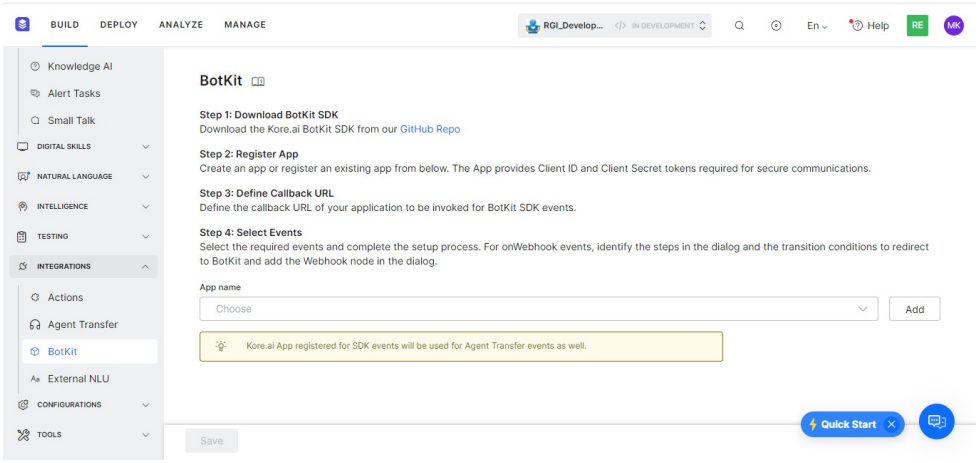
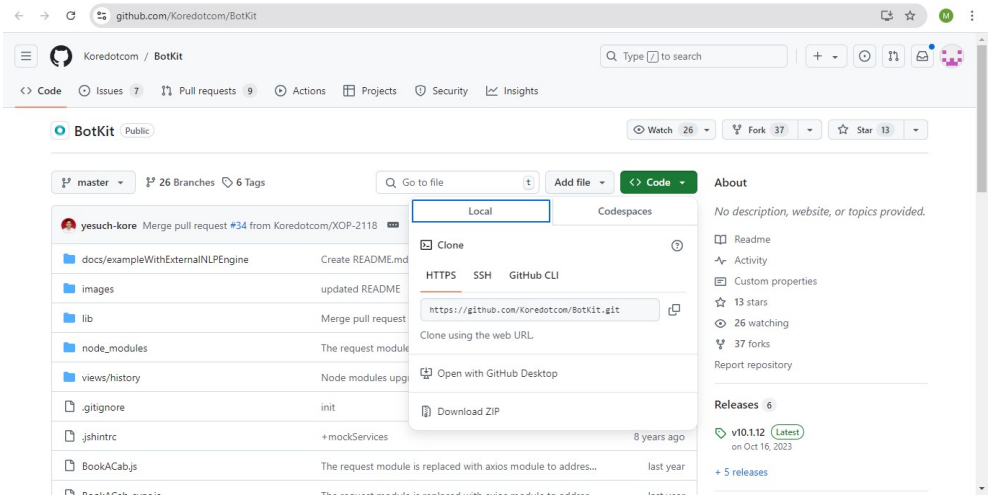
Hosting Botkit SDK On AWS EC2

