



Minicurso de Bots Discord com Python

Aula 1



Discord.py

É a biblioteca que iremos usar.

Ela é um wrapper para utilizar a API do discord que controla os bots de forma amigável.





Instalação Discord.py

Para instalar, abra um terminal e digite:

pip install discord.py -U

A instalação deverá finalizar sem erros:

```
Collecting idna>=2.0
  Downloading idna-3.4-py3-none-any.whl (61 kB)
    |████████████████████| 61 kB 63 kB/s
Installing collected packages: multidict, idna, yarl, charset-normalizer, frozenlist, async-timeout,
aiosignal, attrs, aiohttp, discord.py
Successfully installed aiohttp-3.8.3 aiosignal-1.3.1 async-timeout-4.0.2 attrs-22.1.0 charset-normalizer-2.1.1 discord.py-2.1.0 frozenlist-1.3.3 idna-3.4 multidict-6.0.3 yarl-1.8.2
```

Criação do bot no Portal de Desenvolvedor



discord developers



Todas

Imagens

Notícias

Videos

Livros

Mais

Ferramentas

Aproximadamente 93.500.000 resultados (0,33 segundos)

[https://discord.com > docs > intro](https://discord.com/docs/intro) Traduzir esta página

Discord Developer Portal — Documentation — Intro

Bots and apps are the lifeblood of the **Discord** development community. They come in all shapes and sizes, from small hobby projects for your server with friends, ...

Criação do bot no Portal de Desenvolvedor



DEVELOPER PORTAL

Applications



Teams

Documentation



Search



Intro

Getting Started

Change Log

Reference

INTERACTIONS

Application Commands

Introduction

You've found the Discord Developer Documentation! These pages are dedicated to awesome bots for your community, empower your applications with our API, or how

All of our [documentation is on GitHub](#) and we <3 corrections and improvements!

Bugs

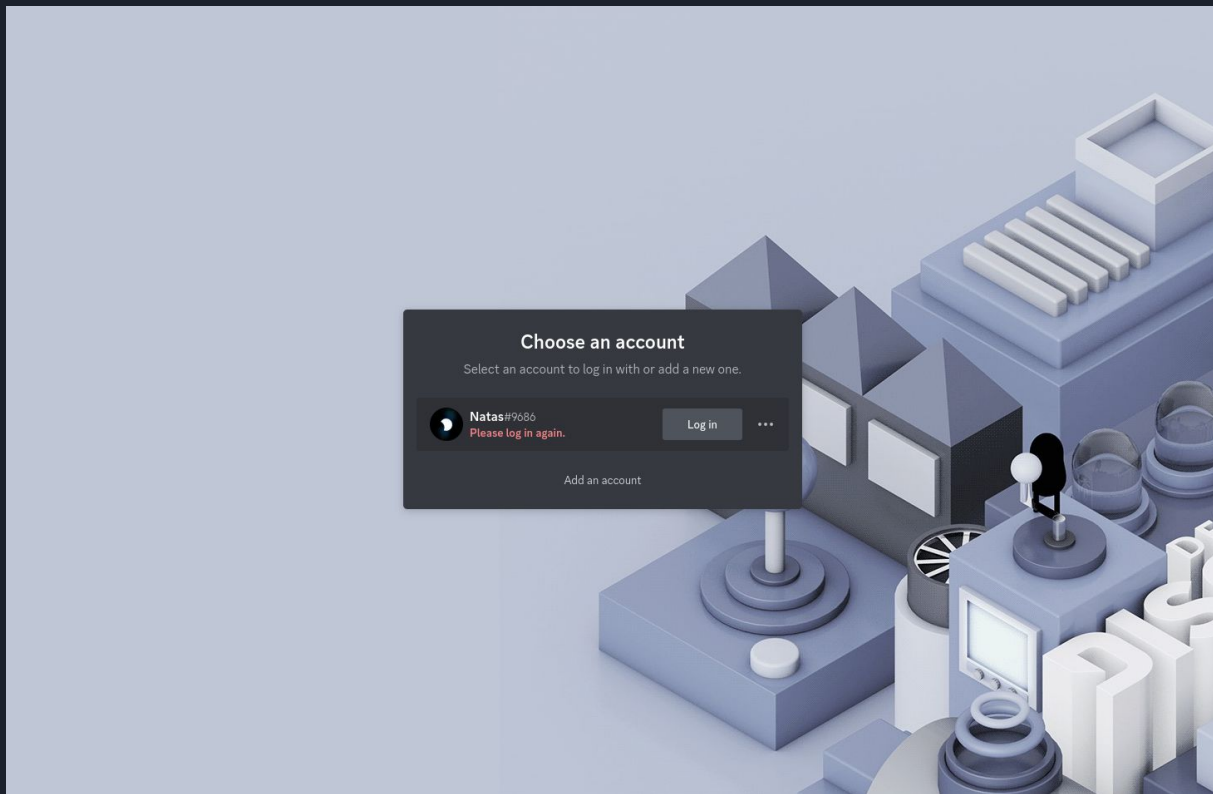
If you believe you're experiencing a bug with our API or want to report incorrect do

