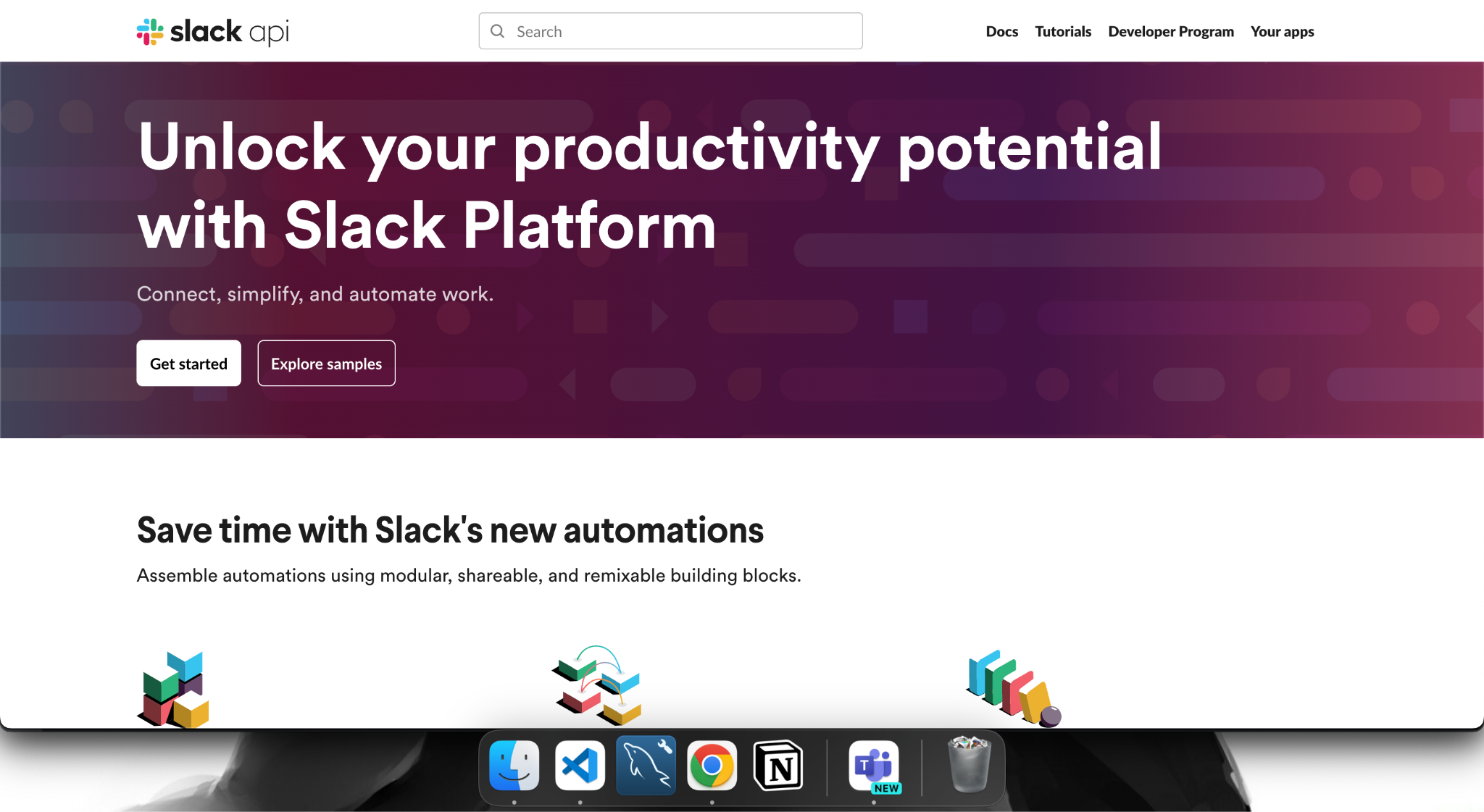
