is_translator": false, "is_translation_enabled": false, "profile_background_color": "F5F8FA", "profile_background_image_url": null, "profile_background_image_url_https": null, "profile_background_tile": false, "profile_image_url": "http:\\\\pbs.twimg.com\\profile_images\\773090679547396096\\t_LRn2t_normal.jpg", "profile_image_url_https": "https:\\\\pbs.twimg.com\\profile_images\\773090679547396096\\t_LRn2t_normal.jpg", "profile_banner_url": "https:\\\\pbs.twimg.com\\profile_banners\\4715516122\\1473154328", "profile_link_color": "2B7BB9", "profile_sidebar_border_color": "C0DEED", "profile_sidebar_fill_color": "DDEEF6", "profile_text_color": "333333", "profile_use_background_image": true, "has_extended_profile": false, "default_profile": true, "default_profile_image": false, "following": false, "follow_request_sent": false, "notifications": false}, "geo": null, "coordinates": null, "place": null, "contributors": null, "is_quote_status": false, "retweet_count": 0, "favorite_count": 0, "favorited": false, "retweeted": false, "lang": "en"} }


C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\FlightBot>

```

Tweets Tweets & replies


 **Ed Freitas** @csuccesstoday · 1m
This is a sample automated Tweet

↩ ↻ ❤ ...


 **Ed Freitas** @csuccesstoday · 3m
#FlightBot

↩ ↻ ❤ ...

```
C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\FlightBot>node app.js  
#FlightBot
```

 **Ed Freitas** @csuccesstoday · 27s
#FlightBot

↩ ↻ ❤ ...

 **Ed Freitas** @csuccesstoday · 56s
Hi @csuccesstoday, Thanks for reaching out. How are you?

↩ ↻ ❤ ...

AIR FRANCE_KLM


Welcome to the Air France-KLM APIs






Browse our API documentation to find what's available without being registered or signed in.


[View our APIs](#)






```
package.json      app.js
{
  "name": "package",
  "version": "1.0.0",
  "description": "FlightBot",
  "main": "app.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC",
  "dependencies": {
    "request": "^2.75.0",
    "twitter": "^1.4.0"
  }
}
```


Tweets Tweets & replies

 **Ed Freitas** @csuccesstoday · 57m
scheduledArrivalDateTime: 2016-10-07T09:35+02:00

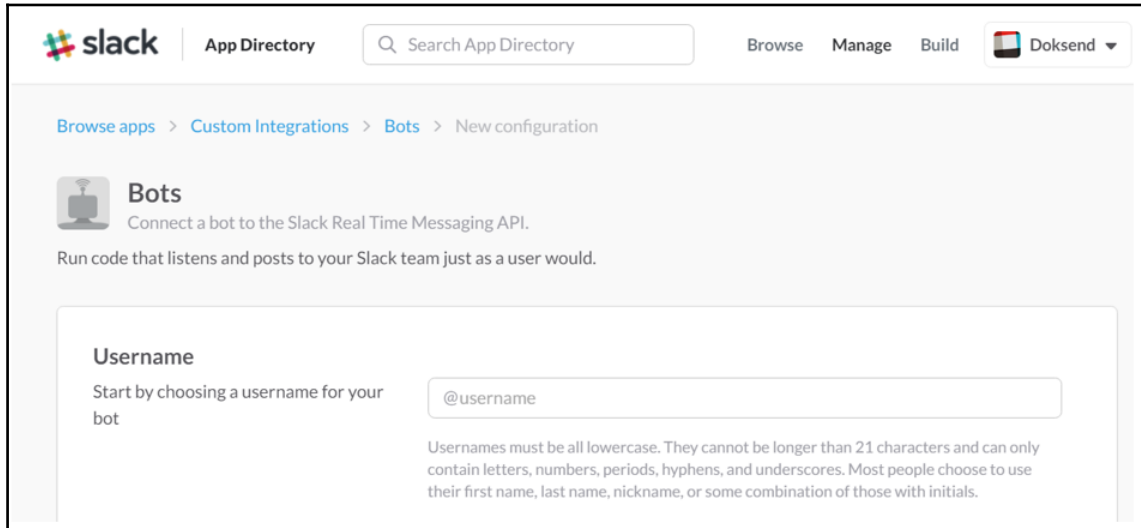
    

 **Ed Freitas** @csuccesstoday · 57m
#FlightBot KL1699

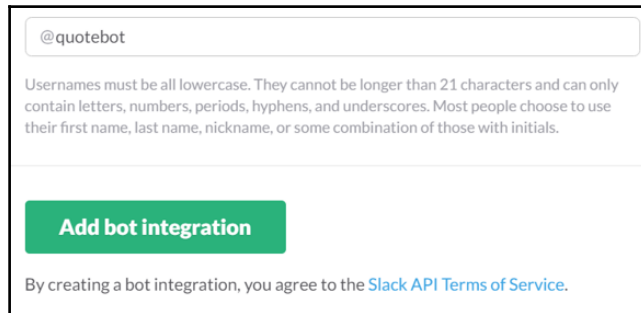
    



Chapter 04

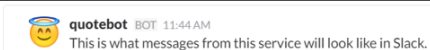


The screenshot shows the Slack App Directory interface for configuring a bot. At the top, there is a Slack logo, 'App Directory', a search bar with 'Search App Directory', and navigation links for 'Browse', 'Manage', 'Build', and a 'Doksend' dropdown menu. Below the navigation, a breadcrumb trail reads 'Browse apps > Custom Integrations > Bots > New configuration'. The main heading is 'Bots' with a sub-heading 'Connect a bot to the Slack Real Time Messaging API.' and a description 'Run code that listens and posts to your Slack team just as a user would.' A form section titled 'Username' asks to 'Start by choosing a username for your bot' and contains a text input field with the placeholder '@username'. Below the input field, a note states: '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.'



This close-up shows the 'Username' input field containing the text '@quotebot'. Below the input field, the same explanatory text about username rules is visible. At the bottom of the form, there is a prominent green button labeled 'Add bot integration'. Below the button, a line of text reads: 'By creating a bot integration, you agree to the [Slack API Terms of Service](#).'

Here's what messages from this integration will look like in Slack.



First & Last Name

You can choose a real name for your bot (optional).

What this bot does

Let others on your team know what this bot is used for (optional).

Channels

This bot is currently in the following channels.


quotebot is in no channels.

Integration Settings

API Token

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

[Regenerate](#)

 Be careful when sharing bot user tokens with applications. Do not publish bot user tokens in public code repositories. [Review token safety tips.](#)

Channels

This bot is currently in the following channels.

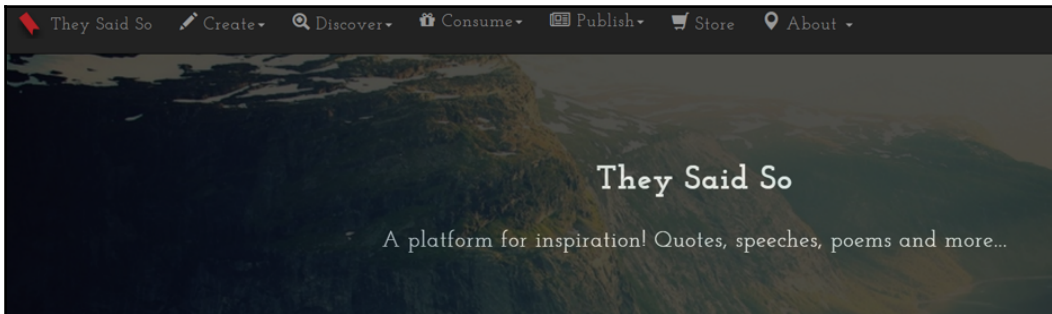
quotebot is in no channels.

[Save Integration](#)

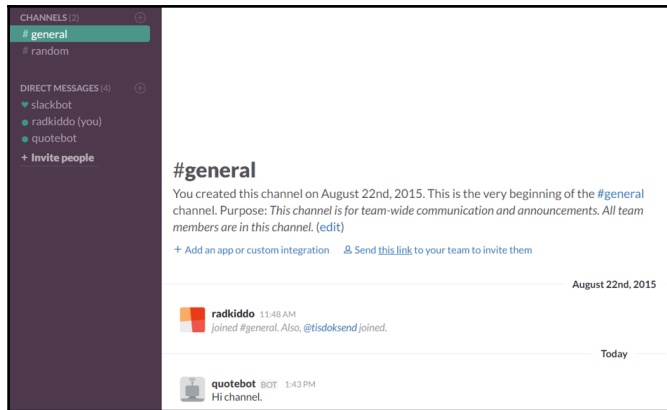
```
Command Prompt
test command:
git repository:
keywords:
author: Ed Freitas
license: (ISC)
About to write to C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Pack\SampleCode\SlackQuoteBot\package.json:

{
  "name": "quotebot",
  "version": "1.0.0",
  "description": "",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Ed Freitas",
  "license": "ISC"
}

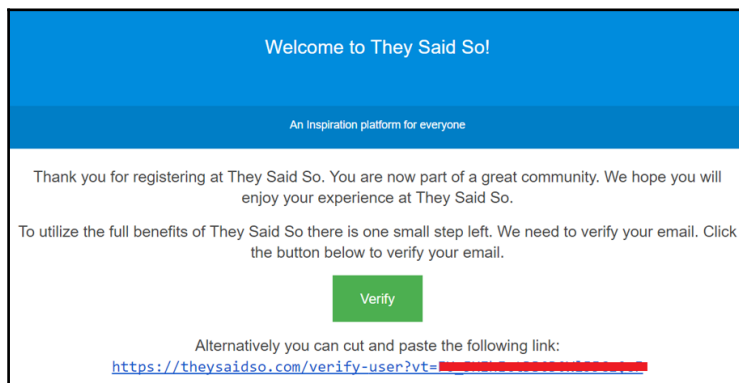
Is this ok? (yes) yes
```



```
package.json
1 {
2   "name": "quotebot",
3   "version": "1.0.0",
4   "description": "",
5   "main": "app.js",
6   "scripts": {
7     "test": "echo \"Error: no test specified\" && exit 1"
8   },
9   "author": "Ed Freitas",
10  "license": "ISC",
11  "dependencies": {
12    "request": "^2.76.0",
13    "slackbots": "^0.5.3"
14  }
15 }
16
```



The image shows a registration form for 'They Said So'. The form is titled 'They Said So Registration' and includes the following fields: 'First Name', 'Last Name', 'Email address', 'Password', and 'Retype Password'. There is a checkbox labeled 'Subscribe to our news letter' at the bottom of the form. The top navigation bar of the website is visible, showing 'They Said So', 'Create', 'Discover', 'Consume', 'Publish', 'Store', and 'About'.



Welcome to They Said So!
An Inspiration platform for everyone

Your email is verified

Your email is now verified. Here are some of the things you can do with They Said So.

- Create your own personal quotes or bookmark existing ones
- Store your own personal poems or bookmark existing ones
- Subscribe for daily email quotes
- Create curated quote images
- Create a great App using our API

Subscribe

The private API methods are accessible only through subscription. Drop us a note (Choose About > Contact) if you have any questions.

They Said So Quotes	They Said So Quotes Premium	They Said So Basic
\$24.99/mo No contracts. Anytime cancellation.	\$9.99/mo No contracts. Anytime cancellation.	\$4.99/mo No contracts. Anytime cancellation.
1 API Key	1 API Key	1 API Key
8,000 API Calls/Day	2,500 API Calls / Day	1000 API Calls / Day
Sign Up	Sign Up	Sign Up

If you don't want to subscribe directly from us, you can also get access through Mashape. Click the button below to visit our API at Mashape and subscribe from Mashape.

[Consume API](#)

marketplace Search APIs Explore APIs Docs Features Add Your API Sign Up Free Login

They Said So - Say it with style ★
 orthosie http://theysaidso.com Education, Entertainment Created: June 2013

They Said So has more than 1 million+ quotes in the database, the largest such database in the world. And Quotes API gives easy way to access the data. Random quotes, quote of the day and bible verses are all accessible from this simple REST API.

DOCUMENTATION PRICING ANNOUNCEMENTS API SUPPORT 0 API TERMS

Random Quote
 GET Authors
 GET Categories
 GET Quote
 QOD
 Bible

RANDOM QUOTE

Authors
 List of authors available in the system

URL PARAMETERS

start STRING 0
 Starting number for the result pagination

CURL JAVA NODE PHP PYTHON OBJECTIVE-C RUBY .NET

ENDPOINT DEFINITION