Bots and Apps

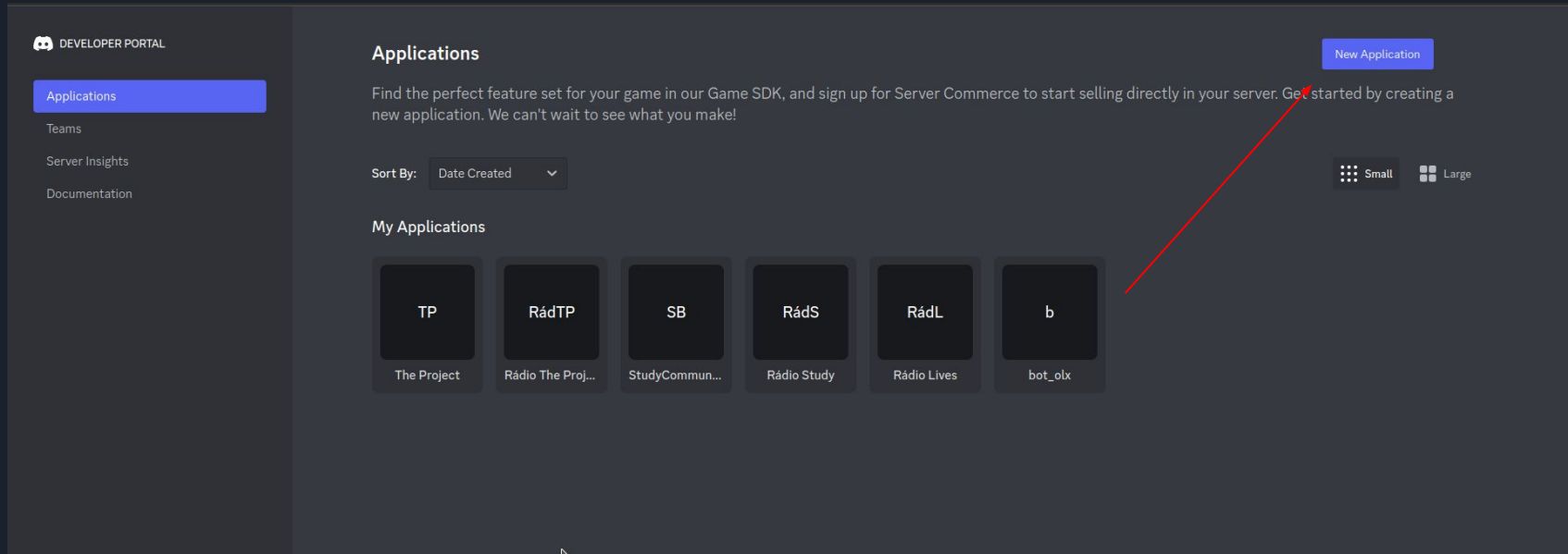
Bots and apps are the lifeblood of the Discord development community. They come hundreds of thousands of servers. We love seeing the unique, fun, and sometimes c

Discord offers an open API to serve requests for both bots and OAuth2 integration: you covered.

Criação do bot no Portal de Desenvolvedor



Criação do bot no Portal de Desenvolvedor



DEVELOPER PORTAL

- Applications
- Teams
- Server Insights
- Documentation

Applications

Find the perfect feature set for your game in our Game SDK, and sign up for Server Commerce to start selling directly in your server. Get started by creating a new application. We can't wait to see what you make!

Sort By: Date Created ▼

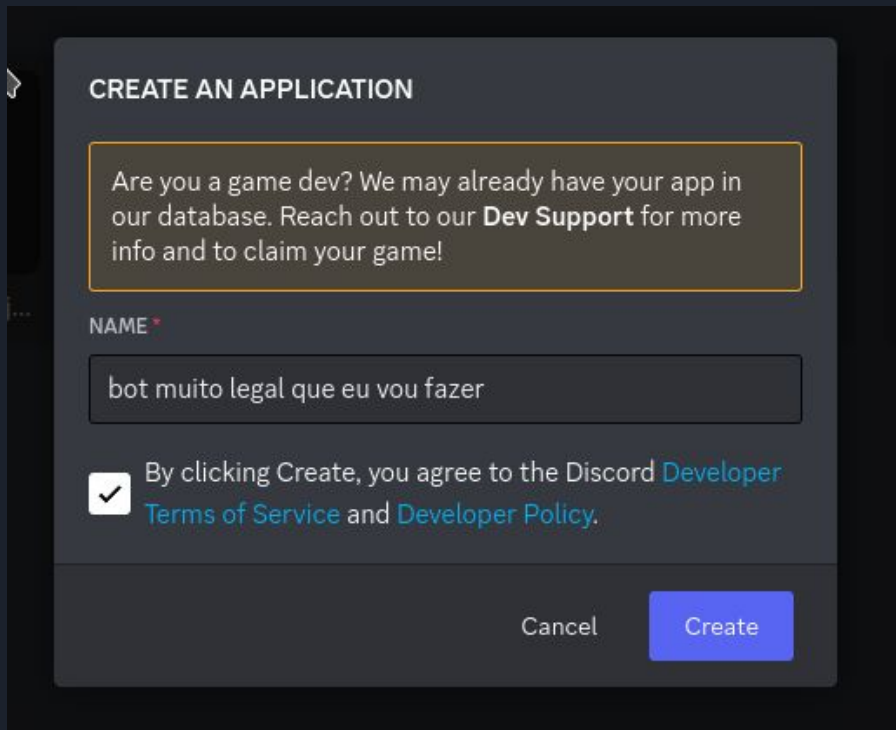
New Application

Small Large

My Applications

TP	RádTP	SB	RádS	RádL	b
The Project	Rádio The Proj...	StudyCommun...	Rádio Study	Rádio Lives	bot_olx