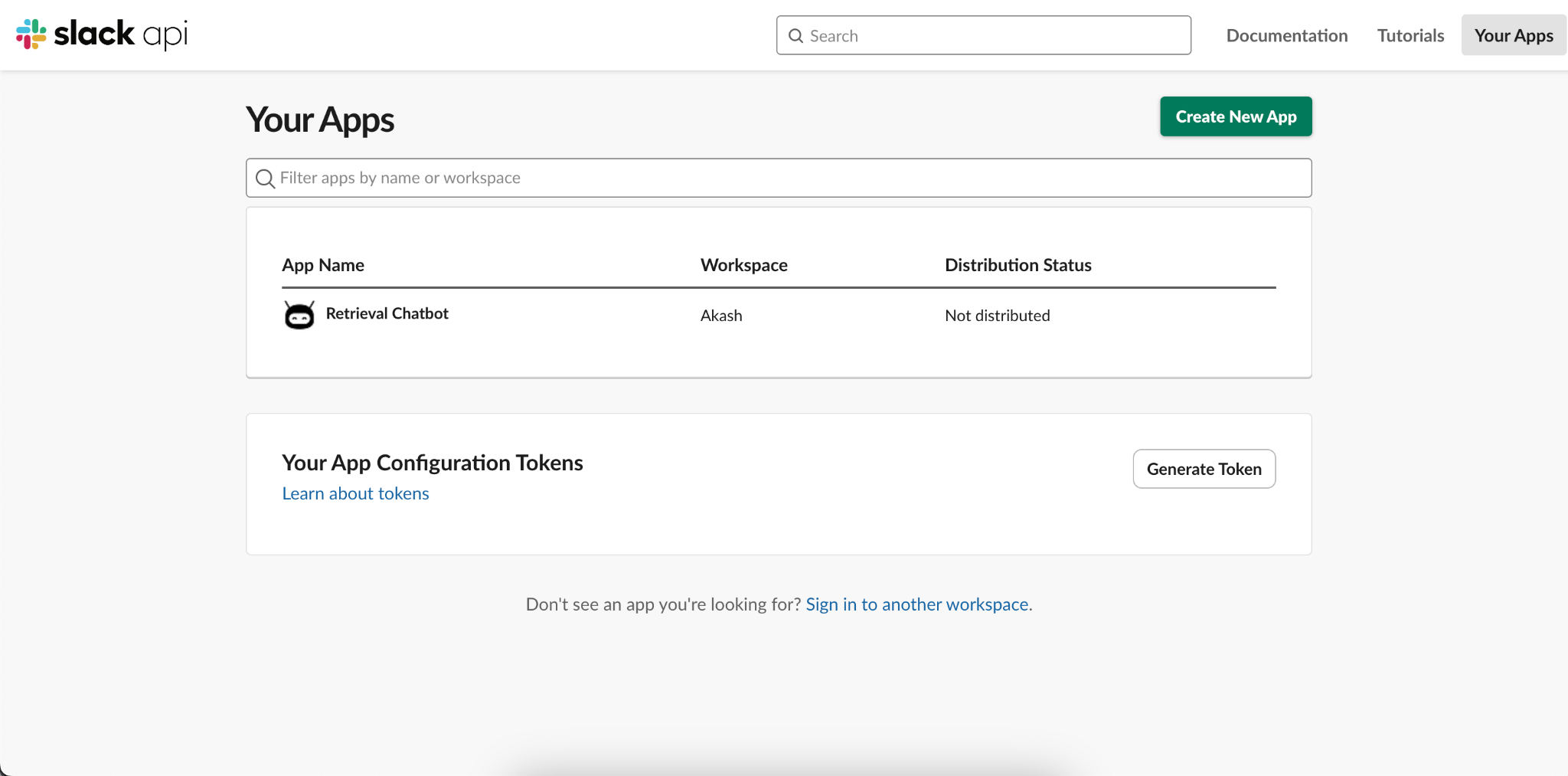
Go To Slack Api Website