```
GET https://theysaidso.p.mashape.com/authors.json
```

REQUEST EXAMPLE

marketplace Search APIs Explore APIs Docs Features Add Your API Sign Up Free Login

They Said So - Say it with style ★
 orthosie http://theysaidso.com Education, Entertainment Created: June 2013

They Said So has more than 1 million+ quotes in the database, the largest such database in the world. And Quotes API gives easy way to access the data. Random quotes, quote of the day and bible verses are all accessible from this simple REST API.

127 DEVELOPERS 171 FOLLOWERS
 REPORT BROKEN API


DOCUMENTATION PRICING ANNOUNCEMENTS API SUPPORT 0 API TERMS

PAY AS YOU GO.
 No long-term contracts.

	BASIC	PRO	ULTRA <small>BEST</small>	MEGA
	\$0 MONTHLY	\$4.99 MONTHLY	\$9.99 MONTHLY	\$24.99 MONTHLY
api_limit	5 / day \$0.02 PER EXTRA	500 / day \$0.01 PER EXTRA	1,500 / day \$0.01 PER EXTRA	5,000 / day \$0.001 PER EXTRA
	SUBSCRIBE	SUBSCRIBE	SUBSCRIBE	SUBSCRIBE

Join for free in 7 seconds!

BE PART OF THE LARGEST API COMMUNITY



[SIGNUP WITH GITHUB](#)

OR

Username


Email Address

Password

[CREATE ACCOUNT](#)

By signing up you agree to our [terms of service](#)

Already a Mashaper? [Log in.](#)



Welcome to Mashape!

The most used API management platform by developers, like you.

API Consumer
I want to consume APIs for my Application

[Explore public APIs](#)

OR

API Provider
I want to document, collaborate or monetize my API

[+ Add your API](#)

DOCUMENTATION	PRICING
▼ Random Quote	
GET Authors	
GET Categories	
GET Quote	
▶ QOD	
▶ Bible	

Random Quote

- GET Authors
- GET Categories
- GET Quote**
- > QOD
- > Bible

Quote

Random Quote

URL PARAMETERS

author
STRING optional
Random quote from the given author

category
STRING optional
Category(tag) from which you want the resulting quote from

maxlength
NUMBER optional
Maximum length of resulting quote

minlength
NUMBER optional
Minimum required length of the resulting quote

CURL JAVA **NODE** PHP PYTHON OBJECTIVE-C RUBY .NET

GET <https://theysaidso.p.mashape.com/quote>

REQUEST EXAMPLE

```
// These code snippets use an open-source library. http://unirest.io
unirest.get("https://theysaidso.p.mashape.com/quote?query=software")
.header("X-Mashape-Key", "[REDACTED]")
.header("Accept", "application/json")
.end(function (result) {
  console.log(result.status, result.headers, result.body);
});
```

RESPONSE BODY

BASIC	PRO	ULTRA <small>BEST</small>	MEGA
\$0 MONTHLY	\$4.99 MONTHLY	\$9.99 MONTHLY	\$24.99 MONTHLY
<input checked="" type="radio"/> Subscribed	<input type="radio"/> SUBSCRIBE	<input type="radio"/> SUBSCRIBE	<input type="radio"/> SUBSCRIBE
5 /day \$0.02 PER EXTRA	500 /day \$0.01 PER EXTRA	1,500 /day \$0.01 PER EXTRA	5,000 /day \$0.001 PER EXTRA
<input type="radio"/> Subscribed	<input type="radio"/> SUBSCRIBE	<input type="radio"/> SUBSCRIBE	<input type="radio"/> SUBSCRIBE
Unsubscribe			

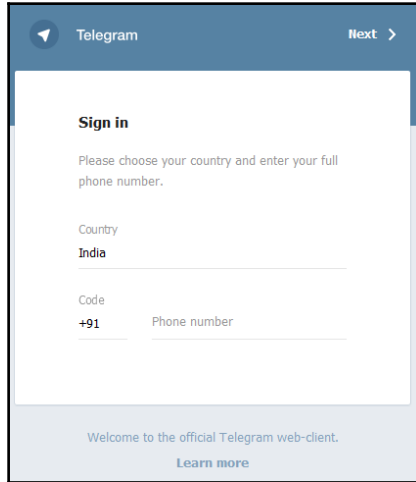
```
Command Prompt
{"message": "You need to subscribe to a plan before consuming the API"}
C:\Users\Fast\Documents\Visual_Studio_2015\NodeJs_Bots_Packt\SampleCode\SlackQuoteBot>node TestRequest.js
{
  "success": {
    "total": 1
  },
  "contents": {
    "quote": "This is monumental for me. I've been waiting so long for this.",
    "author": "Chris Feldman",
    "id": "52gVhES1oV9SFGXcfiqFAeF",
    "requested_category": null,
    "categories": []
  }
}
```

getquote

+ Message @quotebot

```
{
  "success": {
    "total": 1
  },
  "contents": {
    "quote": "It is my deliberate opinion that the one essential requisite of human welfare in all ways is scientific knowledge of human nature.",
    "author": "Harriet Martineau",
    "id": "cxYewykgu64xGRQhw__hyQeF",
    "requested_category": null,
    "categories": [
      "humannature",
      "nature"
    ]
  }
}
```

Chapter 05



Telegram Next >

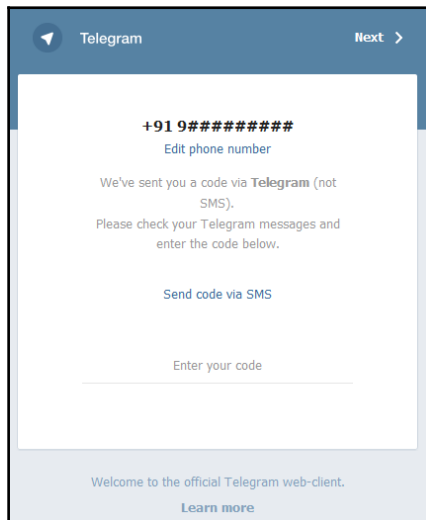
Sign in

Please choose your country and enter your full phone number.

Country
India

Code
+91 Phone number

Welcome to the official Telegram web-client.
[Learn more](#)



Telegram Next >

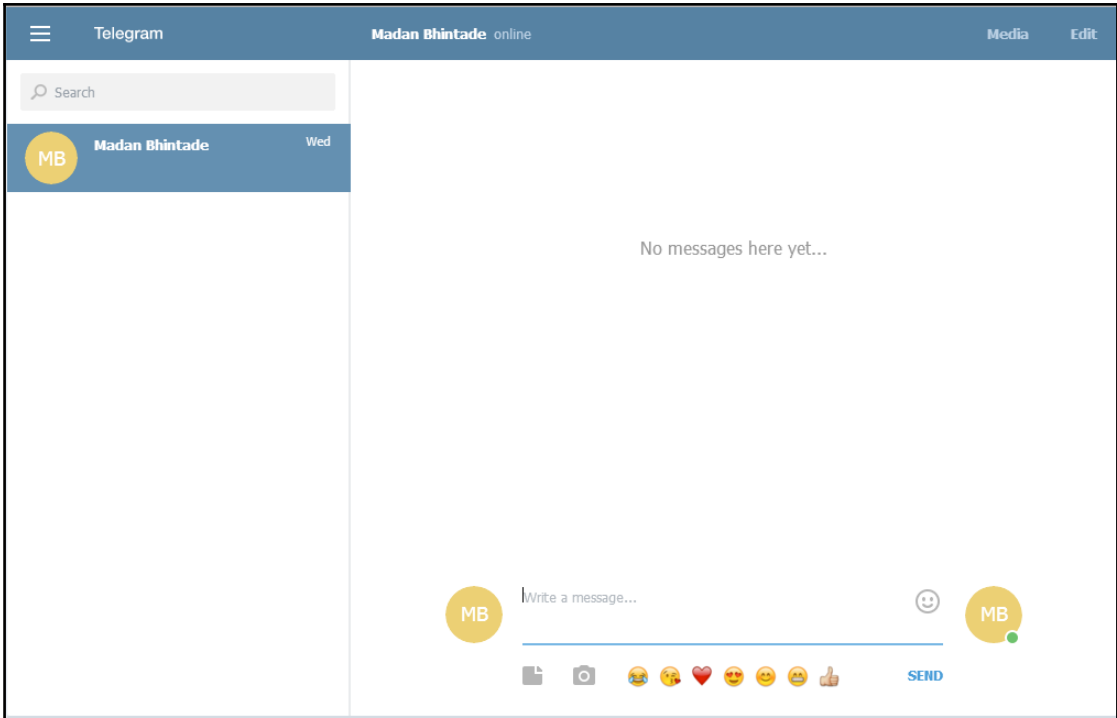
+91 9#####
[Edit phone number](#)

We've sent you a code via Telegram (not SMS).
Please check your Telegram messages and enter the code below.

[Send code via SMS](#)


Enter your code


Welcome to the official Telegram web-client.
[Learn more](#)



Telegram BotFather bot Media Edit

Search

 BotFather 4:54 PM

 MB Madan Bhintade Wed

Thursday, September 29, 2016

What can this bot do?

BotFather is the one bot to rule them all. Use it to create new bot accounts and manage your existing bots.

About Telegram bots:
<https://core.telegram.org/bots>
Bot API manual:
<https://core.telegram.org/bots/api>

Contact @BotSupport if you have questions about the Bot API.

START



BotFather

4:59:35 PM

They call me the Botfather, I can help you create and set up Telegram bots. Please read this manual before we begin:
<https://core.telegram.org/bots>

You can control me by sending these commands:

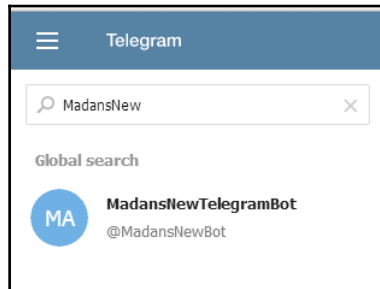
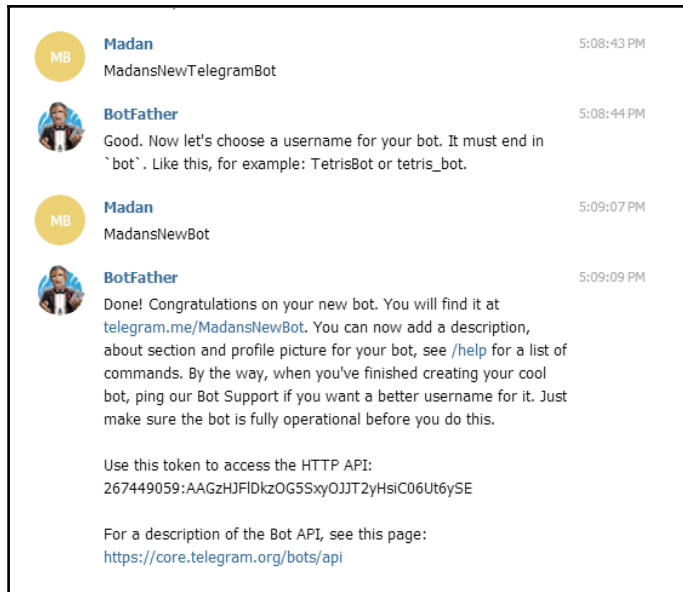
- `/newbot` - create a new bot
- `/token` - generate authorization token
- `/revoke` - revoke bot access token
- `/setname` - change a bot's name
- `/setdescription` - change bot description
- `/setabouttext` - change bot about info
- `/setuserpic` - change bot profile photo
- `/setinline` - change inline settings
- `/setinlinegeo` - toggle inline location requests
- `/setinlinefeedback` - change inline feedback settings
- `/setcommands` - change bot commands list
- `/setjoingroups` - can your bot be added to groups?
- `/setprivacy` - what messages does your bot see in groups?
- `/deletebot` - delete a bot
- `/cancel` - cancel the current operation



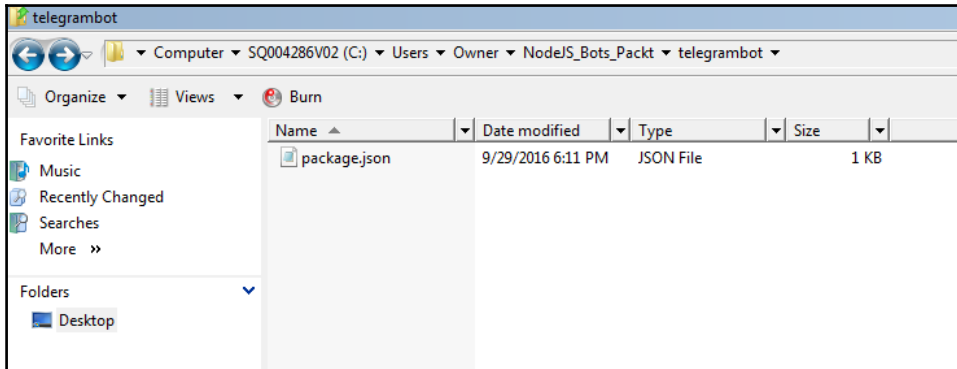
Write a message...



SEND



```
ex. Node.js command prompt
test command:
git repository:
keywords:
author: Madan Bhintade
license: (ISC)
About to write to C:\Users\Owner\NodeJS_Bots_Pack\telegrambot\package.json:
{
  "name": "telegrambot",
  "version": "1.0.0",
  "description": "\u00a0 Telegram Bot for Sentiment Analysis\u00a0",
  "main": "app.js",
  "scripts": {
    "test": "echo \u00a0Error: no test specified\u00a0" && exit 1"
  },
  "author": "Madan Bhintade",
  "license": "ISC"
}
```