Criação do bot no Portal de Desenvolvedor



The image shows a screenshot of the 'CREATE AN APPLICATION' form in the Discord Developer Portal. The form is dark-themed with a grey background. At the top, the title 'CREATE AN APPLICATION' is in white. Below it, a yellow-bordered box contains a message about game developers. The 'NAME' field is required, indicated by a red asterisk, and contains the text 'bot muito legal que eu vou fazer'. A checkbox is checked, and the text below it states that clicking 'Create' agrees to the Discord Developer Terms of Service and Developer Policy. At the bottom right, there are two buttons: 'Cancel' and 'Create'.

CREATE AN APPLICATION

Are you a game dev? We may already have your app in our database. Reach out to our **Dev Support** for more info and to claim your game!

NAME *

bot muito legal que eu vou fazer

☒ By clicking Create, you agree to the Discord [Developer Terms of Service](#) and [Developer Policy](#).

Cancel Create

Criação do bot no Portal de Desenvolvedor

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SELECTED APP

bot muito legal que eu vou fazer ▼

SETTINGS

[General Information](#)

[OAuth2](#) >

[Bot](#) 

[Rich Presence](#) >


[App Testers](#)

General Information

What should we call your creation? What amazing things does it do?

By clicking Create, you agree to the Discord [Developer Terms of Service](#).

APP ICON



Size: 1024x1024

NAME

bot muito legal que eu vou fazer

DESCRIPTION (MAXIMUM 400 CHARACTERS)

Your description will appear in the About section.

TAGS (MAXIMUM 5)

Add up to 5 tags to describe the content of your application.

APPLICATION ID

1851818178468410418

Criação do bot no Portal de Desenvolvedor

Bot

Bring your app to life on Discord with a Bot user. Be a part of chat in your users' servers and interact with them directly.

[Learn more about bot users](#)

Build-A-Bot

Bring your app to life by adding a bot user. This action is irreversible (because robots are too cool to destroy).

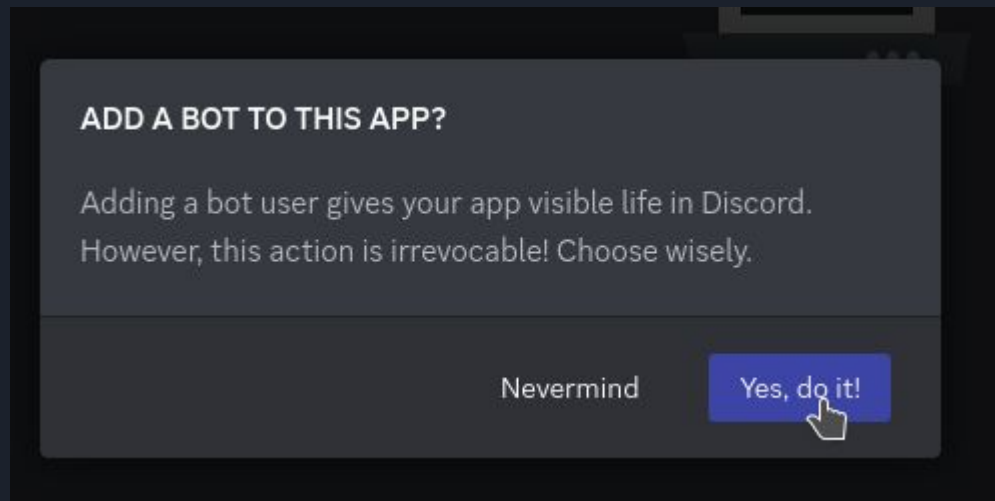


Add Bot





Criação do bot no Portal de Desenvolvedor



Criação do bot no Portal de Desenvolvedor

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SELECTED APP

bot muito legal que eu vou fazer ▾

SETTINGS

- General Information
- OAuth2
- Bot**
- Rich Presence
- App Testers

Reset Token

Authorization Flow

These settings control how OAuth2 authorizations are restricted for your bot (who can add your bot and how it is added).

PUBLIC BOT
Public bots can be added by anyone. When unchecked, only you can join this bot to servers. ☒

REQUIRES OAUTH2 CODE GRANT
If your application requires multiple scopes then you may need the full OAuth2 flow to ensure a bot doesn't join before your application is granted a token. ☐

Privileged Gateway Intents

Some [Gateway Intents](#) require approval if your bot is verified. If your bot is not verified, you can toggle those intents below to access them.

