# **Setup Guide for Plague-bot**

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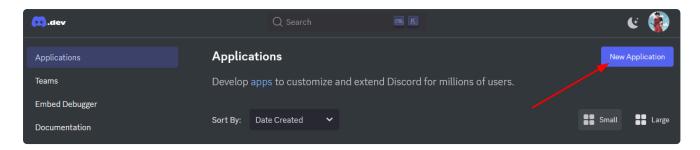
## 1. How can I get the API keys?

### 1.1. Discord API token (Mandatory)

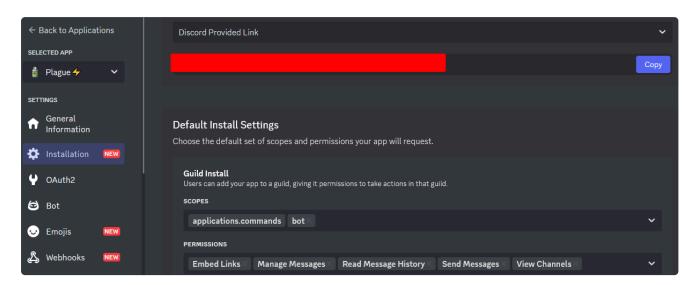
To allow the bot to use the code from this repository, you'll need to follow these steps. First, log in with your Discord account on the Developer Portal:

Link: <a href="https://discord.com/developers/applications">https://discord.com/developers/applications</a>

Then, go to Applications tab and click on New Application:



You can name it and write his description as you wish. Now, go to the *Installation* tab and set the installation context to *Guild Install*. The bot requires certain *Intents*, special permissions that allow it to perform various actions in your *guild* (Discord server). You can do this in the same tab:

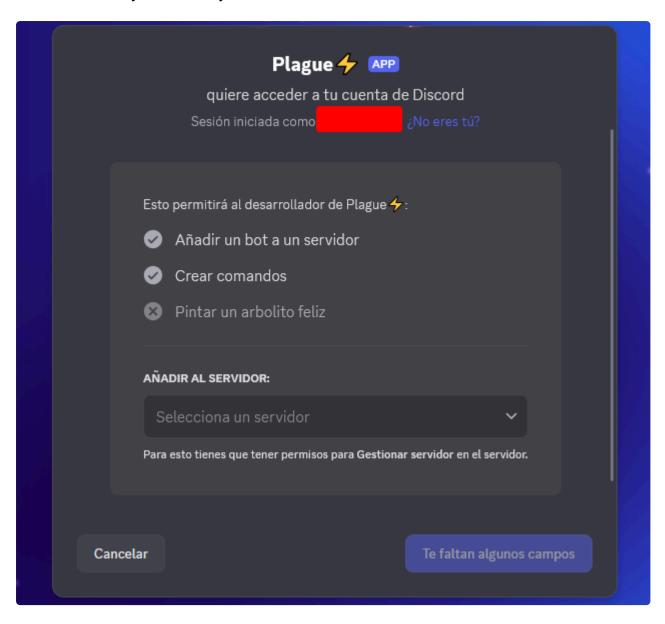


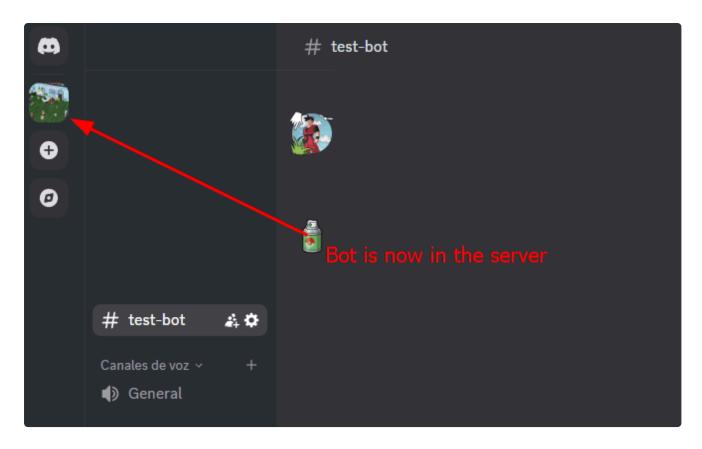
Also, you can make a custom link in the *OAuth2* tab with the same required permissions. Next, go to *Bot* tab and add a bot to your app. Once this is done, you'll see a button to reveal the token. You'll need to add this on .env file.