```
Node.js command prompt
C:\Users\Owner\NodeJS_Bots_Pack\telegrambot>npm install express --save
npm WARN package.json telegrambot@1.0.0 No repository field.
npm WARN package.json telegrambot@1.0.0 No README data
express@4.14.0 node_modules\express
├── escape-html@1.0.3
├── cookie-signature@1.0.6
├── vary@1.1.0
├── methods@1.1.2
├── utils-merge@1.0.0
├── content-type@1.0.2
├── fresh@0.3.0
├── parseurl@1.3.1
├── etag@1.7.0
├── array-flatten@1.1.1
├── path-to-regexp@0.1.7
├── merge-descriptors@1.0.1
├── range-parser@1.2.0
├── encodeurl@1.0.1
├── cookie@0.3.1
├── serve-static@1.11.1
├── content-disposition@0.5.1
├── depd@1.1.0
├── on-finished@2.3.0 <ee-first@1.1.1>
├── finalhandler@0.5.0 <unpipe@1.0.0, statuses@1.3.0>
├── qs@6.2.0
├── proxy-addr@1.1.2 <forwarded@0.1.0, ipaddr.js@1.1.1>
├── debug@2.2.0 <ms@0.7.1>
├── accepts@1.3.3 <negotiator@0.6.1, mime-types@2.1.12>
├── type-is@1.6.13 <media-typer@0.3.0, mime-types@2.1.12>
├── send@0.14.1 <destroy@1.0.4, statuses@1.3.0, ms@0.7.1, mime@1.3.4, http-error
s@1.5.0>
C:\Users\Owner\NodeJS_Bots_Pack\telegrambot>
```

```

C:\Users\Owner\NodeJS_Bots_Packt\telegrambot>npm install node-telegram-bot-api
npm WARN package.json telegrambot@1.0.0 No repository field.
npm WARN package.json telegrambot@1.0.0 No README data
node-telegram-bot-api@0.23.3 node_modules\node-telegram-bot-api
├── eventemitter3@1.2.0
├── file-type@3.8.0
├── mime@1.3.4
├── debug@2.2.0 (ms@0.7.1)
├── pump@1.0.1 (once@1.4.0, end-of-stream@1.1.0)
├── bl@1.1.2 (readable-stream@2.0.6)
├── bluebird@3.4.6
├── request@2.75.0 (is-typedarray@1.0.0, oauth-sign@0.8.2, aws-sign2@0.6.0, tunn
el-agent@0.4.3, forever-agent@0.6.1, stringstream@0.0.5, caseless@0.11.0, isstre
am@0.1.2, json-stringify-safe@5.0.1, aws4@1.4.1, extend@3.0.0, node-uuid@1.4.7,
qs@6.2.1, combined-stream@1.0.5, tough-cookie@2.3.1, form-data@2.0.0, mime-types
@2.1.12, har-validator@2.0.6, hawk@3.1.3, http-signature@1.1.1)
└── request-promise@2.0.1 (bluebird@2.11.0, lodash@4.16.2)
C:\Users\Owner\NodeJS_Bots_Packt\telegrambot>

```

```

{
  "name": "telegrambot",
  "version": "1.0.0",
  "description": "\"A Telegram Bot for Sentiment Analysis\"",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Madan Bhintade",
  "license": "ISC",
  "dependencies": {
    "express": "^4.14.0"
  },
  "engines": {
    "node": ">=5.6.0"
  }
}

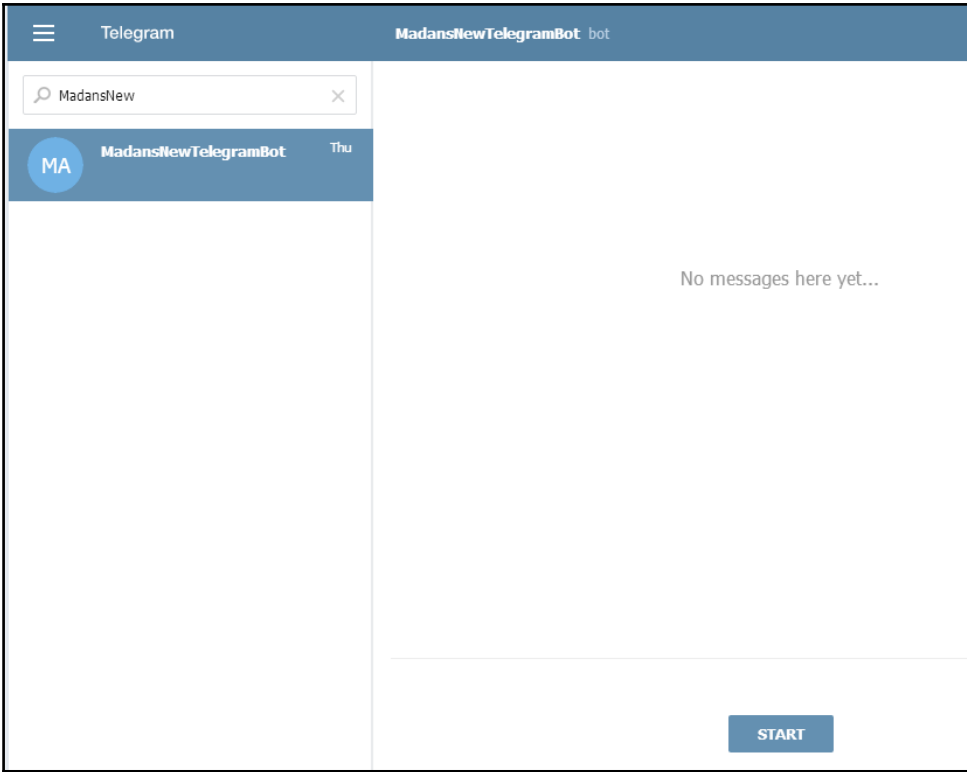
```

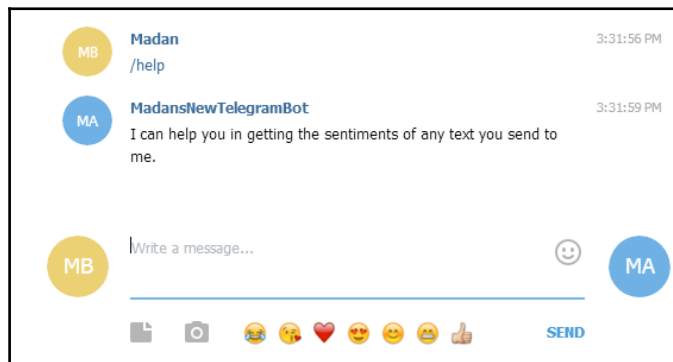
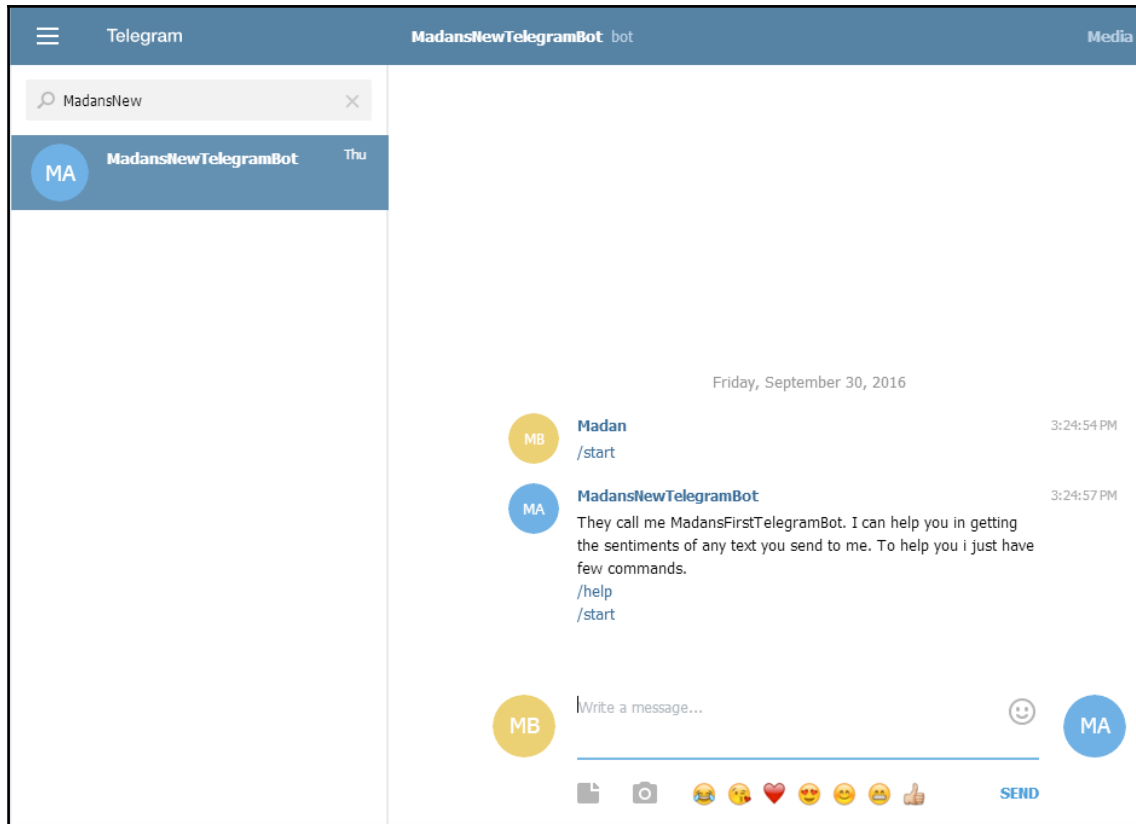
ca. Node.js command prompt - node app.js

```

C:\Users\Owner\NodeJS_Bots_Packt\telegrambot>node app.js
MadansFirstTelegramBot has started. Start conversations in your Telegram.

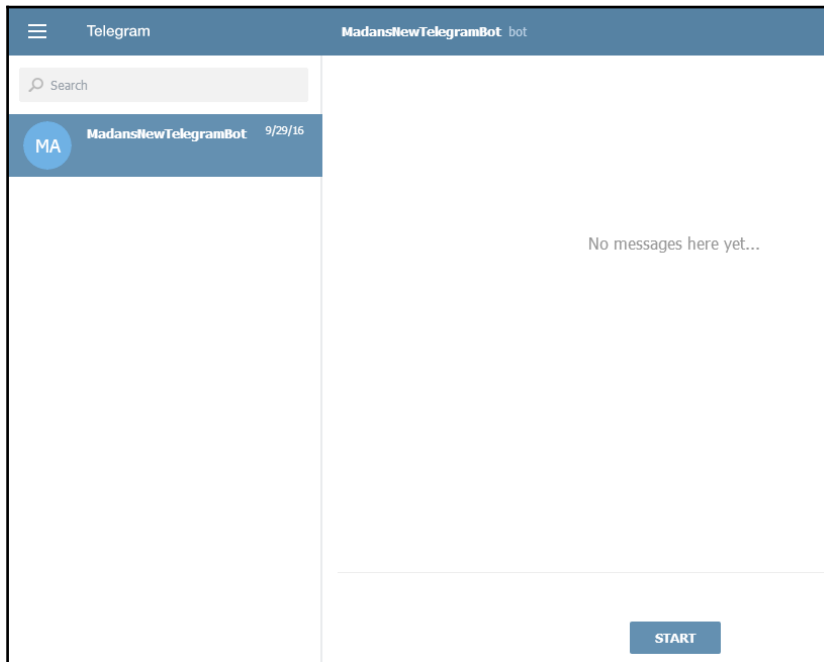
```

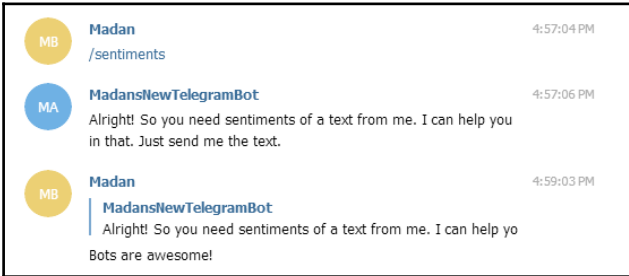
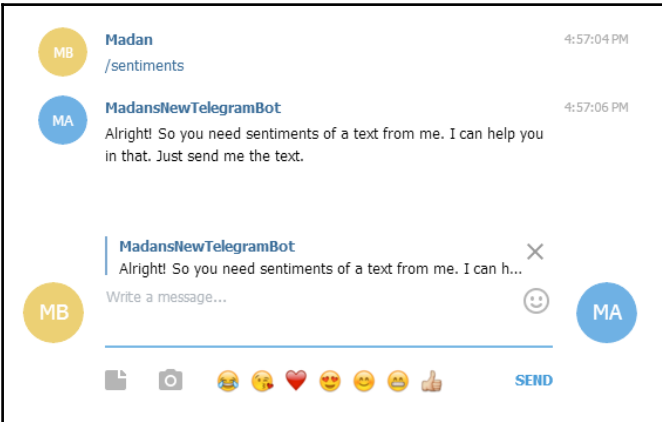
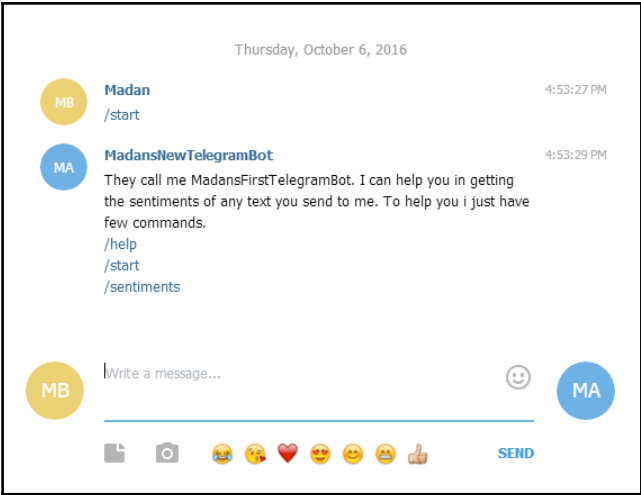