<https://api.slack.com/>

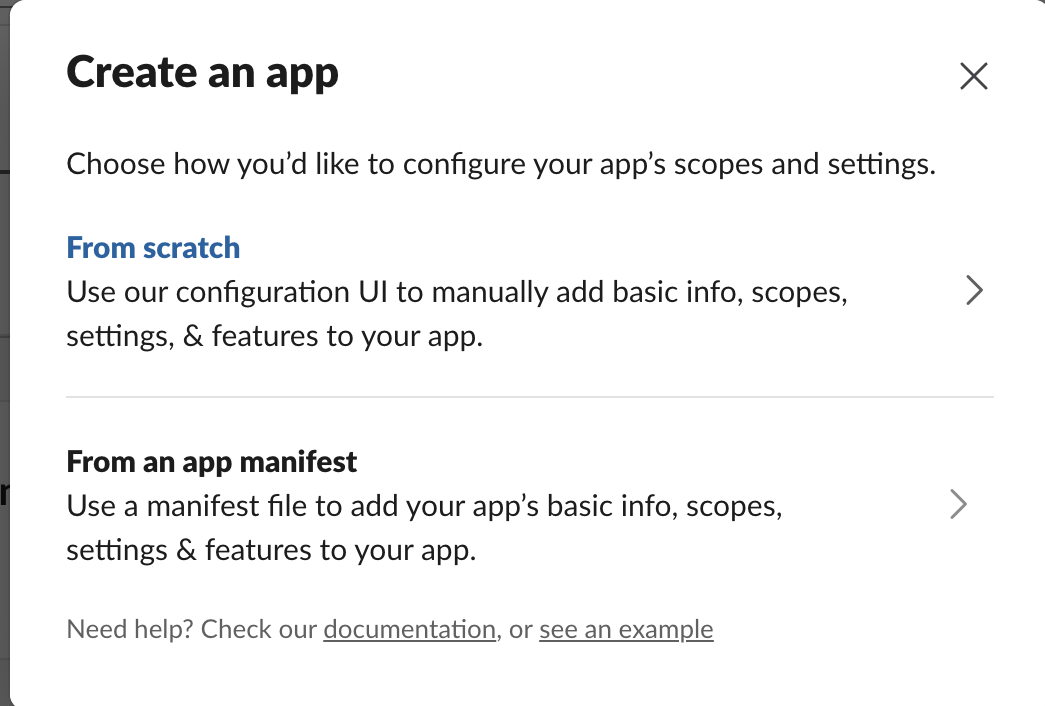
Sign Up or Log in to website



Click On Your Apps