#### **Marning**

The bot token can only be viewed once for security reasons.

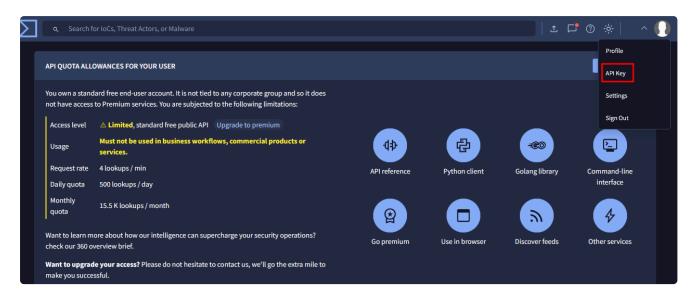
Finally, go back to the *Installation* tab, where you'll find the *Discord Provided Link* needed to invite your bot to your server:





1.2. VirusTotal API Key (Optional)

VirusTotal API key has a free plan for registered users. You only have to sign in on VirusTotal and go to the API key panel.



Link: <a href="https://www.virustotal.com">https://www.virustotal.com</a>

# 2. How can I deploy Plague?

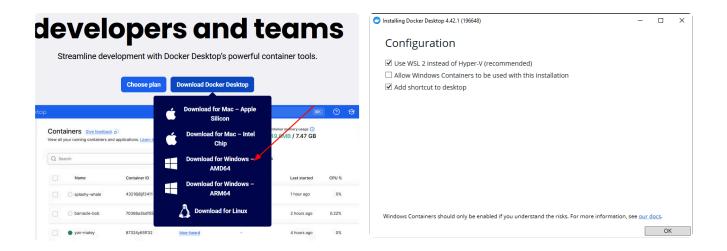
There are 2 methods available to deploy this bot locally (also works on cloud).

### 2.1. With Docker Desktop (Recommended)

This method also works with the **Docker CLI** if you prefer not to use **Docker Desktop**.

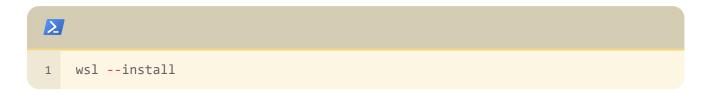
**Download link:** Docker Desktop

□ Installation of the setup



**Docker Desktop** requires WSL 2 (Windows Subsystem for Linux version 2) for optimal performance. If WSL 2 isn't enabled on your system, follow these steps to set it up:

- 1. Open PowerShell as Administrator.
- 2. Run the following command to install WSL



3. Once installed, restart your computer if necessary.

Now start Docker Desktop and open a terminal instance (you can do it with the button on right bottom *Terminal*). Next, ensure you are in the project folder where the Dockerfile is located (if not, navigate to that directory with cd <path>\to\dockerfile). Run docker build . -t <name\_image> to build an Image:

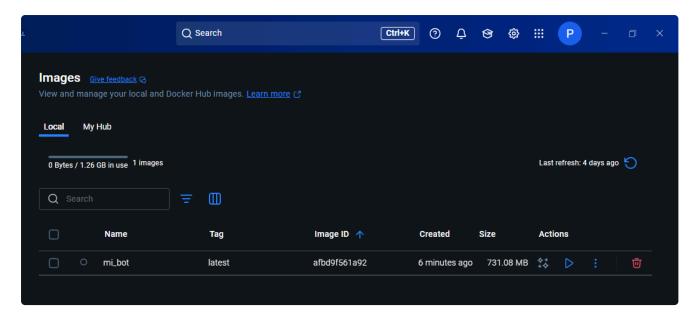
```
"/Desktop/Plague-Discord-Bot (main)

$ ls
Dockerfile bot poetry.lock pyproject.toml

"/Desktop/Plague-Discord-Bot (main)

$ docker build . -t mi_bot
```