PRESENCE INTENT
Required for your bot to receive [Presence Update](#) events.
NOTE: Once your bot reaches 100 or more servers, this will require verification and approval. [Read more here](#) ☒

SERVER MEMBERS INTENT
Required for your bot to receive events listed under [GUILD_MEMBERS](#).
NOTE: Once your bot reaches 100 or more servers, this will require verification and approval. [Read more here](#) ☒

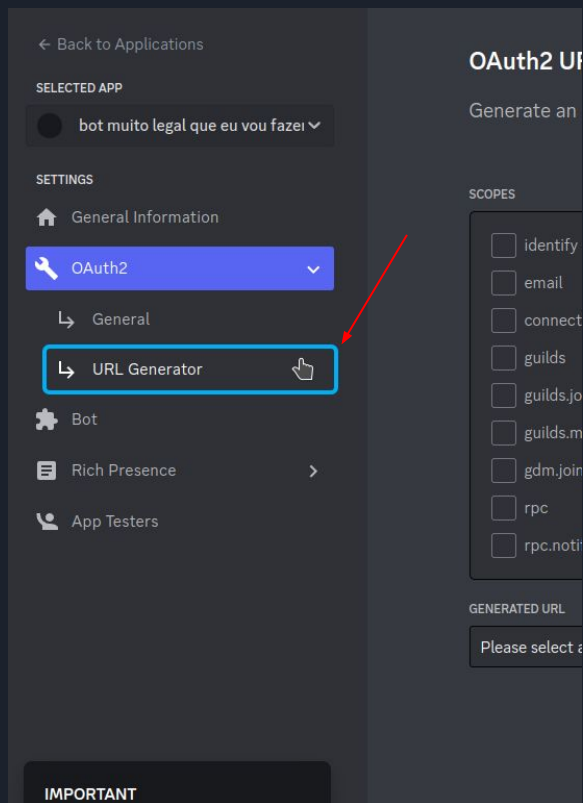
MESSAGE CONTENT INTENT
Required for your bot to receive [message content](#) in most messages.
NOTE: Once your bot reaches 100 or more servers, this will require verification and approval. [Read more here](#) ☒

IMPORTANT
We're updating our Developer Terms of Service and Developer Policy, effective October 1, 2022! Please review.
[See Terms](#) Dismiss

Careful — you have unsaved changes!

[Reset](#) [Save Changes](#)

Adicionar o bot no servidor de Discord



Adicionar o bot no servidor de Discord

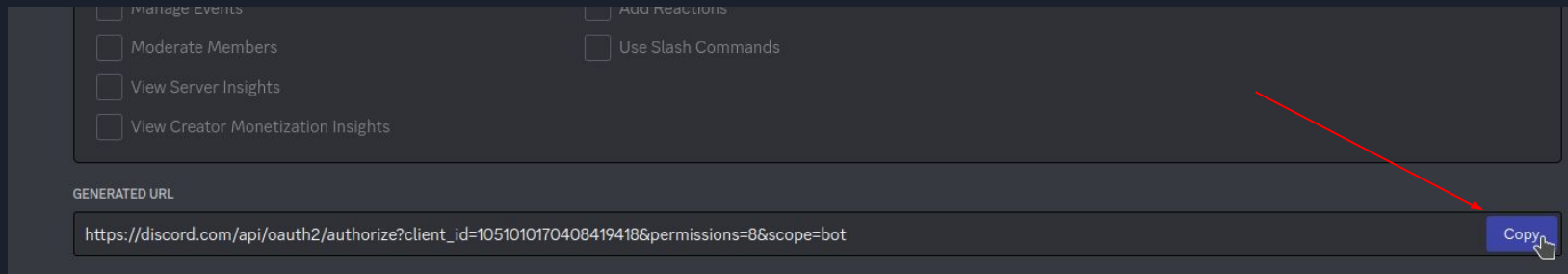
SCOPES

<input type="checkbox"/> identify	<input type="checkbox"/> rpc.voice.read	<input type="checkbox"/> applications.store.update
<input type="checkbox"/> email	<input type="checkbox"/> rpc.voice.write	<input type="checkbox"/> applications.entitlements
<input type="checkbox"/> connections	<input type="checkbox"/> rpc.activities.write	<input type="checkbox"/> activities.read
<input type="checkbox"/> guilds	<input checked="" type="checkbox"/> bot	<input type="checkbox"/> activities.write
<input type="checkbox"/> guilds.join	<input type="checkbox"/> webhook.incoming	<input type="checkbox"/> relationships.read
<input type="checkbox"/> guilds.members.read	<input type="checkbox"/> messages.read	<input type="checkbox"/> voice
<input type="checkbox"/> gdm.join	<input type="checkbox"/> applications.builds.upload	<input type="checkbox"/> dm_channels.read
<input type="checkbox"/> rpc	<input type="checkbox"/> applications.builds.read	<input type="checkbox"/> role_connections.write
<input type="checkbox"/> rpc.notifications.read	<input type="checkbox"/> applications.commands	

BOT PERMISSIONS

GENERAL PERMISSIONS	TEXT PERMISSIONS	VOICE PERMISSIONS
<input checked="" type="checkbox"/> Administrator	<input type="checkbox"/> Send Messages	<input type="checkbox"/> Connect
<input type="checkbox"/> View Audit Log	<input type="checkbox"/> Create Public Threads	<input type="checkbox"/> Speak
<input type="checkbox"/> Manage Server	<input type="checkbox"/> Create Private Threads	<input type="checkbox"/> Video
<input type="checkbox"/> Manage Roles	<input type="checkbox"/> Send Messages in Threads	<input type="checkbox"/> Mute Members
<input type="checkbox"/> Manage Channels	<input type="checkbox"/> Send TTS Messages	<input type="checkbox"/> Deafen Members
<input type="checkbox"/> Kick Members	<input type="checkbox"/> Manage Messages	<input type="checkbox"/> Move Members
<input type="checkbox"/> Ban Members	<input type="checkbox"/> Manage Threads	<input type="checkbox"/> Use Voice Activity