```
Node.js command prompt - node app.js
C:\Users\Owner\NodeJS_Bots_Packt\telegrambot>npm install sentiment --save
npm WARN package.json telegrambot@1.0.0 No repository field.
npm WARN package.json telegrambot@1.0.0 No README data
npm WARN engine sentiment@2.0.0: wanted: <"node:">=4.0" <current: <"node:">"0.12.7", "npm:">"2.11.3">
npm WARN deprecated lodash.assign@4.1.0: This package is deprecated. Use Object.assign.
sentiment@2.0.0 node_modules\sentiment
└─┬ lodash.assign@4.1.0
```

```
Node.js command prompt - node app.js
C:\Users\Owner\NodeJS_Bots_Packt\telegrambot>node app.js
MadansFirstTelegramBot has started. Start conversations in your Telegram.
```















MB /sentiments 4:57:04 PM

MA **MadansNewTelegramBot** 4:57:06 PM
Alright! So you need sentiments of a text from me. I can help you in that. Just send me the text.

MB **MadansNewTelegramBot** 4:59:03 PM
Alright! So you need sentiments of a text from me. I can help yo
Bots are awesome!

MA **MadansNewTelegramBot** 4:59:05 PM
So sentiments for your text are, Score:4
Comparative:1.3333333333333333

MB Write a message...  **MA**

         **SEND**

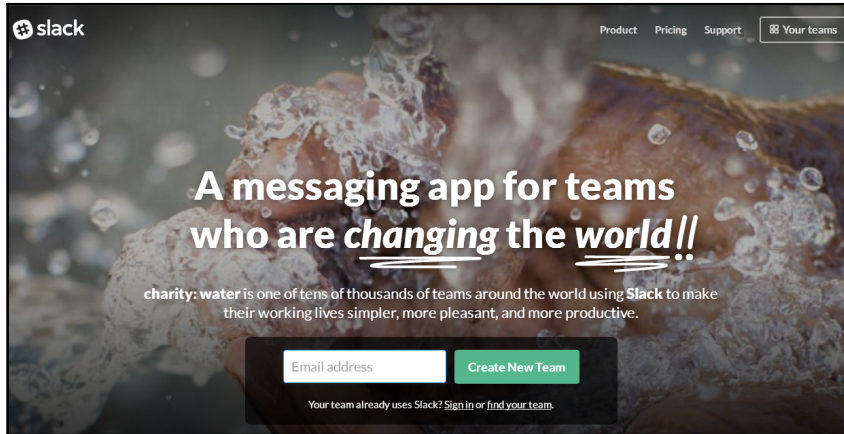
MB **Madan** 5:03:33 PM
/sentiments

MA **MadansNewTelegramBot** 5:03:35 PM
Alright! So you need sentiments of a text from me. I can help you in that. Just send me the text.

MB **Madan** 5:03:53 PM
MadansNewTelegramBot
Alright! So you need sentiments of a text from me. I can help yo
The food was very bad.

MA **MadansNewTelegramBot** 5:03:55 PM
So sentiments for your text are, Score:-3 Comparative:-0.6

Chapter 06



Check your email!

We've sent a six-digit confirmation code to **m#####@#####.com**. Enter it below to confirm your email address.

Your confirmation code

<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	---	----------------------	----------------------	----------------------

Be sure to keep this window open while you check for your code.

Step 2 of 6

What's your name?

Your name will be displayed along with your messages in Slack.

Your name

Username

Usernames must be all lowercase. They can only contain letters, numbers, periods, hyphens, and underscores.

It's ok to send me email about the Slack service.

[Continue to Password →](#)

Step 3 of 6

Set your password

Choose a password for signing in to Slack.

Password

Passwords must be at least 6 characters long, and can't be things like *password*, *123456* or *abcdef*. Very weak

[Continue to Team Info →](#)

Step 4 of 6

Tell us about your team

What will your team use Slack for?

Shared interest group ▼

How big is your shared interest group?

1-9 people ▼

[Continue to Group Name →](#)

Step 5 of 6

What's your group called?

Group name

Bot Researchers

We'll use this to name your Slack team, which you can always change later.

[Continue to Team Domain →](#)

What web domain do you want for your Slack team?

Choose the address you'll use to sign in to Slack.

Your team domain (letters, numbers, and dashes only)

✓ botresearchers .slack.com

Good news! Your team name is [available](#) as your domain on Slack. We've pre-filled it for you, but feel free to change it.

Create Team →

Slack needs your permission to [enable desktop notifications](#).

Bot Researchers ▾

● madanbhintade

CHANNELS (2)

general

random

DIRECT MESSAGES (2)

♥ **slackbot** 1

● madanbhintade (you)

+ [Invite people](#)

slackbot

♥ active | @slackbot



 **Welcome!**

Slack is a messaging app for teams.

I changed my mind. [Take the Tutorial.](#)

Today



slackbot 6:53 PM

If you have any questions about **how to use Slack**, please ask me! I'll do my best to help.



Message @slackbot



[Browse apps](#) > [Custom Integrations](#) > [Bots](#) > New configuration

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

Usernames must be all lowercase. They can contain letters, numbers, periods, hyphens, their first name, last name, nickname, or so


[Add bot integration](#)

Integration Settings

API Token

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

[Regenerate](#)

 Be careful when sharing bot user tokens with applications. Do not publish bot user tokens in public code repositories. [Review token safety tips.](#)


Customize Name

Choose the username for this bot.

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.


Customize Icon

Change the icon used for this bot.

 or

Preview Message

Here's what messages from this integration will look like in Slack.

 **docman** BOT 4:33 PM
This is what messages from this service will look like in Slack.

What this bot does
Let others on your team know what this bot is used for (optional).

Channels
This bot is currently in the following channels. docman is in no channels.

[Save Integration](#)


Bot Researchers ▾ 🔔
● madanbhintade

CHANNELS (2) ⊕
general
random

DIRECT MESSAGES (3) ⊕
♥ slackbot
● madanbhintade (you)
● **docman**

+ [Invite people](#)

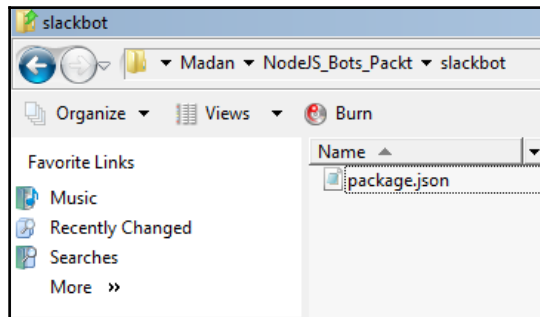
@docman
○ away

 ○ **@docman**
Provides Information and Documents about Bot Research

This is the very beginning of your direct message history with **docman**, private between the two of you.

+ Message @docman

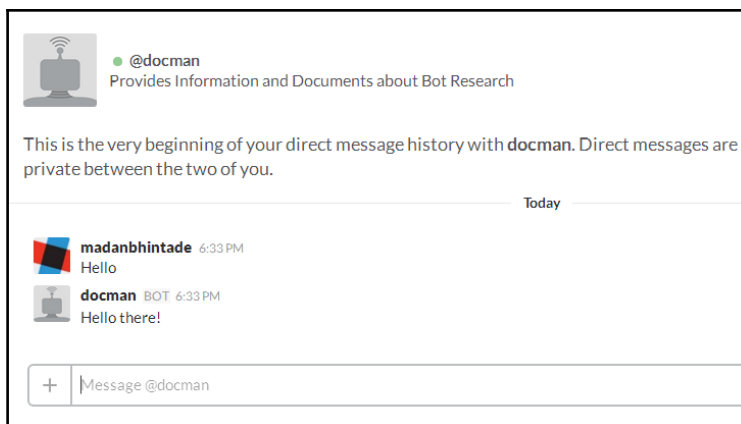
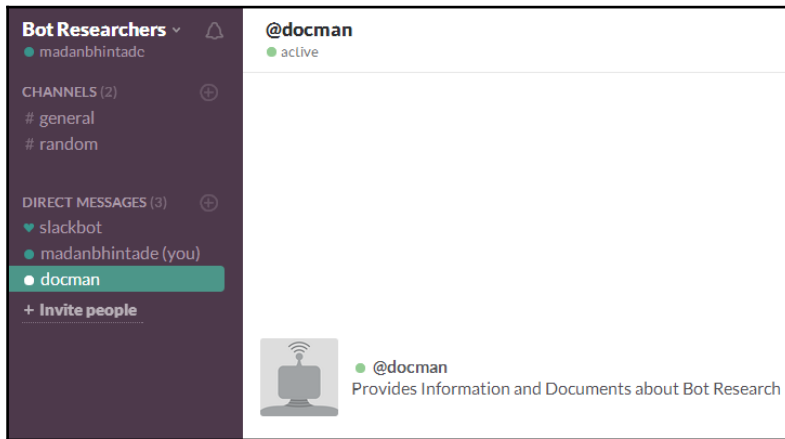

```
C:\> npm
name: (slackbot) slackbot
version: (1.0.0) 1.0.0
description: A Slack Bot called DocMan for providing information and documents
entry point: (index.js) app.js
test command:
git repository:
keywords:
author: Madan Bhintade
license: (ISC)
About to write to C:\Users\Owner\NodeJS_Bots_Pack\slackbot\package.json:
{
  "name": "slackbot",
  "version": "1.0.0",
  "description": "A Slack Bot called DocMan for providing information and documents",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Madan Bhintade",
  "license": "ISC"
}
```




```
Node.js command prompt
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>npm install --save botkit
npm WARN package.json slackbot@1.0.0 No repository field.
npm WARN package.json slackbot@1.0.0 No README data
npm WARN deprecated tough-cookie@2.2.2: ReDoS vulnerability parsing Set-Cookie h
https://nodesecurity.io/advisories/130
botkit@0.4.0 node_modules\botkit
├── md5@2.2.1 (crypt@0.0.1, charenc@0.0.1, is-buffer@1.1.4)
├── mustache@2.2.1
├── back@1.0.1 (xtend@4.0.1)
├── randomstring@1.1.5 (array-uniq@1.0.2)
├── ware@1.3.0 (wrap-fn@0.1.5)
├── vs@1.1.1 (options@0.0.6, ultron@1.0.2)
├── promise@7.1.1 (asap@2.0.5)
├── https-proxy-agent@1.0.0 (extend@3.0.0, debug@2.2.0, agent-base@2.0.1)
├── express@4.14.0 (escape-html@1.0.3, utils-merge@1.0.0, cookie-signature@1.0.6
, merge-descriptors@1.0.1, methods@1.1.2, range-parser@1.2.0, encodeurl@1.0.1, u
ary@1.1.0, parseurl@1.3.1, etag@1.7.0, array-flatten@1.1.1, content-type@1.0.2,
fresh@0.3.0, path-to-regexp@0.1.7, serve-static@1.11.1, cookie@0.3.1, content-di
sposition@0.5.1, depd@1.1.0, on-finished@2.3.0, finalhandler@0.5.0, qs@6.2.0, de
bug@2.2.0, proxy-addr@1.1.2, send@0.14.1, type-is@1.6.13, accepts@1.3.3)
├── body-parser@1.15.2 (content-type@1.0.2, bytes@2.4.0, depd@1.1.0, raw-body@2.
1.7, http-errors@1.5.0, on-finished@2.3.0, qs@6.2.0, debug@2.2.0, type-is@1.6.13
, iconv-lite@0.4.13)
├── jfs@0.2.6 (clone@1.0.2, node-uuid@1.4.7, mkdirp@0.5.1, async@1.2.1)
├── request@2.75.0 (is-typedarray@1.0.0, aws-sign@0.6.0, forever-agent@0.6.1, o
auth-sign@0.8.2, tunnel-agent@0.4.3, stringstream@0.0.5, caseless@0.11.0, isstre
am@0.1.2, json-stringify-safe@5.0.1, extend@3.0.0, aws4@1.5.0, combined-stream@1
.0.5, node-uuid@1.4.7, qs@6.2.1, form-data@2.0.0, mime-types@2.1.12, tough-cooki
e@2.3.1, hl@1.1.2, har-validator@2.0.6, http-signature@1.1.1, hawk@3.1.3)
├── localtunnel@1.8.1 (openurl@1.1.0, debug@2.2.0, yargs@3.29.0, request@2.65.0)
├── twilio@2.11.0 (string.prototype.startswith@0.2.0, deprecate@0.1.0, scmp@0.0.
3, jwt-simple@0.1.0, underscore@1.8.3, q@0.9.7, jsonwebtoken@5.4.1, request@2.74
.0)
├── botbuilder@3.3.2 (rsa-pem-from-mod-exp@0.8.4, sprintf-js@1.0.3, node-uuid@1.
4.7, async@1.5.2, base64url@1.0.6, jsonwebtoken@7.1.9, chrono-node@1.2.4)
├── async@2.1.2 (lodash@4.16.4)
├── command-line-args@3.0.1 (array-back@1.0.3, typical@2.6.0, feature-detect-es6
@1.3.1, find-replace@1.0.2, core-js@2.4.1)
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>
```