Step 1: Download Botkit from Kore.ai Plaform

1. Go to Build -> Integrations and click on the Github Repo.

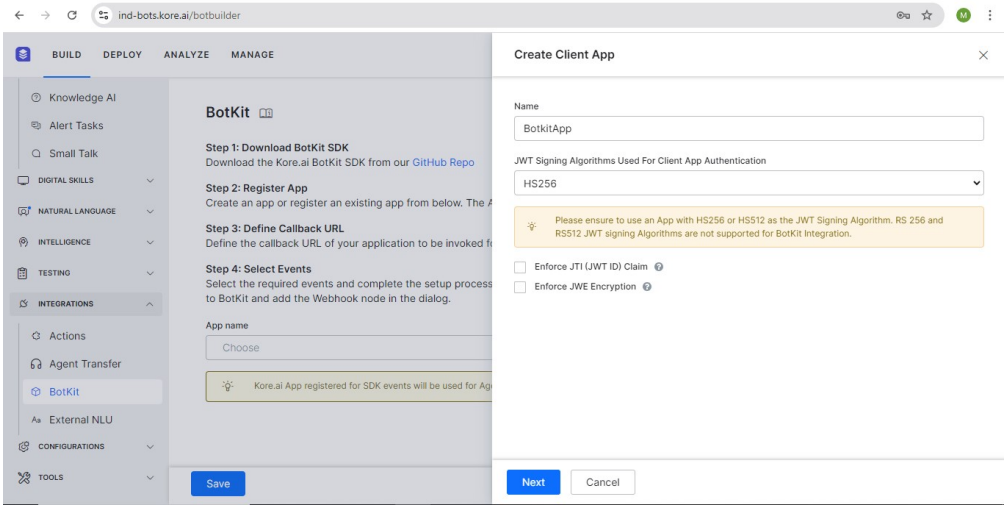


2. Click Download ZIP

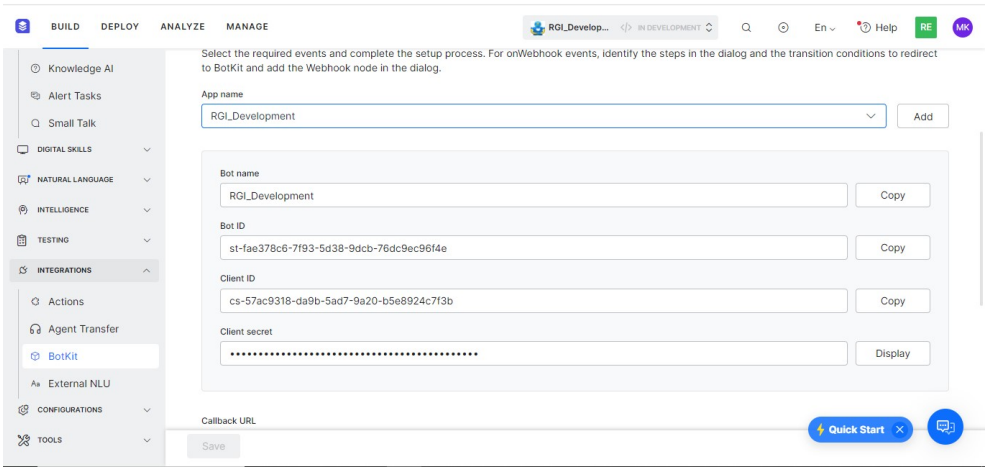


Step 2: Connect Botkit to bot

1. To connect bot to Botkit you need to create APP in Kore.ai platform
2. Go to Build -> Integrations -> Add (fill the required details as mentioned in below image and click on next) -> Done.



3. Select the created app in the App name.
4. You will get the credentials of App.



5. Update these credentials in the downloaded botkit SDK

In the config.json file in the SDK, you will need to copy the following authentication keys from the XO Platform.

appId = ClientID
appKey – Client Secret

```
"credentials": {
    "apikey": "Qg2f7J5nc3viEVnqjhCTS4c1zx85/PzvBpP+sXlYa2M=",
    "appId": "cs-a47aeeb7-3e46-5423-b4bc-d275b8b464cf",
    "st-67890":{
        "apikey": "test_api_key2",
        "appId": "test_app_id2"
    }
},
"jwt": {
    "jwtAlgorithm": "HS256",
    "jwt-expiry": 60,
```

Update the botID and botName in the file you have to run by botkit.

botId: Bot ID,
botName: Bot name,

```
module.exports = {
    botId: "st-fae378c6-7f93-5d38-9dcb-76dc9ec96f4e",
    botName: "RGI_Development",
    on_user_message: async function(requestId, data, callback) {
        if (!data.context.session.BotUserSession.entities) {
            data.context.session.BotUserSession.entities = {};
```