Adicionar o bot no servidor de Discord



☐ Manage Events

☐ Add reactions

☐ Moderate Members

☐ Use Slash Commands

☐ View Server Insights

☐ View Creator Monetization Insights

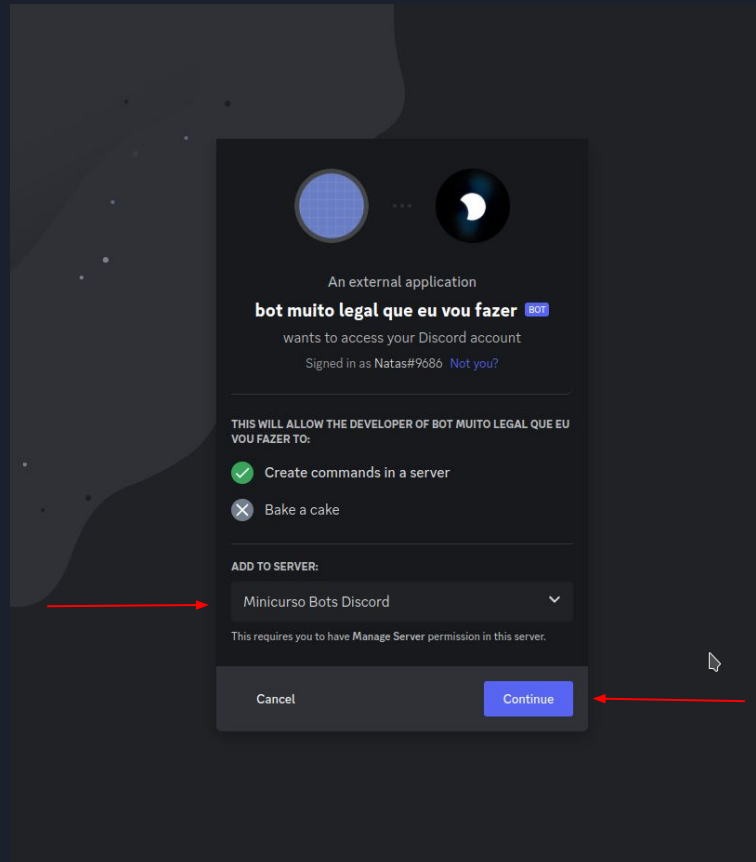
GENERATED URL

https://discord.com/api/oauth2/authorize?client_id=1051010170408419418&permissions=8&scope=bot

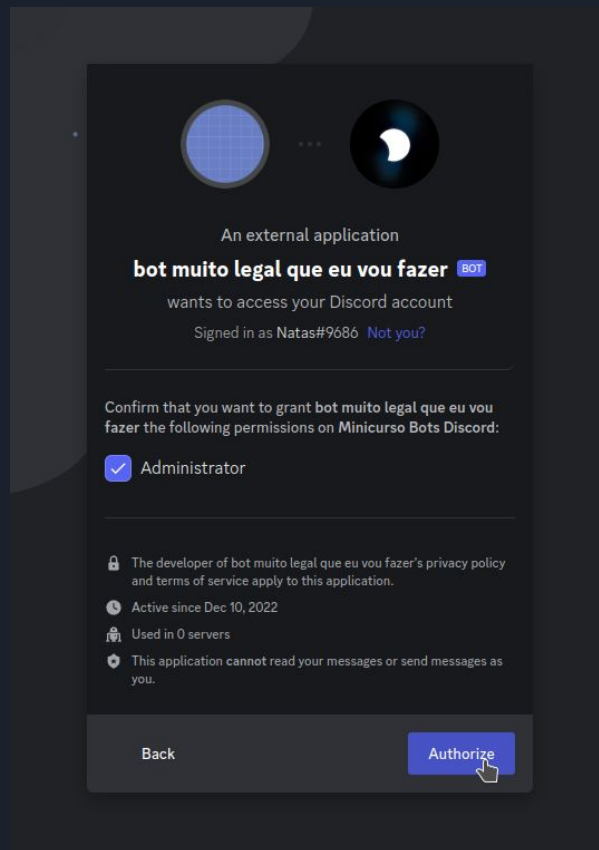
Copy

Acesse este link no navegador!

Adicionar o bot no servidor de Discord



Adicionar o bot no servidor de Discord



Criação do bot no Portal de Desenvolvedor

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SELECTED APP

bot muito legal que eu vou fazer ▼

SETTINGS

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App Testers

General Information

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APPLICATION ID

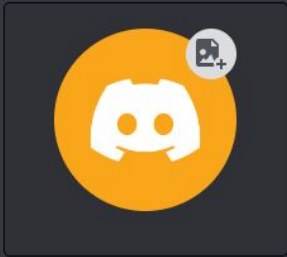
1051010170408410410

Criação do bot no Portal de Desenvolvedor

Build-A-Bot

Bring your app to life by adding a bot user. This action is irreversible (because robots are too cool to destroy).