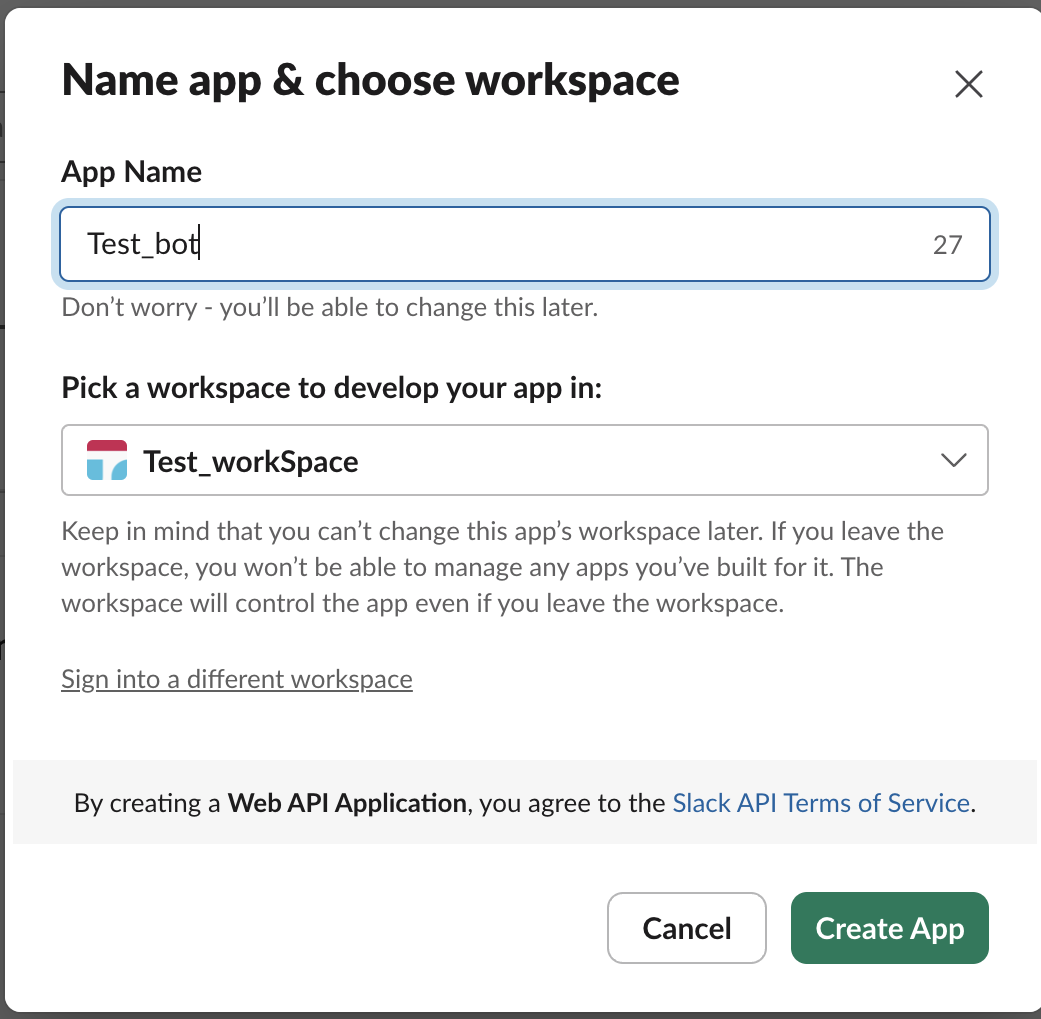


Click On Create New App

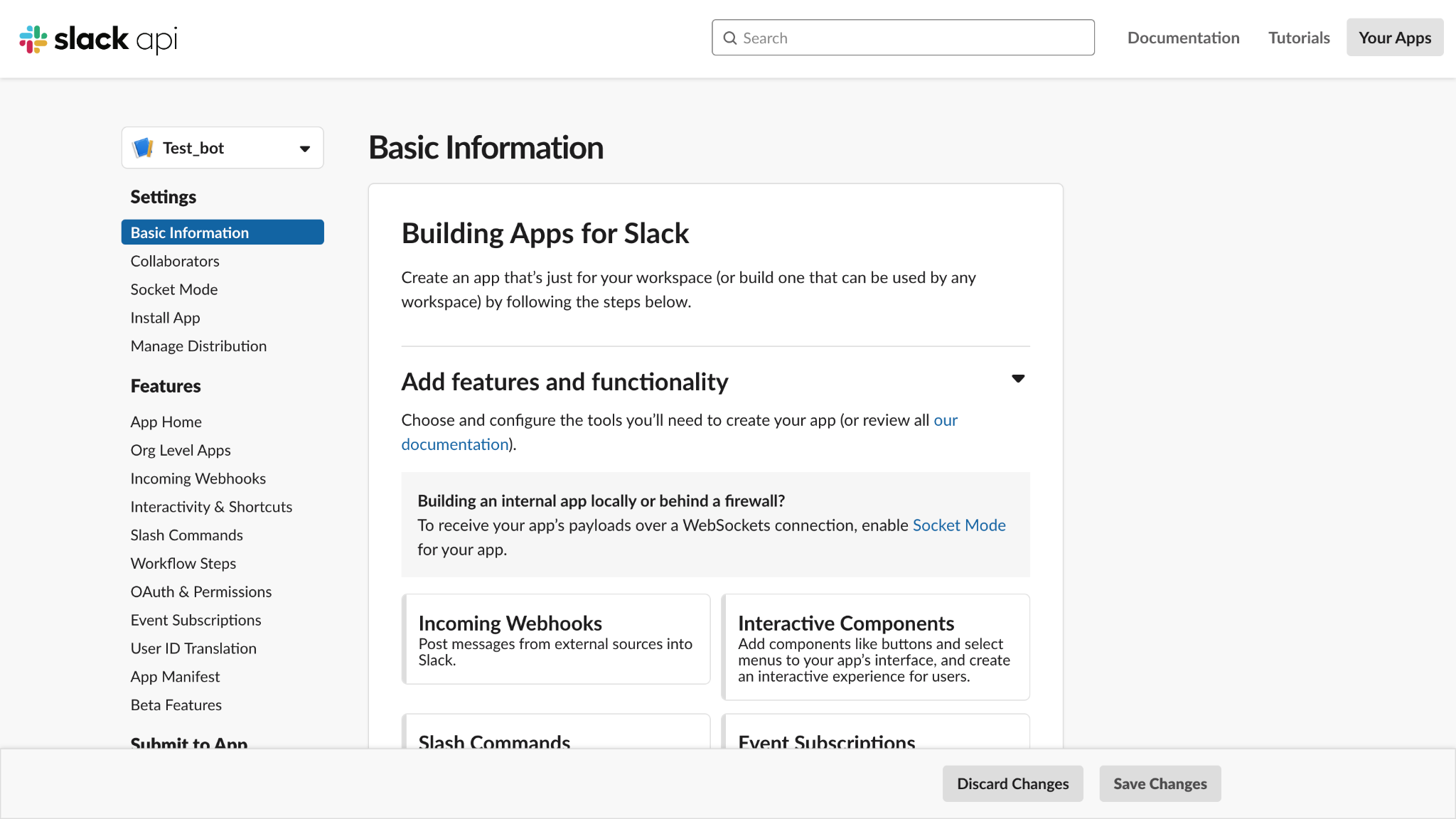


