

Creating a new Telegram bot:

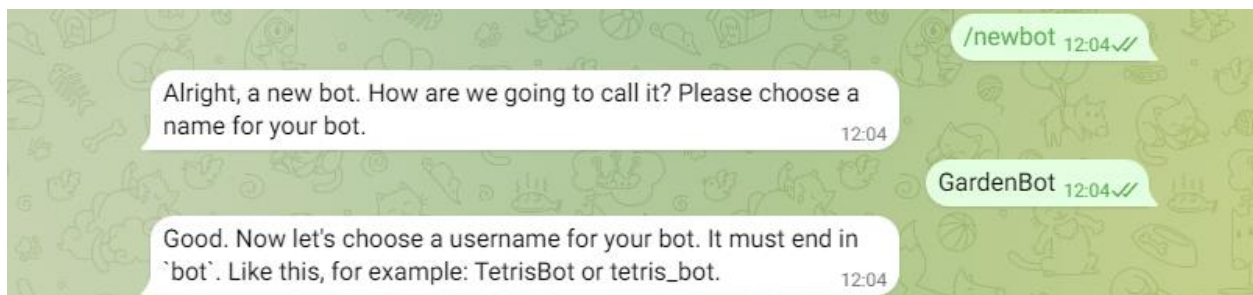
1. Find BotFather account on Telegram as follows:



2. Send a message: “/newbot” to the BotFather account. This starts the process of creating a Telegram bot. You can then choose a name for your bot and a unique bot username. In our case, we added the following:

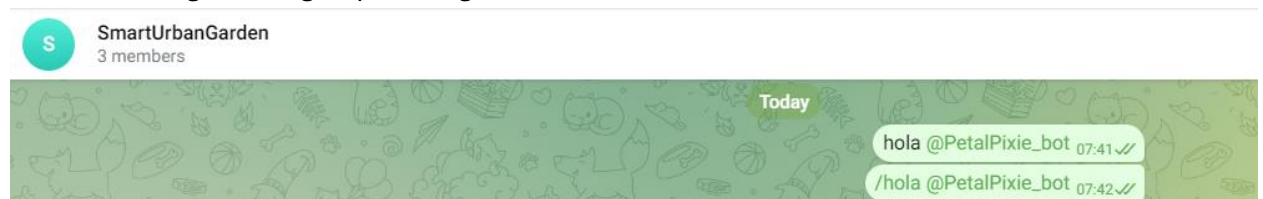
Name: GardenBot

Username: PetalPixie_bot



This will create your bot and in response, you will get the bot access token. Save this access token.

3. Create a chat group and add your newly created bot and any other users that might be relevant to the project.
4. Send a message to the group and tag the bot as seen below:



5. To find the chat_id for the group, use the following API:

https://api.telegram.org/{bot_token}/getUpdates

In response, you should get a response like:

...

```
"chat": {  
  "id": -4065678900,  
  "title": "Tony and Hello world bot",  
  "type": "group",  
  ...  
}
```

You can then use the **id** value for connecting your chat group for receiving updates and alerts.

6. We then configured the Grafana alerts using the following steps:
 - a. Toggle the side menu and navigate to Alerting > Contact points
 - b. Click on + Add contact point
 - c. Name the contact point. For example: telegram
 - d. Under Integration, select Telegram
 - e. Enter your Telegram credentials: bot API token and chat ID
 - f. Click Test, to check that the integration works. If it does not work, double check that you have copied and pasted your credentials correctly.
 - g. Click Save contact point

The screenshot shows the 'Contact points' configuration page in Grafana. The title is 'Contact points' with a subtitle 'Choose how to notify your contact points when an alert instance fires'. Below this is a section 'Create contact point'. The form includes a 'Name' field with the value 'telegram'. The 'Integration' dropdown is set to 'Telegram', with a 'Test' button to its right. The 'BOT API Token' field contains 'Telegram BOT API Token'. The 'Chat ID' field, with a subtitle 'Integer Telegram Chat Identifier', contains '-4065678900'. Below these fields are two expandable sections: 'Optional Telegram settings' and 'Notification settings'. At the bottom of the form is a '+ Add contact point integration' button. At the very bottom are two buttons: 'Save contact point' (highlighted in blue) and 'Cancel'.

- h. We can then change the notification to send the notifications to Telegram by default.
 - In Grafana's sidebar, navigate to Notification policies

- Under Default policy, click the ellipsis icon (...)
- Click Edit
- Change the Default contact point to telegram

References:

- <https://www.freecodecamp.org/news/how-to-create-a-telegram-bot-using-python/>
- <https://grafana.com/blog/2023/12/28/how-to-integrate-grafana-alerting-and-telegram/>