ICON



USERNAME

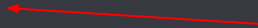
no-bot

#9163

TOKEN

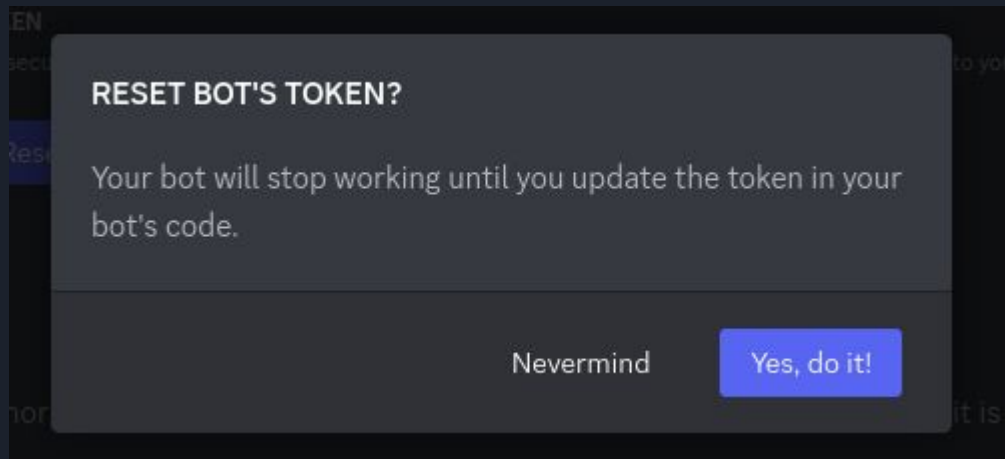
For security purposes, tokens can only be viewed once, when created. If you forgot or lost access to your token, please regenerate a new one.

Reset Token





Criação do bot no Portal de Desenvolvedor



Criação do bot no Portal de Desenvolvedor

Build-A-Bot

Bring your app to life by adding a bot user. This action is irreversible (because robots are too cool to destroy).

ICON



USERNAME

[!] Bot Minicurso

#7623

TOKEN

For security purposes, tokens can only be viewed once, when created. If you forgot or lost access to your token, please regenerate a new one.

MTA1MTAxMDE3MDQwODQxOTQxOA.GAMHSr9UWb2kY4wGuAsBdgKeP2CT93vkwKKKeck63QyY

Copy

Reset Token

Copie este token!



Apresentação do código básico para executar o bot


Entre no servidor:

<https://discord.gg/3UmetEEKyV>

Apresentação do código básico para executar o bot

Welcome to #aula-1!

This is the start of the #aula-1 channel.

 [Edit Channel](#)

December 10, 2022



Natas Today at 3:23 AM

```
import discord

client = discord.Client(intents=discord.Intents.all())

@client.event
async def on_ready():
    print(f'Logado com sucesso como {client.user}')

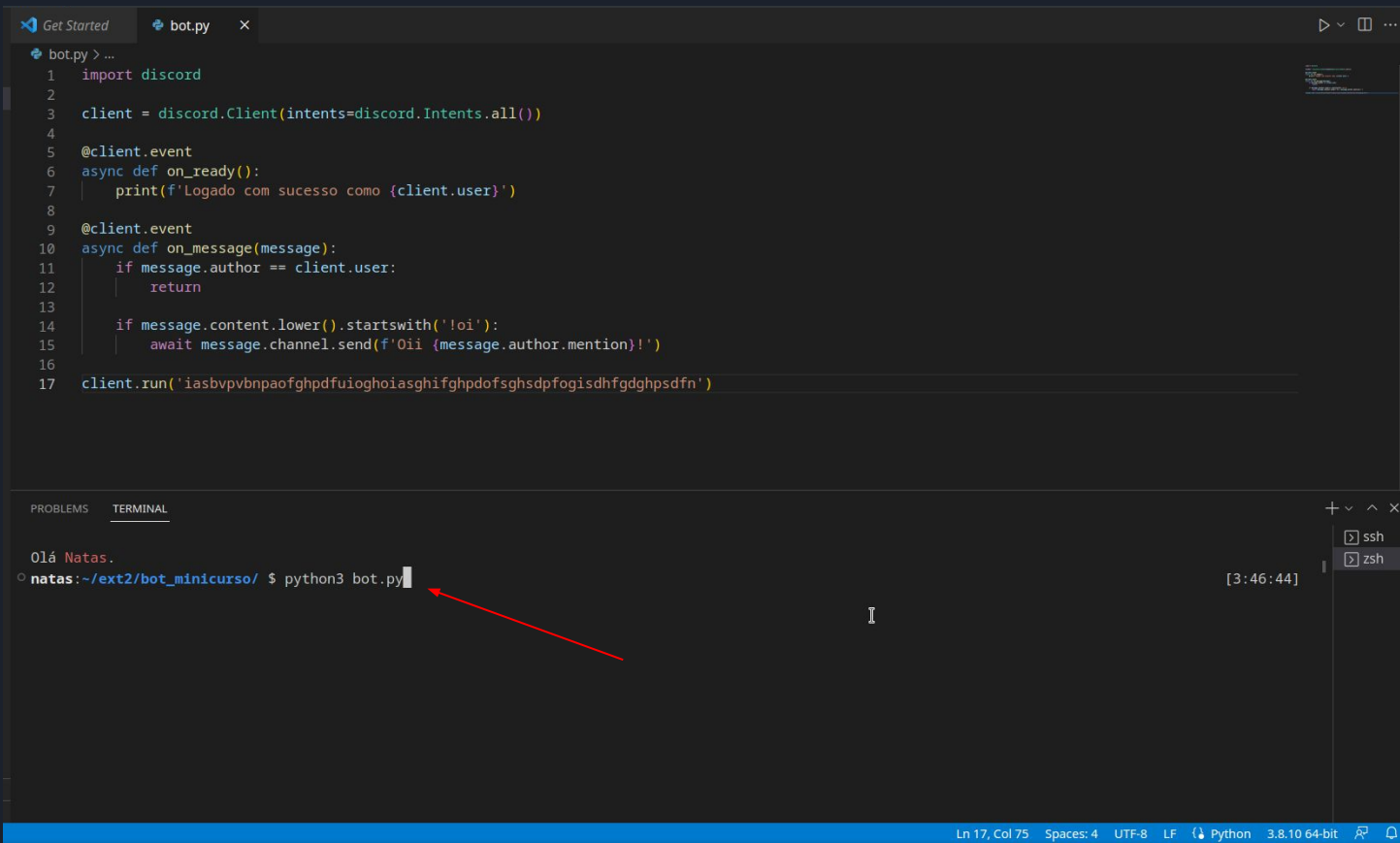
@client.event
async def on_message(message):
    if message.author == client.user:
        return

    if message.content.lower().startswith('!oi'):
        await message.channel.send(f'Oii {message.author.mention}!')

client.run('COLE SEU TOKEN AQUI DENTRO, NÃO REMOVA AS ASPAS SIMPLES')
```