Select from Scratch

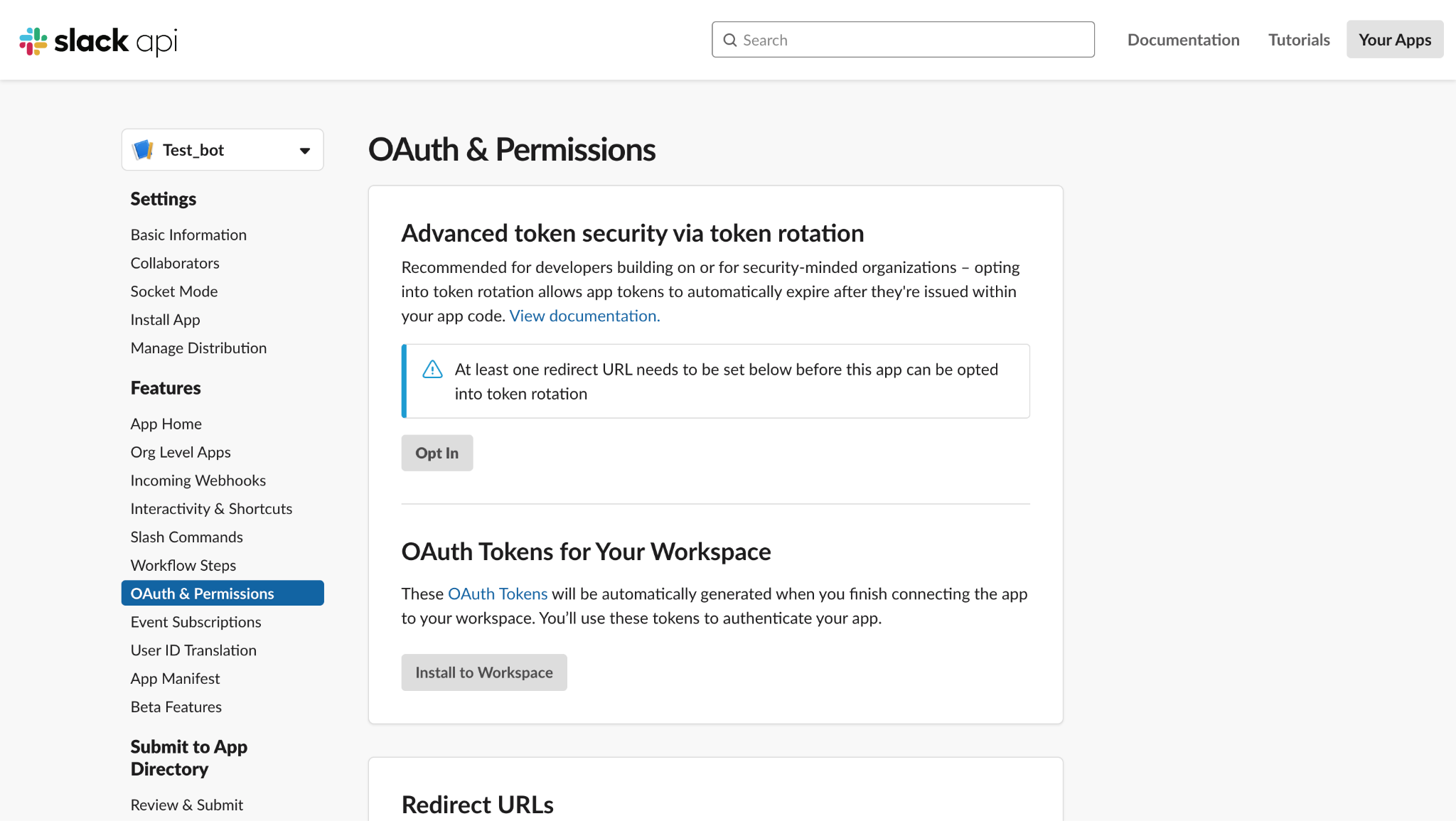
Add Bot\_name and select the Workspace and click on create App