```
package.json app.js
1 {
2   "name": "slackbot",
3   "version": "1.0.0",
4   "description": "A Slack Bot called DocMan for providing information and documents",
5   "main": "app.js",
6   "scripts": {
7     "test": "echo \"Error: no test specified\" && exit 1"
8   },
9   "author": "Madan Bhintade",
10  "license": "ISC",
11  "dependencies": {
12    "botkit": "^0.4.0"
13  },
14  "engines": {
15    "node": ">=5.6.0"
16  }
17 }
18
```


```
cmd. Node.js command prompt - node app.js
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>node app.js
info: ** No persistent storage method specified! Data may be lost when process s
huts down.
info: ** Setting up custom handlers for processing Slack messages
info: ** API CALL: https://slack.com/api/rtm.start
notice: ** BOT ID: docman ..attempting to connect to RTM!
notice: RTM websocket opened
_
```



Today

 **madanbhintade** 4:15 PM
set the channel topic: All Bot Research is welcomed here!


 **slackbot** 6:46 PM Only visible to you
You mentioned @docman, but they're not in this channel. Would you like to [invite them to join](#) or have [message?](#) Or, [do nothing.](#)


 **madanbhintade** 6:46 PM
[@docman](#)


+ Message #general


Invite new members to #general ✕


Would you like to invite docman to #general?


 **madanbhintade** 4:15 PM
set the channel topic: All Bot Research is welcomed here!

 **madanbhintade** 6:46 PM
[@docman](#)

 **docman** BOT 6:52 PM
joined #general from an invitation by @madanbhintade

 **docman** BOT 6:52 PM
joined #general from an invitation by @madanbhintade

 **madanbhintade** 6:52 PM
[@docman](#) Hello

 **docman** BOT 6:52 PM
Hello there!

```

MongoDB shell version: 3.0.4
connecting to: test
Server has startup warnings:
2016-10-25T16:10:13.182+0530 I CONTROL [initandlisten]
2016-10-25T16:10:13.183+0530 I CONTROL [initandlisten] ** NOTE: This is a 32 bit
MongoDB binary.
2016-10-25T16:10:13.183+0530 I CONTROL [initandlisten] ** 32 bit builds a
re limited to less than 2GB of data (or less with --journal).
2016-10-25T16:10:13.183+0530 I CONTROL [initandlisten] ** Note that journ
aling defaults to off for 32 bit and is currently off.
2016-10-25T16:10:13.183+0530 I CONTROL [initandlisten] ** See http://doch
ub.mongodb.org/core/32bit
2016-10-25T16:10:13.183+0530 I CONTROL [initandlisten]
>

```

```

> use NewDB
switched to db NewDB
> s={author:"Madan Bhintade"}
< "author" : "Madan Bhintade" >
> db.Author.insert(s);
WriteResult<< "nInserted" : 1 >>
>
=

```

```






> show dbs
BotDB 0.078GB

```

```

> show collections
ReferenceDocuments
system.indexes
>
=

```

Name	Date modified	Type
 Competitive analysis using SWOT.xlsx	10/25/2016 3:16 PM	Microsoft Excel Worksheet
 Newsletter Template.docx	10/25/2016 3:23 PM	Microsoft Word Document
 Research Paper Template.docx	10/25/2016 3:24 PM	Microsoft Word Document
 Research Planning Checklist.xlsx	10/25/2016 3:28 PM	Microsoft Excel Worksheet
 Timeline Document.docx	10/25/2016 3:32 PM	Microsoft Word Document

```

> db.ReferenceDocuments.insert<<
... "title": "Research Planning Checklist", "description": "This excel sheet prov
ides guidelines for better research plan...", "version": "1.1", "url": "<<Document
URL goes here...>>", "keywords": ["Plan", "Research Plan", "Checklist", "SWOT"] >>
WriteResult<< "nInserted" : 1 >>
>

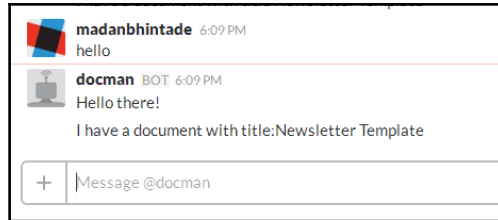
```

```
> db.ReferenceDocuments.createIndex(<<keywords:"text">>)
<
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
>
>
_
```

```
> db.ReferenceDocuments.find(<<$text:<$search:"template">>,<limit:3>>)
< "_id" : ObjectId<"580e53552554e545d83bde37"> }
< "_id" : ObjectId<"580f2bcd3cc08cc15aeb9e86"> }
< "_id" : ObjectId<"580f2dad3cc08cc15aeb9e88"> }
>
_
```

```
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>npm install mongojs
npm WARN package.json slackbot@1.0.0 No repository field.
npm WARN package.json slackbot@1.0.0 No README data
mongojs@2.4.0 node_modules\mongojs
├── thunky@0.1.0
├── each-series@1.0.0
├── to-mongodb-core@2.0.0
├── xtend@4.0.1
├── parse-mongo-url@1.1.1
├── once@1.4.0 (wrap@1.0.2)
├── readable-stream@2.1.5 (inherits@2.0.3, process-nextick-args@1.0.7, string_decoder@0.10.31, buffer-shims@1.0.0, isarray@1.0.0, util-deprecate@1.0.2, core-util-is@1.0.2)
├── mongodb@2.2.11 (es6-promise@3.2.1, mongodb-core@2.0.13)
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>_
```