Copie e cole este código dentro do seu editor de código preferido! (VSCode é bom)

Execução do bot e verificação do funcionamento



The image shows a Visual Studio Code editor window with a Python file named `bot.py`. The code defines a Discord bot using the `discord.py` library. It includes an `on_ready` event that prints a success message upon logging in, and an `on_message` event that checks if the message is from the bot or contains a mention, and responds accordingly. The bot is run using `client.run()` with a token.

```
1 import discord
2
3 client = discord.Client(intents=discord.Intents.all())
4
5 @client.event
6 async def on_ready():
7     print(f'Logado com sucesso como {client.user}')
8
9 @client.event
10 async def on_message(message):
11     if message.author == client.user:
12         return
13
14     if message.content.lower().startswith('!oi'):
15         await message.channel.send(f'Oii {message.author.mention}!')
16
17 client.run('iasbvpvbnpaofghpdfuioghoiasghifghpdofsghsdpfogisdhfgdghpsdfn')
```

Below the editor, the TERMINAL panel shows the command `python3 bot.py` being executed in a terminal window. The prompt indicates the user is `Natas` in the directory `~/ext2/bot_minicurso/`. A red arrow points to the terminal output area.

PROBLEMS TERMINAL

Olá Natas.

natas:~/ext2/bot_minicurso/ \$ python3 bot.py

[3:46:44]

ssh
zsh

Ln 17, Col 75 Spaces: 4 UTF-8 LF Python 3.8.10 64-bit

Apresentação do código básico para executar o bot

natas@studybot ~/bot_minicurso

```
% python3 bot.py
```

```
2022-12-10 04:08:43 INFO discord.client logging in using static token
```

```
2022-12-10 04:08:43 INFO discord.gateway Shard ID None has connected to Gateway (Session ID: 432bb8b8e389d1172d498b3ecad93c10).
```

```
Logado com sucesso como [ ! ] Bot Minicurso#7623
```



Natas Today at 3:29 AM

!oi



[!] Bot Minicurso BOT Today at 3:29 AM

Oii @Natas!