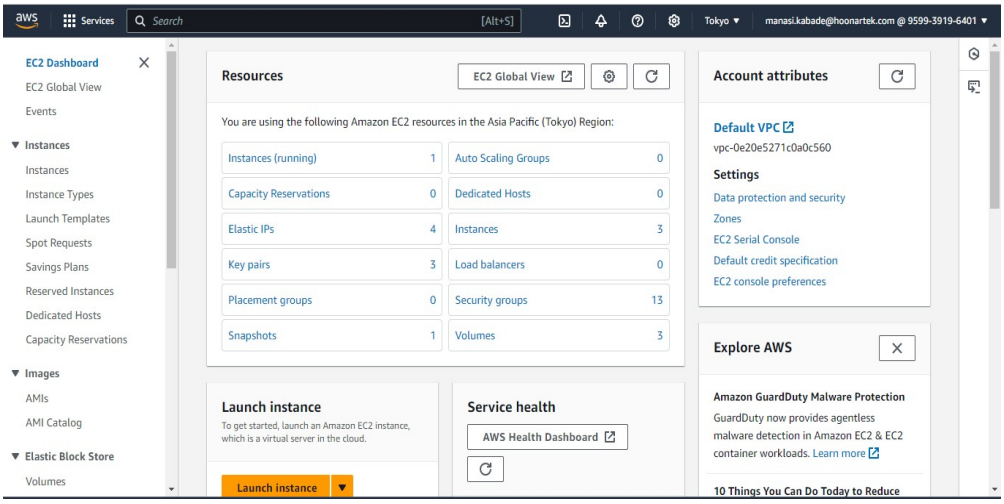
File which you want to run by Botkit mention it in **App.js**

sdk.registerBot(require('./YourFileName.js'));

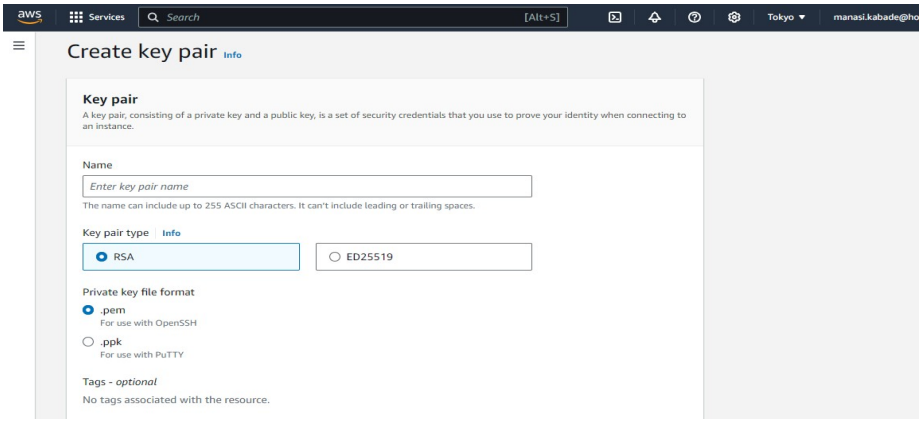
```
JS app.js > ...
1   var Application = require("./lib/app");
2   var Server      = require("./lib/server");
3   var sdk         = require("./lib/sdk");
4   var config      = require("./config");
5
6   var app    = new Application(null, config);
7   var server = new Server(config, app);
8
9   sdk.checkNodeVersion();
10
11  server.start();
12
13  // sdk.registerBot(require('./FindAFlight.js'));
14  // sdk.registerBot(require('./SimpleConversationalBot.js'));
15  // sdk.registerBot(require('./SimpleConversationalBotWithMultipleBotId.js'));
16  // sdk.registerBot(require('./GuessTheNumber.js'));
17  // sdk.registerBot(require('./BookACab.js'));
18  // sdk.registerBot(require('./OrderAPizza.js'));
19  // sdk.registerBot(require('./BotVariables.js'));
20  // sdk.registerBot(require('./LiveChat.js'));
21  sdk.registerBot(require('./UploadDocuements.js'));
22
```

Step 3: Create AWS EC2 instance

1. Login to your AWS account
2. Services -> EC2



3. Key pairs -> create key pair of file format **.pem**



4. Download key pair .**pem** file.
5. Now go to EC2 -> instances->Launch Instance

Instance type - t2.micro

Key pair (login)- select key which you have downloaded

Launch instance with t2.micro default configurations.