```
C:\Users\Owner\NodeJS_Bots_Packt\slackbot>node app.js
info: ** No persistent storage method specified! Data may be lost when process shuts down.
info: ** Setting up custom handlers for processing Slack messages
info: ** API CALL: https://slack.com/api/rtm.start
notice: ** BOT ID: docman ...attempting to connect to RTM!
notice: RTM websocket opened
```



AWS Services Edit Madan Global Support

Welcome to Amazon Simple Storage Service

Amazon S3 is storage for the Internet. It is designed to make web-scale computing easier for developers.

Amazon S3 provides a simple web services interface that can be used to store and retrieve any amount of data, at any time, from anywhere on the web. It gives any developer access to the same highly scalable, reliable, secure, fast, inexpensive infrastructure that Amazon uses to run its own global network of web sites. The service aims to maximize benefits of scale and to pass those benefits on to developers.

You can read, write, and delete objects ranging in size from 1 byte to 5 terabytes each. The number of objects you can store is unlimited. Each object is stored in a bucket with a unique key that you assign.

Get started by simply creating a bucket and uploading a test object, for example a photo or .txt file.

[Create Bucket](#)

S3 at a glance

Create	Add	Manage
Create a bucket in one of several Regions. You can choose a Region to optimize for latency, minimize costs, or	Upload objects to your bucket. Amazon S3 durably stores your data in multiple facilities and on multiple devices within	Manage your data with Amazon S3's lifecycle management capabilities, including the ability to automatically

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Create a Bucket - Select a Bucket Name and Region Cancel x

A bucket is a container for objects stored in Amazon S3. When creating a bucket, you can choose a Region to optimize for latency, minimize costs, or address regulatory requirements. For more information regarding bucket naming conventions, please visit the [Amazon S3 documentation](#).

Bucket Name:


Region:

[Set Up Logging >](#) [Create](#) [Cancel](#)

AWS Services Edit

[Create Bucket](#) [Actions](#)

All Buckets (1)

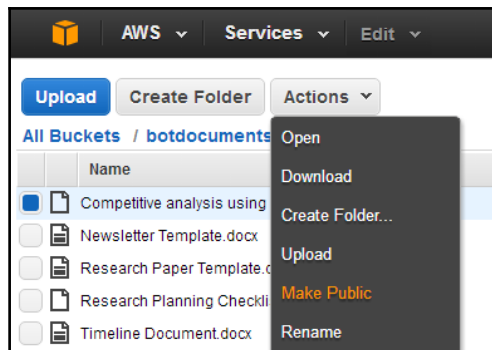
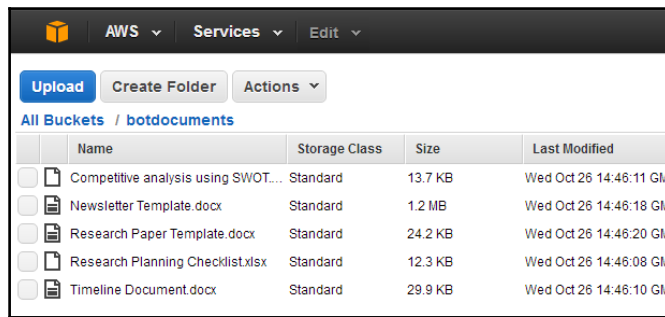
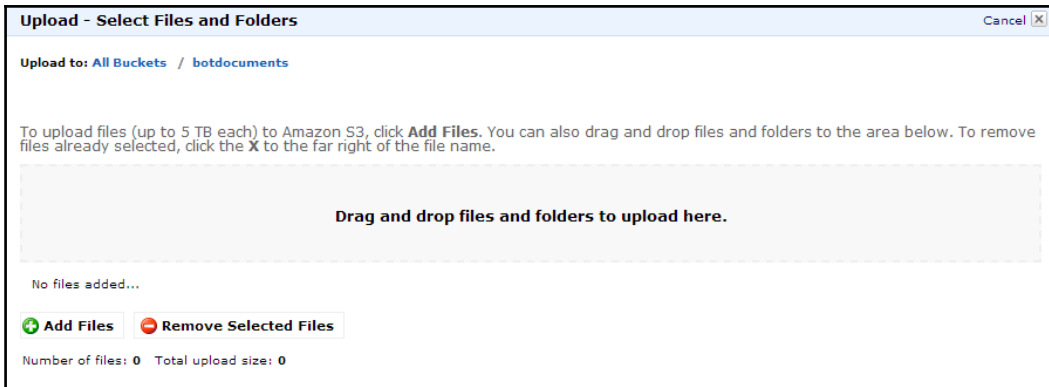
Name
 botdocuments

AWS Services Edit

[Upload](#) [Create Folder](#) [Actions](#)

All Buckets / botdocuments

Name	Storage Class
The bucket 'botdocuments' is empty	



Object: Competitive analysis using SWOT.xlsx ×

Bucket: botdocuments
Name: Competitive analysis using SWOT.xlsx
Link: [https://\[redacted\]/botdocuments/Competitive+analysis+using+SWOT.xlsx](https://[redacted]/botdocuments/Competitive+analysis+using+SWOT.xlsx)
Size: 14103
Last Modified: [redacted]
Owner: [redacted]
ETag: [redacted]
Expiry Date: None
Expiration Rule: N/A


▸ Details


▾ Permissions

You can control access to the bucket and its contents using access policies. [Learn more.](#)


Grantee: [redacted] Open/Download View Permissions ×
Edit Permissions


Grantee: Everyone Open/Download View Permissions ×
Edit Permissions


 **madanbhintade** 6:50 PM
@docman docs


 **docman** BOT 6:50 PM
Pl. type the word or keywords for document search.

+ Message #general

 **madanbhintade** 6:50 PM
@docman docs

 **docman** BOT 6:50 PM
Pl. type the word or keywords for document search.


 **madanbhintade** 6:54 PM
template

 **docman** BOT 6:54 PM
Awesome! Wait for a moment. Will search documents for word(s) **template**

6:54 ☆ **Document(s):**

- Newsletter Template**
This is a newsletter template used to highlight your success stories. This can be used for publishing your case studies as well.
From Amazon S3 | Version 2.0
- × **Research Paper Template**
This is a research paper template used to publish your research. This can be used for web publishing your research as well.
From Amazon S3 | Version 2.0
- Timeline Document**
Timeline template helps us to present major milestones in elegant manner. This can be used to showcases a journey.
From Amazon S3 | Version 3.0

+ Message #general

 **docman** BOT 6:54 PM
Awesome! Wait for a moment. Will search documents for word(s) **template**

Document(s):


- Newsletter Template**
This is a newsletter template used to highlight your success stories. This can be used for publishing your case studies as well.
From Amazon S3 | Version 2.0
- Research Paper Template**
This is a research paper template used to publish your research. This can be used for web publishing your research as well.
From Amazon S3 | Version 2.0
- Timeline Document**
Timeline template helps us to present major milestones in elegant manner. This can be used to showcases a journey.
From Amazon S3 | Version 3.0

The image shows a screenshot of a document viewer interface. On the left is a dark purple sidebar with a white logo consisting of three horizontal lines above the letter 'Q'. The main content area is light gray and contains a list of documents:


- Research Paper Template**
This is a research paper template used to publish your research. This can be used for web publishing your research as well.
From Amazon S3 | Version 2.0
- x **Timeline Document**
Timeline template helps us to present major milestones in elegant manner. This can be used to showcases a journey.
From Amazon S3 | Version 3.0

Below the list is a search bar with a plus sign icon and the text "Message #general". At the bottom of the interface is a gray bar with a document icon and the text "Timeline+ Document.docx".


Chapter 07

 **Create a Page**


Give your brand, business or cause a voice on Facebook and connect with the people who matter to you.
It's free to set up. Just choose a Page type to get started.



Local Business or Place



Company, Organisation or Institution



Brand or Product

Company, Organisation or Institution

Join your supporters on Facebook.

By clicking Get Started, you agree to the Facebook Pages Terms.

[Get Started](#)

1 About 2 Profile Picture 3 Add to Favourites 4 Preferred Page Audience

Tip: Add a description and website to improve the ranking of your Page in search.
Fields marked by asterisks (*) are required.

Add a few sentences to tell people what your Page is about. This will help it show up in the right search results. You will be able to add more details later from your Page settings. 155

*Tell people what your Page is about..

Website (e.g. your website, Instagram, Twitter or other social media links)

It's easier for people to find your Page in search when it has a unique username. Pages with usernames can also create custom URLs that let people quickly visit and message them.

http://www.facebook.com/

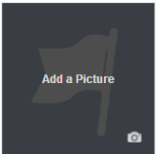
Need help? Skip Save Info

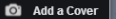
Page Messages Notifications Insights Publishing Tools Settings Help

Who's Off
Create Page @username

Home


- About
- Posts
- Shop
- Videos
- Photos
- Events
- Notes
- Likes
- Manage Tabs





Like Message More
+ Add a Button

Status Photo/Video Event, Milestone+
Internet/Software

 Write something...

Search for posts on this Page

This week See All


0 0

0 likes 0 this week


See Pages Feed
Posts from Pages that you've liked as your Page

Add a New App


Select a platform to get started




IOS



Android



Facebook Canvas



Website

If you're developing on another platform or want to skip this step for now, use the [basic setup](#).

Create a New App ID

Get started integrating Facebook into your app or website

Display Name


Contact Email

Category

Communication ▾

By proceeding, you agree to the Facebook Platform Policies

Security Check



Can't read the text above?
Try another text or an audio CAPTCHA

Text in the box:

What's this?

If you think you're seeing this by mistake, please let us know.

Product Setup

Facebook Login

The world's number one social login product.

Get Started

Audience Network

Monetize your mobile app or website with native ads from 3 million Facebook advertisers.

Get Started

Account Kit

Seamless account creation. No more passwords.

Get Started

Messenger

Customize the way you interact with people on Messenger.

Get Started

Messenger Platform

×

Welcome to the Messenger Platform! Now people won't need to download an app to interact with you. Just build your bot and instantly reach people on whichever device and platform they use.

The Send/Receive API provides customizable tools for you to build your bot so you can start sending relevant updates to people who want to hear from you. Our platform is in beta and we will gradually accept and approve submissions to ensure the best experiences for everyone on Messenger. [Read the Docs](#)

The Send/Receive API should be used for organic content and should not be used to send marketing or other promotional communications. For this reason, you must submit your app for review before you can begin using the API publicly. Before your app is approved, you'll only be able to send messages to app developers and testers. See our [Platform Policies](#) and our [Examples and Explanations](#) for more info.

Get started

Check out some resources that may help you in development: [Quick Start](#) (build a Messenger app in 10 minutes) and [Complete Documentation](#). Also join our [Messenger Platform Developers Community](#) on Facebook to get latest news and learn more!

Token Generation

Page token is required to start using the APIs. This page token will have all messenger permissions even if your app is not approved to use them yet, though in this case you will be able to message only app admins. You can also generate page tokens for the pages you don't own using [Facebook Login](#).

Get started

Check out some resources that may help you in development: [Quick Start](#) (build a Messenger app in 10 minutes) and [Complete Documentation](#). Also join our [Messenger Platform Developers Community](#) on Facebook to get latest news and learn more!

Token Generation

Page token is required to start using the APIs. This page token will have all messenger permissions even if your app is not approved to use them yet, though in this case you will be able to message only app admins. You can also generate page tokens for the pages you don't own using Facebook Login.

Page: Who's Off ▾ Page Access Token: EAA QrBaO3WfmbN

Webhooks Setup Webhooks

To receive messages and other events sent by Messenger users, the app should enable webhooks integration.

App Services ✦ — 🔗 ✕


Global

+ Add ☰ Columns 🔄 Refresh

Web + Mobile

▼ Filter

Results

NAME	PUBLISHER
 Node JS Empty Web App	Microsoft

* App name
whosoffchatbotsite ✓
.azurewebsites.net

* Subscription
Free Trial ▼

* Resource Group ⓘ
 Create new Use existing
nodejsbot_resources ▼

* App Service plan/Location
ServicePlan2bb1286a-854b(Sout... >

Application Insights ⓘ On Off

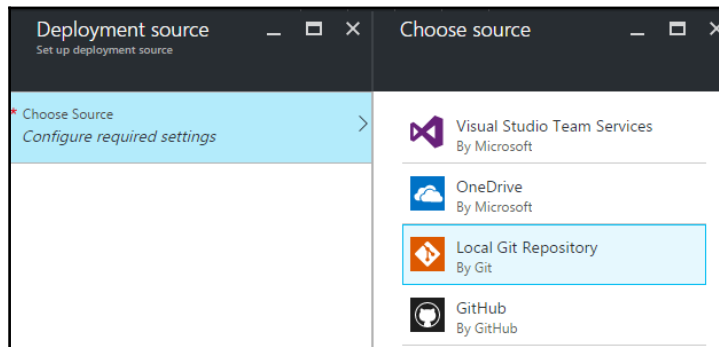
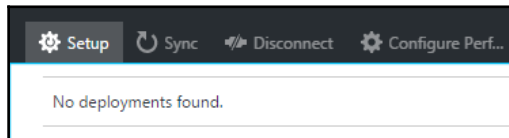
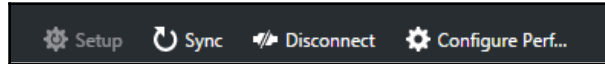
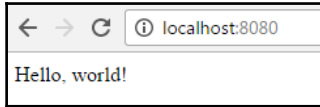
Essentials ^	
Resource group	URL
nodejsbot_resources	http://whosoffchatbotsite.azurewebsites.net
Status	App Service plan/pricing tier
Running	ServicePlan2bb1286a-854b (Shared)
Location	External Repository Project
South Central US	https://github.com/azure-appservice-samp...
Subscription name	
Free Trial	
Subscription ID	
4a260bf7-5f3c-4b79-abdc-11f988468224	

← → ↻ ⓘ whosoffchatbotsite.azurewebsites.net

Hello, world!

```
C:\Packt_Book\whosoffchatbot>git clone https://github.com/azure-appservice-samples/NodeJS-EmptySiteTemplate_
```

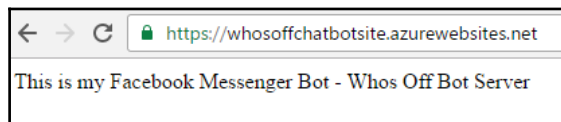
```
C:\Packt_Book\whosoffchatbot>cd NodeJS-EmptySiteTemplate
C:\Packt_Book\whosoffchatbot\NodeJS-EmptySiteTemplate>node server.js
```



Essentials ^	
Resource group	URL
nodejsbot_resources	http://whosoffchatbotsite.azurewebsites.net
Status	App Service plan/pricing tier
Running	ServicePlan2bb1286a-854b (Shared)
Location	Git/Deployment username
South Central US	[REDACTED]
Subscription name	Git clone url
Free Trial	https://[REDACTED]@whosoffchatbotsit..
Subscription ID	FTP hostname
4a260bf7-5f3c-4b79-abdc-11f988468224	ftp://waws-prod-sn1-061.ftp.azurewebsites...

```
C:\Packt_Book\whosoffchatbot\NodeJS-EmptySiteTemplate>git remote set-url origin https://[REDACTED]@whosoffchatbotsite.scm.azurewebsites.net:443/whosoffchatbot/site.git
```

```
C:\Packt_Book\whosoffchatbot\NodeJS-EmptySiteTemplate>node server.js
```



New Page Subscription ✕

Callback URL

Verify token

Subscription fields

<input checked="" type="checkbox"/> messages	<input checked="" type="checkbox"/> messaging_postbacks	<input checked="" type="checkbox"/> messaging_optins
<input checked="" type="checkbox"/> message_deliveries	<input checked="" type="checkbox"/> message_reads	<input type="checkbox"/> messaging_account_linking
<input type="checkbox"/> message_echoes		

[Learn more](#)

Webhooks Edit events

To receive messages and other events sent by Messenger users, the app should enable webhooks integration. ✔ Complete

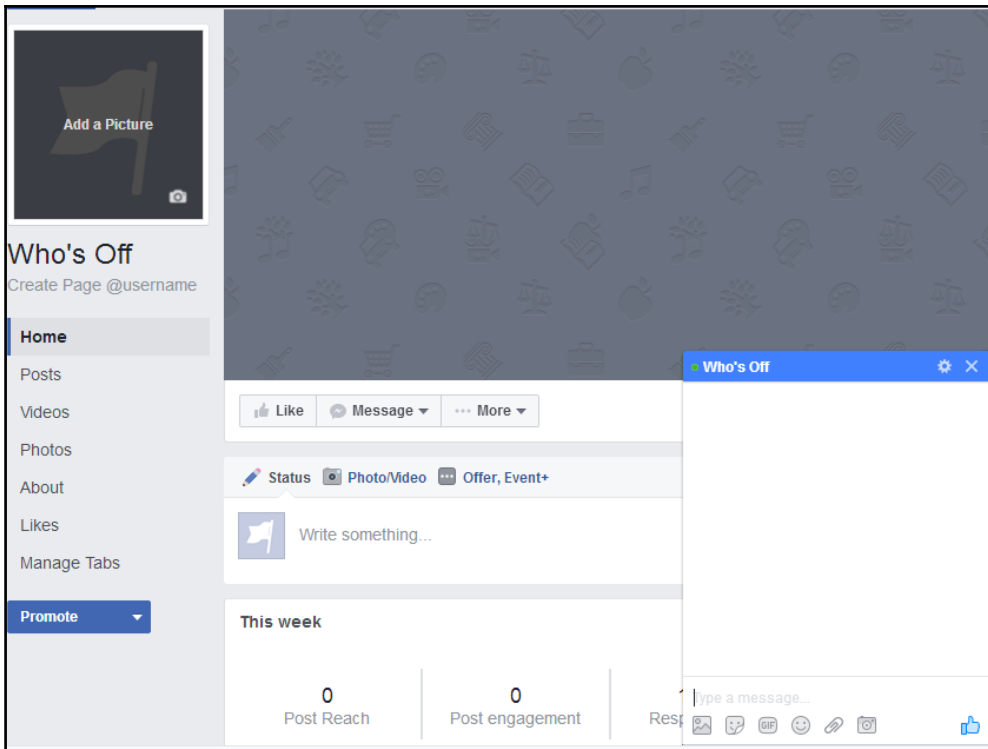
Selected events: **message_deliveries, message_reads, messages, messaging_optins, messaging_postbacks**

Select a page to subscribe your webhook to the page events

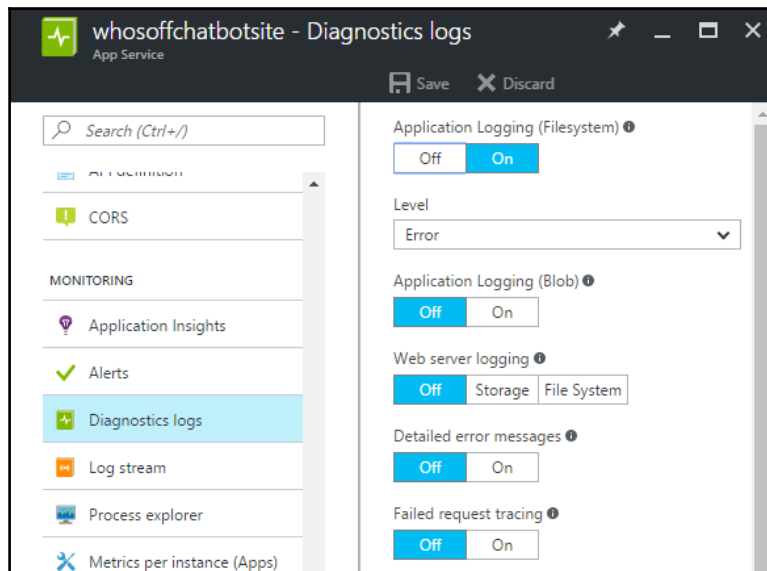
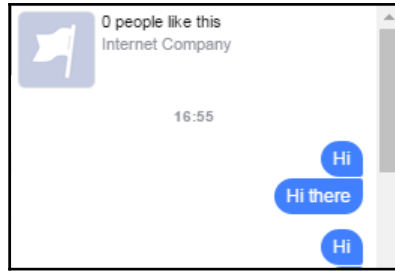
The app is not subscribed to any pages

Select a page to subscribe your webhook to the page events

The app is not subscribed to any pages