You got an interface like below where you can change all the settings of bot.

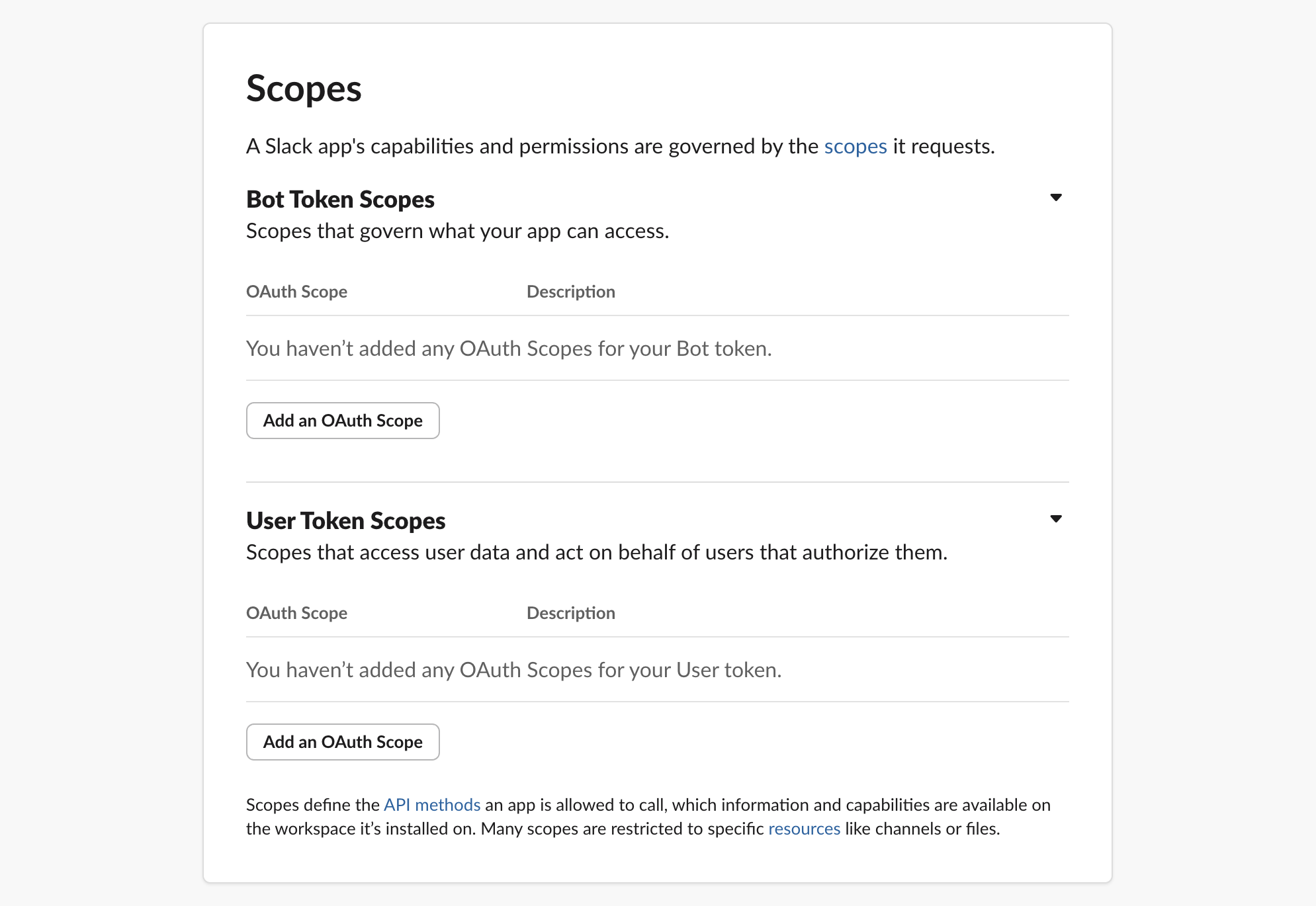