Documentação



Natas Today at 3:23 AM

```
import discord

client = discord.Client(intents=discord.Intents.all())

@client.event
async def on_ready():
    print(f'Logado com sucesso como {client.user}')

@client.event
async def on_message(message):
    if message.author == client.user:
        return

    if message.content.lower().startswith('!oi'):
        await message.channel.send(f'Oi {message.author.mention}!')

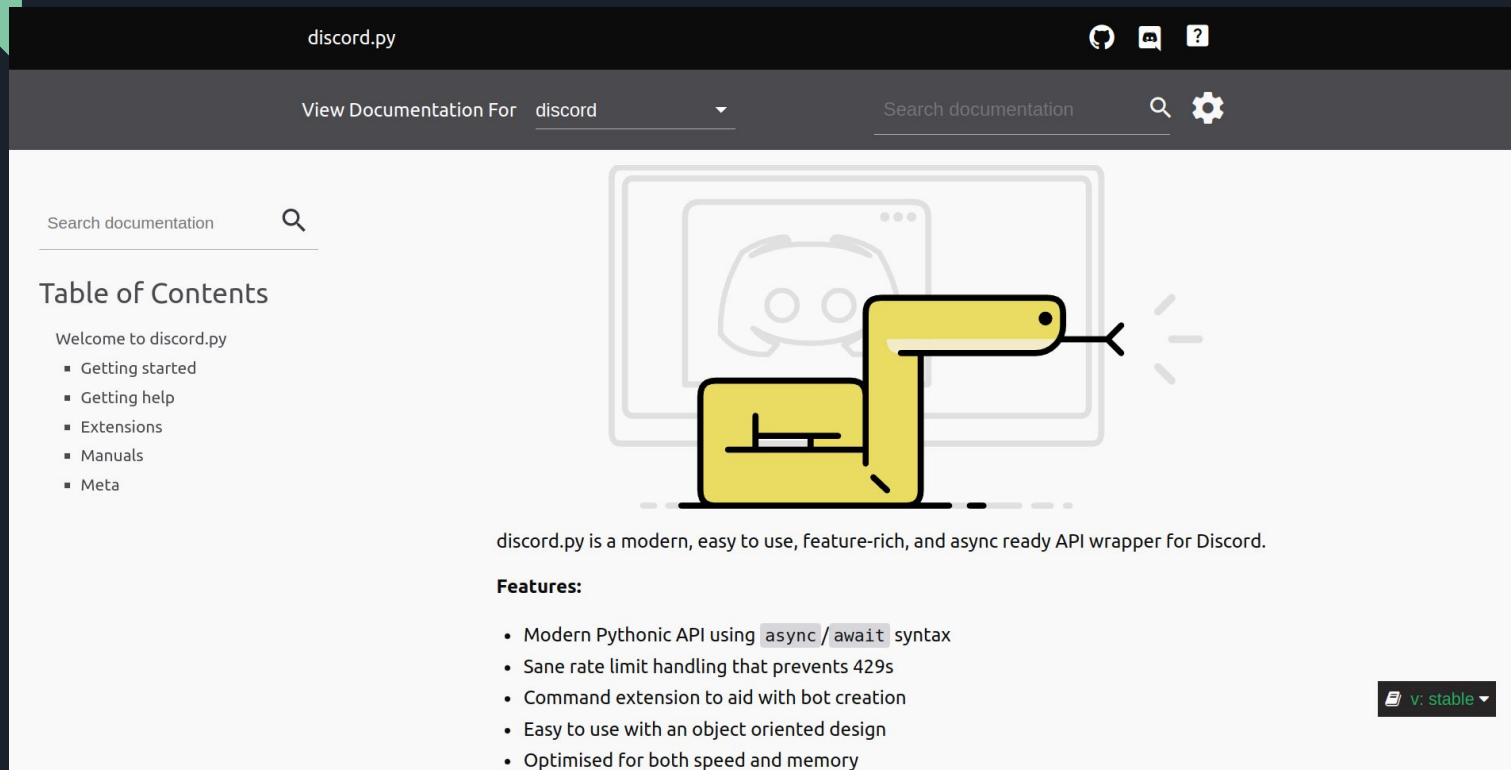
client.run('COLE SEU TOKEN AQUI DENTRO, NÃO REMOVA AS ASPAS SIMPLES')
```

Quais outros parâmetros essa função recebe?

O recebemos dentro de message?

Quais outros atributos existem dentro de author?

Documentação - A maior amiga do programador



The screenshot shows the discord.py documentation website. At the top, there's a navigation bar with 'discord.py' on the left and icons for GitHub, Discord, and a help/question mark on the right. Below this is a secondary bar with 'View Documentation For discord' and a search bar labeled 'Search documentation'. The main content area has a search bar on the left and a 'Table of Contents' section. The table of contents lists: Welcome to discord.py, Getting started, Getting help, Extensions, Manuals, and Meta. In the center, there's a large illustration of a yellow Python snake with a Discord logo on its head, standing on a yellow rectangular base. Below the illustration, a paragraph describes discord.py as a modern, easy-to-use, feature-rich, and async-ready API wrapper for Discord. A 'Features:' section follows, listing five bullet points. In the bottom right corner, there's a version selector showing 'v: stable'.

discord.py

View Documentation For discord

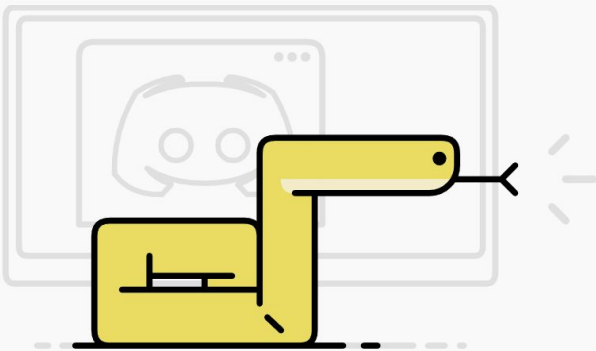
Search documentation

Search documentation

Table of Contents

Welcome to discord.py

- Getting started
- Getting help
- Extensions
- Manuals
- Meta



discord.py is a modern, easy to use, feature-rich, and async ready API wrapper for Discord.

Features:

- Modern Pythonic API using `async/await` syntax
- Sane rate limit handling that prevents 429s
- Command extension to aid with bot creation
- Easy to use with an object oriented design
- Optimised for both speed and memory

v: stable

<https://discordpy.readthedocs.io/en/stable/index.html> ou pesquise discord.py documentation