```
C:\Packt_Book\whosoffchatbot\nodeJS-EmptySiteTemplate>git add .
C:\Packt_Book\whosoffchatbot\nodeJS-EmptySiteTemplate>git commit -m "Echo code added to webhook"
[master 5678ebc1] Echo code added to webhook
1 file changed, 27 insertions(+), 6 deletions(-)
C:\Packt_Book\whosoffchatbot\nodeJS-EmptySiteTemplate>git push origin master
Counting objects: 3, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 974 bytes | 0 bytes/s, done.
Total 3 (delta 1), reused 0 (delta 0)
```



Search (Ctrl+/)

MONITORING

- Application Insights
- Alerts
- Diagnostics logs
- Log stream**
- Process explorer
- Metrics per instance (Apps)

Application logs

Connecting...

2016-11-06T11:34:10 Welcome, you are now connected to log-streaming service.

TypeError: Cannot read property '0' of undefined

```
at D:\home\site\wwwroot\server.js:14:31
at Layer.handle [as handle_request] (D:\home\site\wwwroot\node_modules\exp
at next (D:\home\site\wwwroot\node_modules\express\lib\router\route.js:131:
at Route.dispatch (D:\home\site\wwwroot\node_modules\express\lib\router\rou
at Layer.handle [as handle_request] (D:\home\site\wwwroot\node_modules\exp
at D:\home\site\wwwroot\node_modules\express\lib\router\index.js:277:22
at Function.process_params (D:\home\site\wwwroot\node_modules\express\lib\
at next (D:\home\site\wwwroot\node_modules\express\lib\router\index.js:271:
at jsonParser (D:\home\site\wwwroot\node_modules\body-parser\lib\types\json
at Layer.handle [as handle_request] (D:\home\site\wwwroot\node_modules\exp
```

Who's Off

Hi

Echo: Hi

How are you my bot?

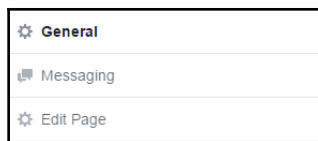
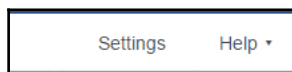
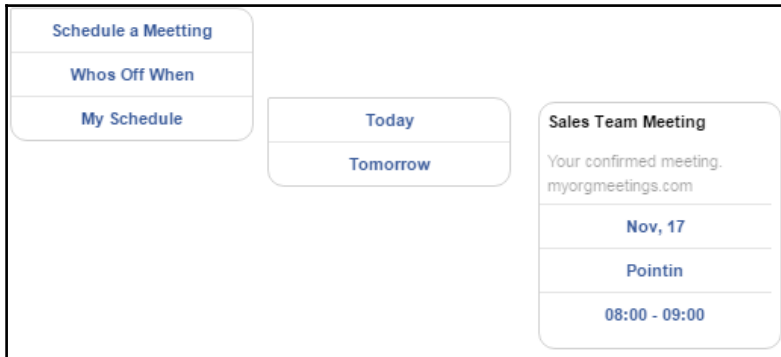
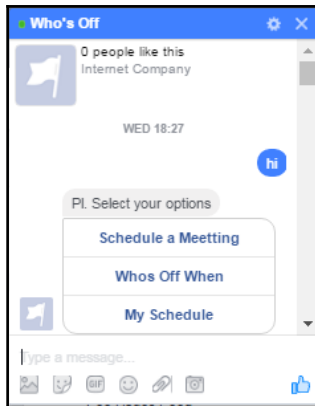
Echo: How are you my bot?

Great to see you in Facebook!

Echo: Great to see you in Facebook!

type a message...

📎 🗨️ 🎬 😊 🖋️ 📷 👍



Show a Messenger Greeting Yes

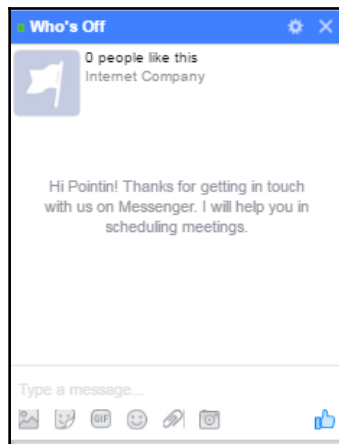
Create a greeting that people will see the first time they open a conversation with you on Messenger.

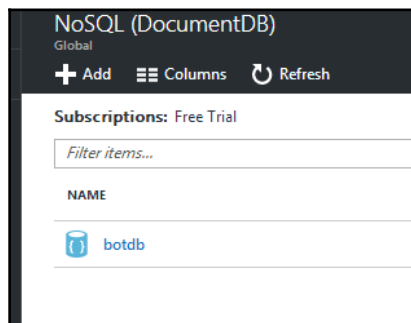
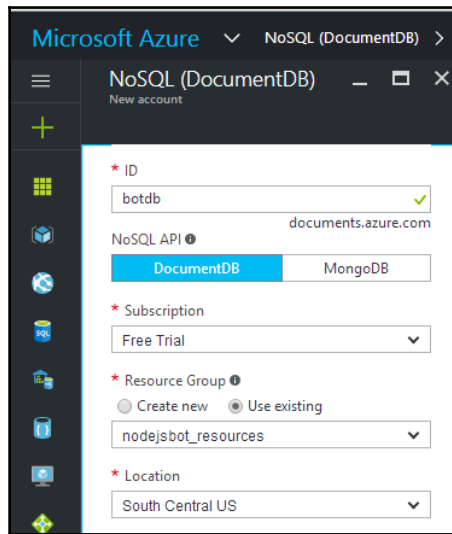
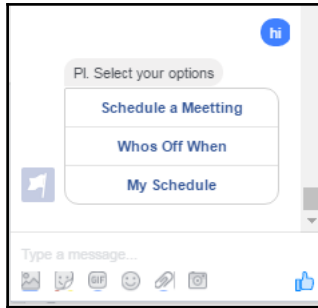
Create your Messenger Greeting 113 / 160

Hi **Pointin** ✕: Thanks for getting in touch with us on Messenger. I will help you in scheduling meetings.


[Add Personalisation](#)


Cancel Save







+ Add Collection Refresh → Move

* Collection Id 


Events 

PRICING TIER 


Standard >

PARTITIONING MODE 

Single Partition Partitioned


THROUGHPUT CAPACITY 

400 - 10000 RU/s *


STORAGE CAPACITY 

10 GB *


* For more capacity use Partitioned mode.

* DATABASE 

Create New Use existing

EventsDB 

OK

hi 








Pl. Select your options

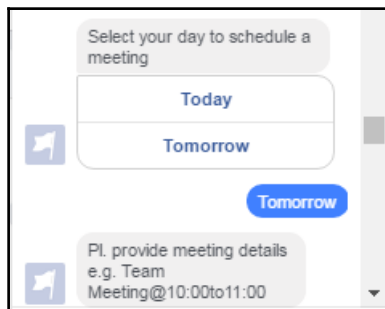
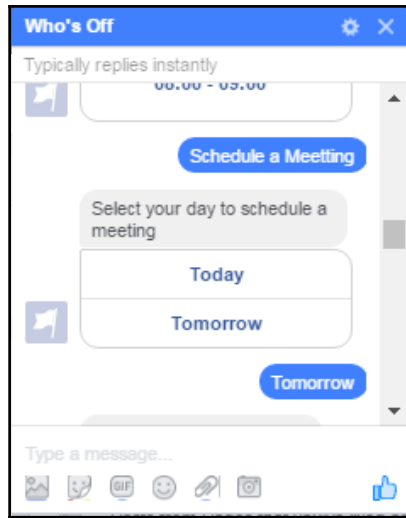
Schedule a Meeting

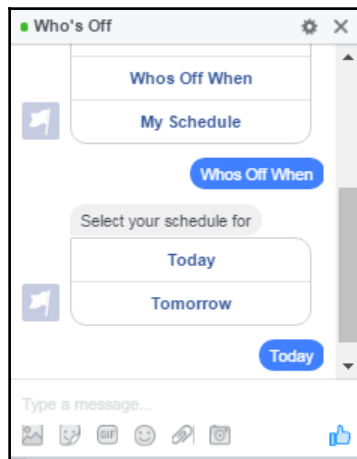
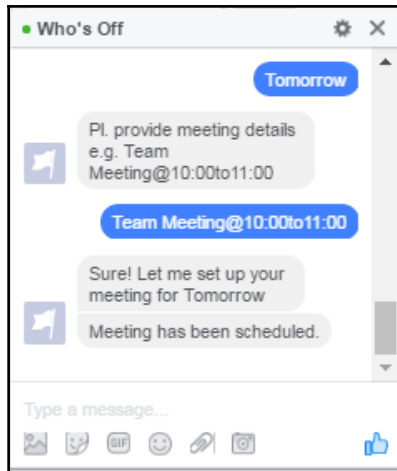
Whos Off When

My Schedule

Type a message...





Who's Off

Tomorrow

Today

Account Review Meeting
Your confirmed meeting.
myorgmeetings.com

Nov, 18

Pointin

11:00 - 12:00

Type a message...

📷 🗣️ 📄 😊 🖋️ 📷 👍

Chapter 08


Connect to freenode IRC


Nickname:

Channels:

Auth to services:

Humanity: I'm not a robot

 reCAPTCHA
[Privacy - Terms](#)




Connect to freenode IRC


Nickname:

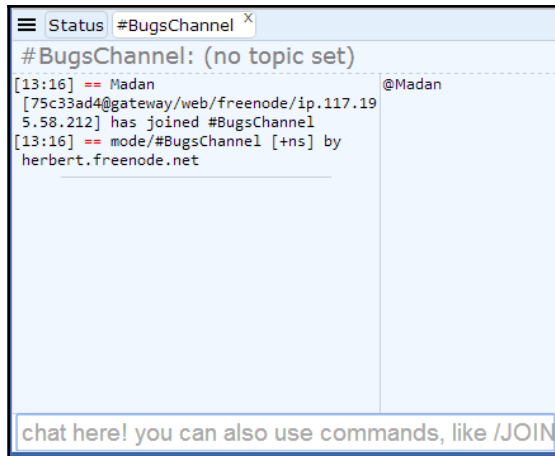
Channels:

Auth to services:

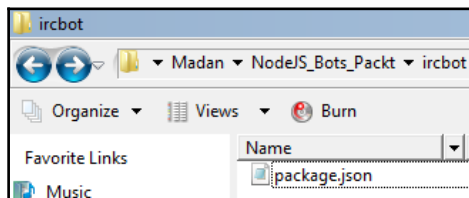
Humanity: I'm not a robot

 reCAPTCHA
[Privacy - Terms](#)





```
name: <ircbot> ircbot
version: <1.0.0> 1.0.0
description: A Bug Tracking Agent for Teams
entry point: <index.js> app.js
test command:
git repository:
keywords:
author: Madan Bhintade
license: <ISC>
About to write to C:\Users\Owner\NodeJS_Bots_Pack\ircbot\package.json:
{
  "name": "ircbot",
  "version": "1.0.0",
  "description": "A Bug Tracking Agent for Teams",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Madan Bhintade",
  "license": "ISC"
}
```



```
gyp ERR! stack at ChildProcess.emit (events.js:110:17)
gyp ERR! stack at Process.ChildProcess._handle.onexit (child_process.js:1074
:12)
gyp ERR! System Windows_NT 6.0.6002
gyp ERR! command "node" "C:\Program Files\nodejs\node_modules\npm\node_modu
les\node-gyp\bin\node-gyp.js" "rebuild"
gyp ERR! cwd C:\Users\Owner\NodeJS_Bots_Packt\ircbot\node_modules\irc\node_modul
es\iconv
gyp ERR! node -v v0.12.7
gyp ERR! node-gyp -v v2.0.1
gyp ERR! not ok
npm WARN optional dep failed, continuing node-icu-charset-detector@0.1.4
npm WARN optional dep failed, continuing iconv@2.1.11
irc@0.5.0 node_modules\irc
├─ irc-colors@1.3.0
C:\Users\Owner\NodeJS_Bots_Packt\ircbot>
```

```
{
  "name": "ircbot",
  "version": "1.0.0",
  "description": "A Bug Tracking Agent for Teams",
  "main": "app.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Madan Bhintade",
  "license": "ISC",
  "dependencies": {
    "irc": "^0.5.0"
  },
  "engines": {
    "node": ">=5.6.0"
  }
}
```