Click on OAuth & Permission



OAuth & Permission >> Scopes >> Bot Token Scope >> Add An OAuth Scope

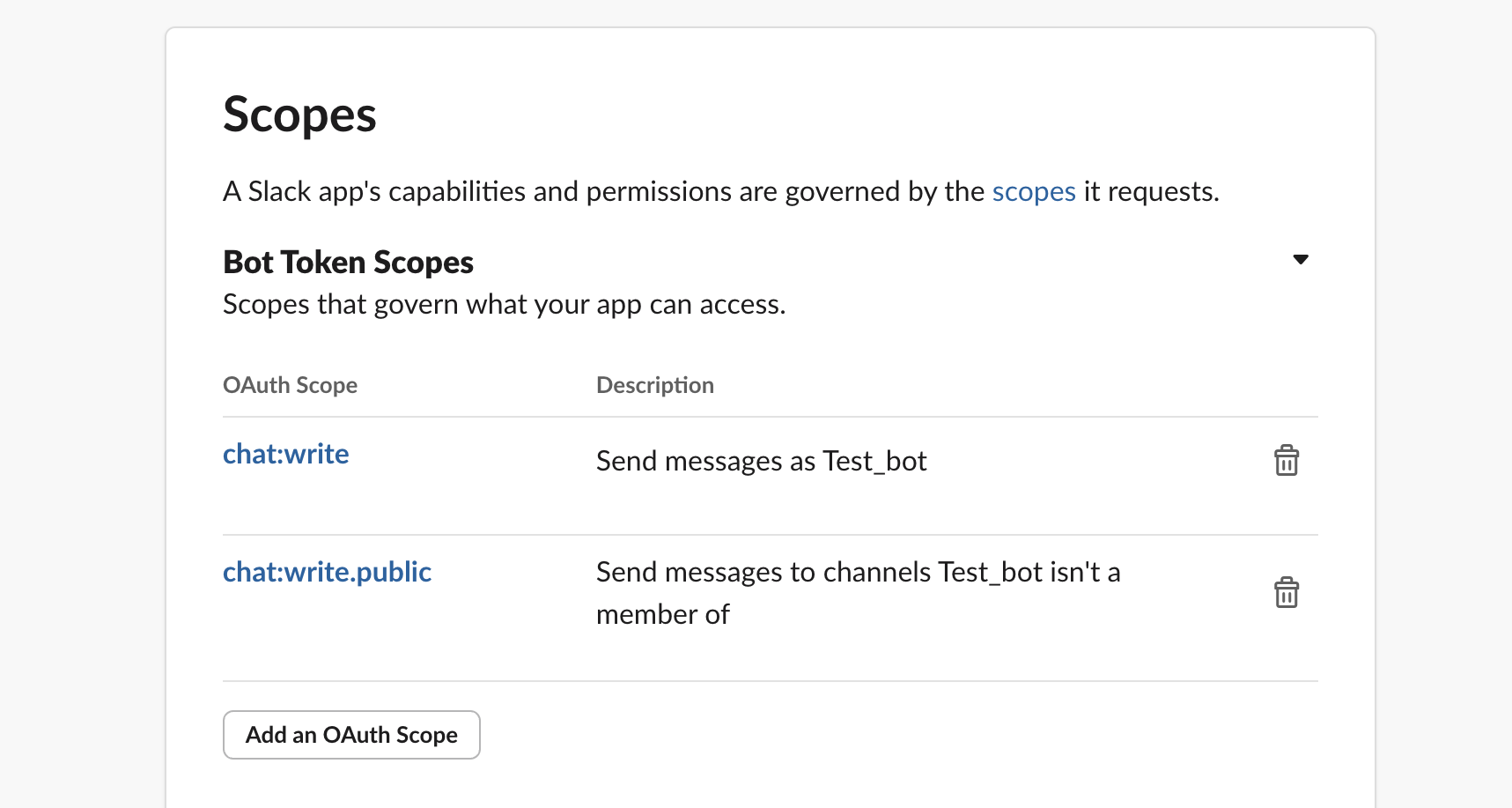
