
rindus slackbot documentation

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CHAPTER 1

Introduction

This document will help to get the rindus slackbot into place.

We are using Slack for our teams to communicate and additionally it helps us in automating

- information propagation/aggregation
- process initiation/monitoring

in combination with this automata.

CHAPTER 2

Features

- Be awesome
- Make things easier

CHAPTER 3

Installation

Install the rindus slackbot by running

```
git clone https://github.com/RindusIoTJam/slackbot.git
virtualenv venv
source venv/bin/activate
pip install -r requirements.txt
```


4.1 Production setup

You set the Slack bot token in the config file

Listing 1: settings.json

```
{
  "slackbot.token": "XXXX-325920249586-tkG2oNbZlOMrsjvkeVesRsO4",
  "plugins": [
    "#-- BotMaster Commands -----",
    "BotMasterCommands",
    "#-- Direct Commands -----",
    "BotInfoCommand",
    "CurrentCalendarCommand",
    "CurrentTimeCommand",
    "RandomJokeCommand",
    "#-- Channel Commands -----"
  ]
}
```

and simply start the slackbot with

```
python app.py
```

The help command is the only build-in command of the bot.

Caution: If the BotMasterCommands plugin is enabled, then you should as soon as possible open a direct chat with the bot and enter the following chat messages (replacing @bot with the @ and the bots name:

```
@bot !botchan
!register
```

The first message this DM between you and the bot as a channel where you don't have to put @bot in front of all commands. The second command registers your SlackID as the ID that has BotMaster rights.

4.2 Development setup

You can create a `local_settings.json` file, that is git ignored and just consists of one relevant line staring with `slackbot.token`. It is anyway overwriting every setting made in the `settings.json` with the settings made there.

Listing 2: local_settings.json

```
{  
  "slackbot.token": "xoxo-393952263286-sRsuiTOM645vtkGxoNbZkeVe"  
}
```

CHAPTER 5

Command Line Interface

You can use the CLI to send a message to a channel by for example crontab.

CLI parameters help

```
/opt/slackbot/venv/bin/python app.py -h
```

Example:

```
/opt/slackbot/venv/bin/python app.py --convo G0124GFUAQY  
--message "Tür -> door"  
--emoji "de"  
--username "German Word Bot"
```


6.1 Abstract

Plugins extend the functionality of the bot. They are configured at the `settings.json` by adding the plugin name to the plugins list. There are 4 types of plugins:

- Channel Commands: Given in a channel in the form `word:`
- Direct Commands: Given to the bot in the form `@bot word`
- Botmaster Commands: Only available to the registered botmaster
- CommandSets: A bundle of commands of whatever type

6.1.1 Plugins

BotMasterCommands

Type:

CommandSet of Botmaster commands

Adds the commands

- `!botchan`
- `!register`
- `!quit`

`!botchan`: Messaging the bot in a direct chat `@bot` `!botchan` registers that channel as the one the botmaster uses to communicate with the bot without the need of prefixing direct commands with `@bot`.

`!register`: Registers your Slack ID as the botmaster who is authorized to give botmaster commands.

`!quit`: Instantly but graceful quit the bot.

RandomJokeCommand

Type:

Direct Command

Adds the command

- `joke`

Get you a random joke from <https://geek-jokes.sameerkumar.website/api> (mostly Chuck Norris jokes)

CurrentCalendarCommand

Type:

Direct Command

Adds the command

- `calendar`

Gives back a calendar of the current year.

CurrentTimeCommand

Type:

Direct Command

Adds the command

- `calendar`

Tells the bots local date and time in ISO 8601 format, YYYY-MM-DDTHH:MM:SS.

CHAPTER 7

Contribute

- Issue Tracker: github.com/RindusIoTJam/slackbot/issues
- Source Code: github.com/RindusIoTJam/slackbot

CHAPTER 8

Support

If you are having issues or ideas, please let us know. Maybe we can help.

We have an issue tracker located at: <https://github.com/RindusIoTJam/slackbot/issues>

CHAPTER 9

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Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short

notice like this when it starts in an interactive mode:

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