```
C:\Users\Owner\NodeJS_Bots_Packt\ircbot>node app.js
Connected!
{ prefix: 'verne.freenode.net',
  server: 'verne.freenode.net',
  command: 'rpl_welcome',
  rawCommand: '001',
  commandType: 'reply',
  args:
   [ 'BugTrackerIRCBot',
     'Welcome to the freenode Internet Relay Chat Network BugTrackerIRCBot' ] }
Joined #BugsChannel
```

```
☰ Status #BugsChannel x
#BugsChannel: (no topic set)
[13:16] == Madan @Madan
[75c33ad4@gateway/web/freenode/ip.117.195.58.212 BugTrackerIRCBot
] has joined #BugsChannel
[13:16] == mode/#BugsChannel [+ns] by
herbert.freenode.net
[13:24] <@Madan> Hi

[13:48] == BugTrackerIRCBot
[~nodebot@117.195.58.212] has joined
#BugsChannel
[13:48] <BugTrackerIRCBot> Hi, there. I am an IRC
Bot which track bugs or defects for your team.
[13:48] <BugTrackerIRCBot> I can help you using
following commands.
[13:48] <BugTrackerIRCBot> BUGREPORT
[13:48] <BugTrackerIRCBot> BUG # <BUG. NO>
```

Microsoft Azure NoSQL (DocumentDB) >

☰ NoSQL (DocumentDB) - ☐ ✕
New account

+

ID botdb ✓ documents.azure.com

NoSQL API

DocumentDB MongoDB

* Subscription Free Trial ▾

* Resource Group Create new Use existing
nodejsbot_resources ▾

* Location South Central US ▾


NoSQL (DocumentDB)
Global

+ Add Columns Refresh

Subscriptions: Free Trial

Filter items...

NAME

 botdb

+ Add Collection Refresh Move

* Collection Id ✓

PRICING TIER
Standard >

PARTITIONING MODE
 Single Partition Partitioned

THROUGHPUT CAPACITY
400 - 10000 RU/s *

STORAGE CAPACITY
10 GB *

* For more capacity use Partitioned mode.

* DATABASE
 Create New Use existing

+ Add Collection + Add Database Refresh

i Successfully refreshed the collection list

Database
BugDB

COLLECTION ID	DATABASE	THROUGHPUT	PRICING TIER
Bugs	BugDB	1000	Standard

COLLECTIONS

- Browse
- Scale
- Settings
- Document Explorer
- Query Explorer
- Script Explorer

Create Upload Refresh Filter

Databases
BugDB

Collections
Bugs

Documents
Search by Document id or Partition Key

```
1 {
2   "id": "123",
3   "status": "Open",
4   "title": "Sign In Failing for Google Accounts",
5   "description": "Sign In is failing for Google Accounts.
6   error could not log in.",
7   "priority": "High",
8   "assignedto": "Madan Bhintade",
9   "url": "http://mybugsystem.net/bugs/123"
}
```

New Document
Document

Save Discard Delete Refresh Properties

botdb - Document Explorer
NoSQL (DocumentDB)

Create Upload Refresh Filter

Search (Ctrl+/)

COLLECTIONS

- Browse
- Scale
- Settings
- Document Explorer
- Query Explorer
- Script Explorer

MONITORING

- Metrics

Databases

- BugDB

Collections

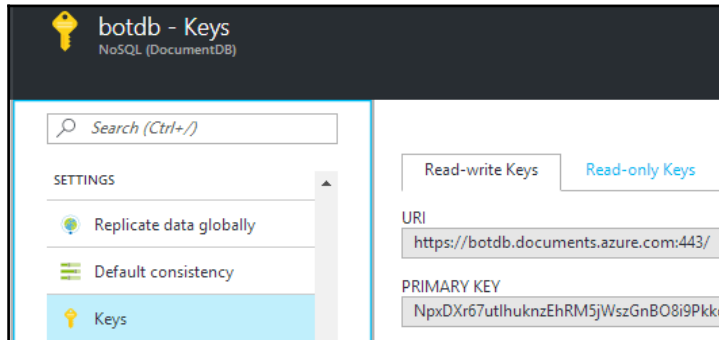
- Bugs

Documents

Search by Document id or Partition Key

ID
124
123
125
130
131
132

```
C:\Users\Owner\NodeJS_Bots_Pack\ircbot>npm install documentdb --save
npm WARN package.json ircbot@1.0.0 No repository field.
npm WARN package.json ircbot@1.0.0 No README data
documentdb@1.10.0 node_modules\documentdb
├── binary-search-bounds@2.0.3
├── semaphore@1.0.5
├── priorityqueue.js@1.0.0
└── underscore@1.8.3
```



```
C:\Users\Owner\NodeJS_Bots_Pack\ircbot>node app.js
6 Documents found
```

```
C:\Users\Owner\NodeJS_Bots_Pack\ircbot>node app.js
Connected!
{ prefix: 'verne.freenode.net',
  server: 'verne.freenode.net',
  command: 'rpl_welcome',
  rawCommand: '001',
  commandType: 'reply',
  args:
    [ 'BugTrackerIRCBot',
      'Welcome to the freenode Internet Relay Chat Network BugTrackerIRCBot' ] }
Joined #BugsChannel
```

```
☰ Status #BugsChannel x
#BugsChannel: (no topic set)
[18:33] == Madan @Madan
[1b3a36c5@gateway/web/freenode/ip.27.58.54.19 BugTrackerIRCBot
7] has joined #BugsChannel
[18:33] == mode/#BugsChannel [+ns] by
herbert.freenode.net

[18:34] == BugTrackerIRCBot
[~nodebot@27.58.54.197] has joined
#BugsChannel
[18:34] <BugTrackerIRCBot> Hi, there. I am an
IRC Bot which track bugs or defects for your
team.
[18:34] <BugTrackerIRCBot> I can help you
using following commands.
[18:34] <BugTrackerIRCBot> BUGREPORT
[18:34] <BugTrackerIRCBot> BUG # <BUG. NO>

BUGREPORT|
```

```
[18:34] <@Madan> BUGREPORT
[18:34] <BugTrackerIRCBot> So you need a Bug
Report!
[18:34] <BugTrackerIRCBot> Wait for a moment!
[18:34] <BugTrackerIRCBot> Total Open Bugs:4
[18:34] <BugTrackerIRCBot> Total Closed Bugs:2
```

```
[19:34] <@Madan> BUG # 125
[19:34] <BugTrackerIRCBot> So you need info
about BUG # 125
[19:34] <BugTrackerIRCBot> Wait for a moment!
[19:34] <BugTrackerIRCBot>
\[http://mybugsystem.net/bugs/125\] [Status]:
Open [Title]:Left menu is not collapsing.
```

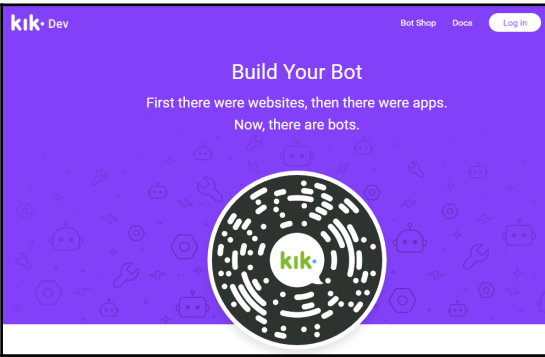
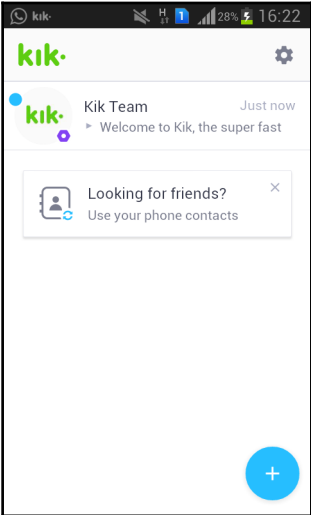


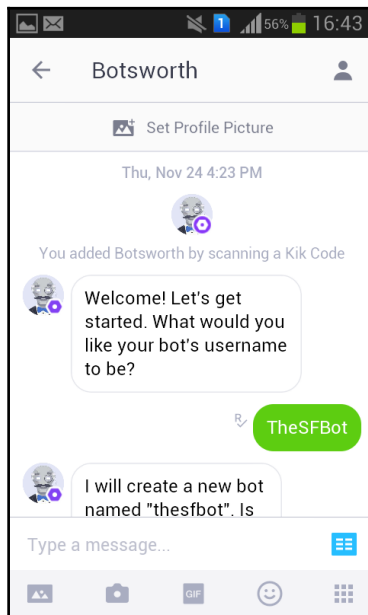
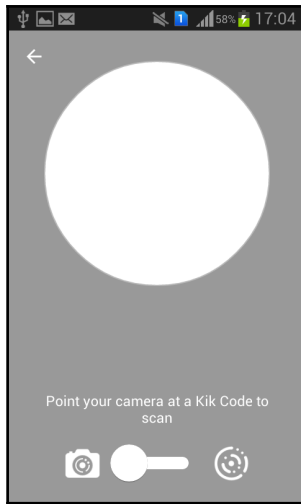
```
125
Document
Save Discard Delete Refresh Properties

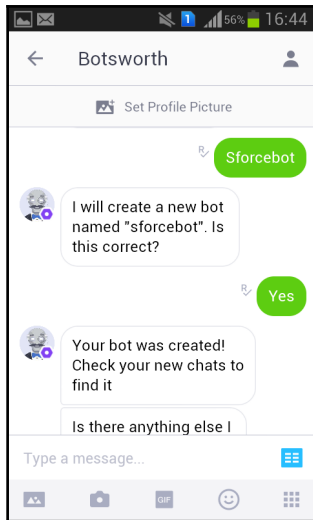
1 {
2   "id": "125",
3   "status": "Open",
4   "title": "Left menu is not collapsing.",
5   "description": "After logging in, Left menu",
6   "priority": "Medium",
7   "assignedto": "Alisha",
8   "url": "http://mybugsystem.net/bugs/125"
9 }
```

```
[19:25] <@Madan> BUG # 12345
[19:25] <BugTrackerIRCBot> So you need info
about BUG # 12345
[19:25] <BugTrackerIRCBot> Wait for a
moment!
[19:25] <BugTrackerIRCBot> No bugs found.
```

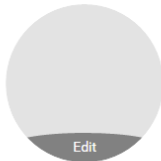
Chapter 09







Account Settings



sforcebot
Display Name

Admins

mbhintade

API Key

API Key:	Generated:
a0 [redacted] f1	19:06 Nov 24, 2016

Node JS Empty Web App

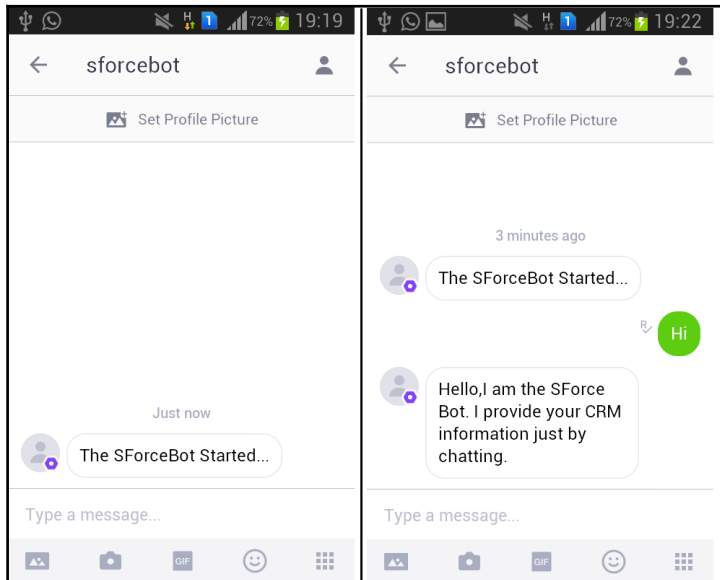
* App name
thesfbotsite ✓
.azurewebsites.net


* Subscription
Free Trial


* Resource Group ⓘ
 Create new Use existing
nodejsbot_resources

* App Service plan/Location
ServicePlan2bb1286a-854b(Sout... >


Application Insights ⓘ





Closing This Month
Edit | Delete | Create New View

New Opportunity

A | B | C | D | E | F | G



<input type="checkbox"/>	Action	Opportunity Name ↑	Account Name	Amount	Close Date
<input type="checkbox"/>	Edit Del +	App Development	Crystal Partners	\$120,000.00	12/26/2016
<input type="checkbox"/>	Edit Del +	Technology Consulting	Crystal Partners	\$50,000.00	12/2/2016


Closing Next Month
Edit | Delete | Create New View

New Opportunity

A | B | C | D | E | F | G

<input type="checkbox"/>	Action	Opportunity Name ↑	Account Name	Amount	Close Date
<input type="checkbox"/>	Edit Del +	iBeacon Implementation	Tim's Cafe	\$450,000.00	1/31/2017

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Personal Setup

- My Personal Information
 - [Reset My Security Token](#)

Reset Security Token

When you access Salesforce from an IP address that isn't trusted, you'll be prompted to enter a sensitive alphanumeric code that's tied to your password. Why?


After you reset your token, you can't use your old token.