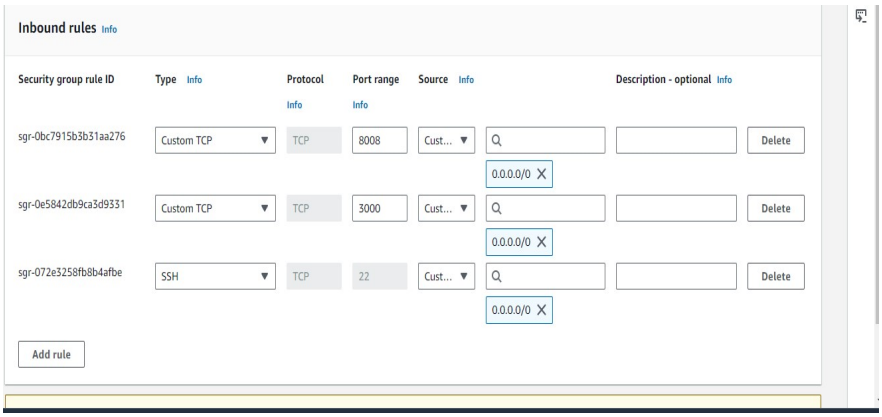
Note : these configurations will change according to the load and performance.

Step 6: Allocate elastic public IP to the EC2 instance.

1. EC2 -> Elastic IP's -> create one IP and Allocate to created EC2 instance.

Step 7: Open the ports which are configured in the botkit.

1. EC2->select instance->Security Groups->Edit inbound rules



Step 8: Add Hosting URL in Botkit SDK.

Update the URL in config.json

```
{
  "server": {
    "port": 8008
  },
  "app": {
    "apiPrefix" : "",
    "url": "http://Elastic IP:8008"
     },
```

Step 9: Upload botkit SDK on to the EC2

1. Create ZIP file of the botkit SDK.
2. Keep .**pem** file and **Botkit ZIP** file in same directory.
3. Open the cmd and go to directory
4. Paste the below command with required changes:

    scp -i "keyPair.pem" "RGI2.zip" ec2-user@ec2-57-180-144-182.ap-northeast-1.compute.amazonaws.com:/home/ec2-user

    so it upload your Botkit to EC2

Note : You can upload botkit by using WinSCP Application as well.

5. Paste "**ssh -i "testRGI.pem" ec2-user@ec2-57-180-144-182.ap-northeast-1.compute.amazonaws.com"** to connect with EC2
6. Unzip the Botkit

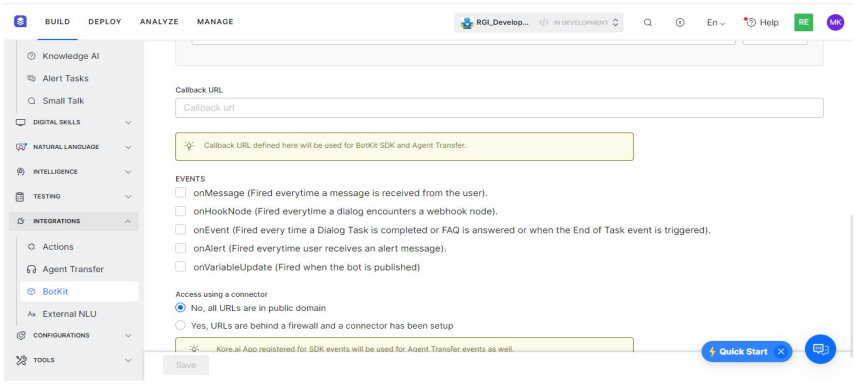
    unzip RGI2.zip -d ./RGI2

7. Install node.js by command **"npm install"**
8. Run the app.js

    node app.js

Step 10: Update callback URL in the Bot

1. Add the hosting URL in callback URL.



2. Select **onMessage** -> **Save**

You can also refer the below link for details:

https://developer.kore.ai/docs/bots/sdks/botkit-sdk-deployment-guide/