Now you should have an *Image* with the content specified in the **Dockerfile** (you can see it in the *Images* tab or with **docker images** command):



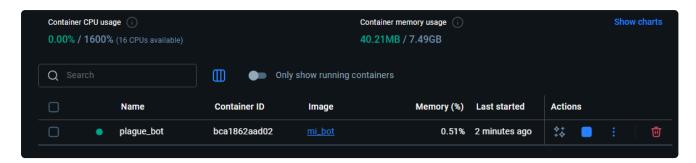
The bot requires two keys to function fully: a **Discord token** (mandatory) and a **VirusTotal API key** (optional), which I explained how to obtain earlier. Once you have them, create a file named **.env** containing those in the following format:

```
DISCORD_TOKEN=your_discord_token
VT_API_KEY=your_virustotal_api_key
```

Now, from the directory where .env is located, run the command docker run --envfile .env -d --name <name\_container> <name\_image> :

```
~/Desktop/Plague-Discord-Bot (main)
$ pwd
/c/Users/alber/Desktop/Plague-Discord-Bot
-rw-r--r-- 1 alber 197609
                             163 Jun 24 01:48 .env
drwxr-xr-x 1 alber 197609
                               0 Jun 30 23:39 .git
-rw-r--r-- 1 alber 197609
                              80 Mar 10 14:09 .gitignore
-rw-r--r-- 1 alber 197609
                             734 Jul 1 00:31 Dockerfile
drwxr-xr-x 1 alber 197609
                               0 Jun 29 19:39 bot
-rw-r--r-- 1 alber 197609 130432 Jun 29 17:23 poetry.lock
-rw-r--r-- 1 alber 197609
                             701 Jun 29 17:23 pyproject.toml
                              ~/Desktop/Plague-Discord-Bot (main)
$ docker run --env-file .env -d --name plague_bot mi_bot
bca1862aad02055a6ac4f0d9b30c01526c70be3c9763eb61fc0591df1d6dcede
```

If you go to the *Containers* tab, there should be a new container with the bot already running:



You can stop and delete it using the buttons from the figure (same with image and build). If you click on the container, you can see more details about it and even access a terminal in case you need to make urgent changes.

### 2.2. Install dependencies and tools needed

If you don't want to use **Docker Desktop**, you'll need to install the packages and Python interpreter specified in <a href="pyproject.toml">pyproject.toml</a> to run Plague. You can install **Poetry** to manage dependencies easily without issues.

```
1 curl -sSL https://install.python-poetry.org | python3 -
```

#### Clone this repository:

```
git clone https://github.com/DevPlague/Plague-Discord-Bot.git
cd Plague-Discord-Bot
```

Now, install dependencies with Poetry. This will create an environment automatically:

```
1 poetry install
```

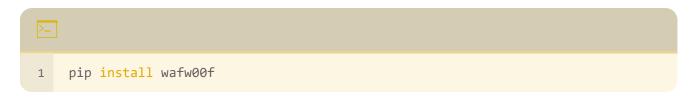
#### Activate the environment:

```
1 source $(poetry env info --path)/bin/activate
2
1 & (poetry env info --path)\Scripts\Activate.ps1
```

The bot requires two keys to function fully: a **Discord token** (mandatory) and a **VirusTotal API key** (optional), which I explained how to obtain earlier. Once you have them, create a file named **.env** containing those in the following format:

```
DISCORD_TOKEN=your_discord_token
VT_API_KEY=your_virustotal_api_key
```

If you want to use WAF detection functionality, install wafw00f:



Finally, run discbot.py