Scroll down and Goto Scopes Section



Add Scopes

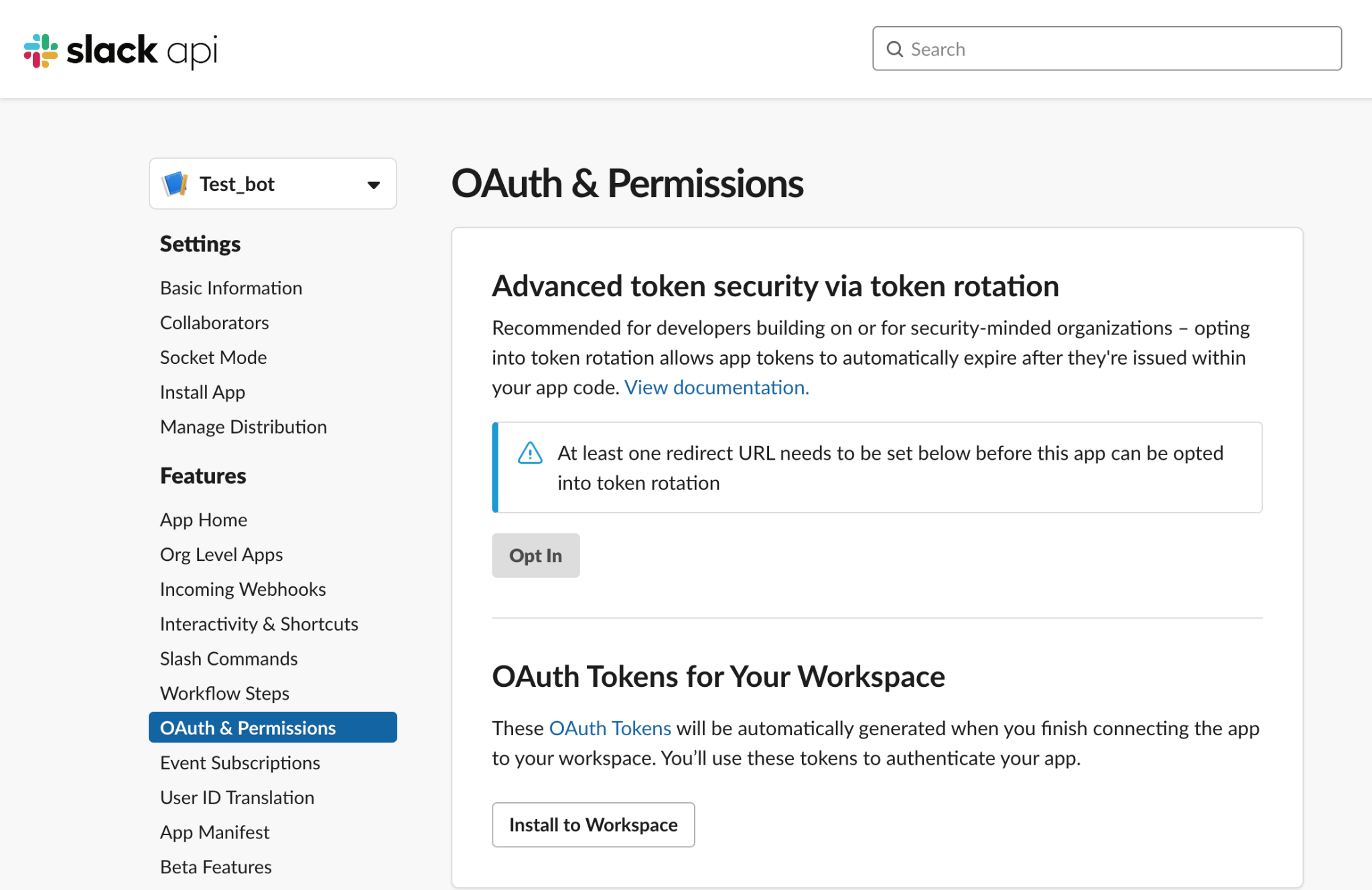
Chat.write

chat:Write.public



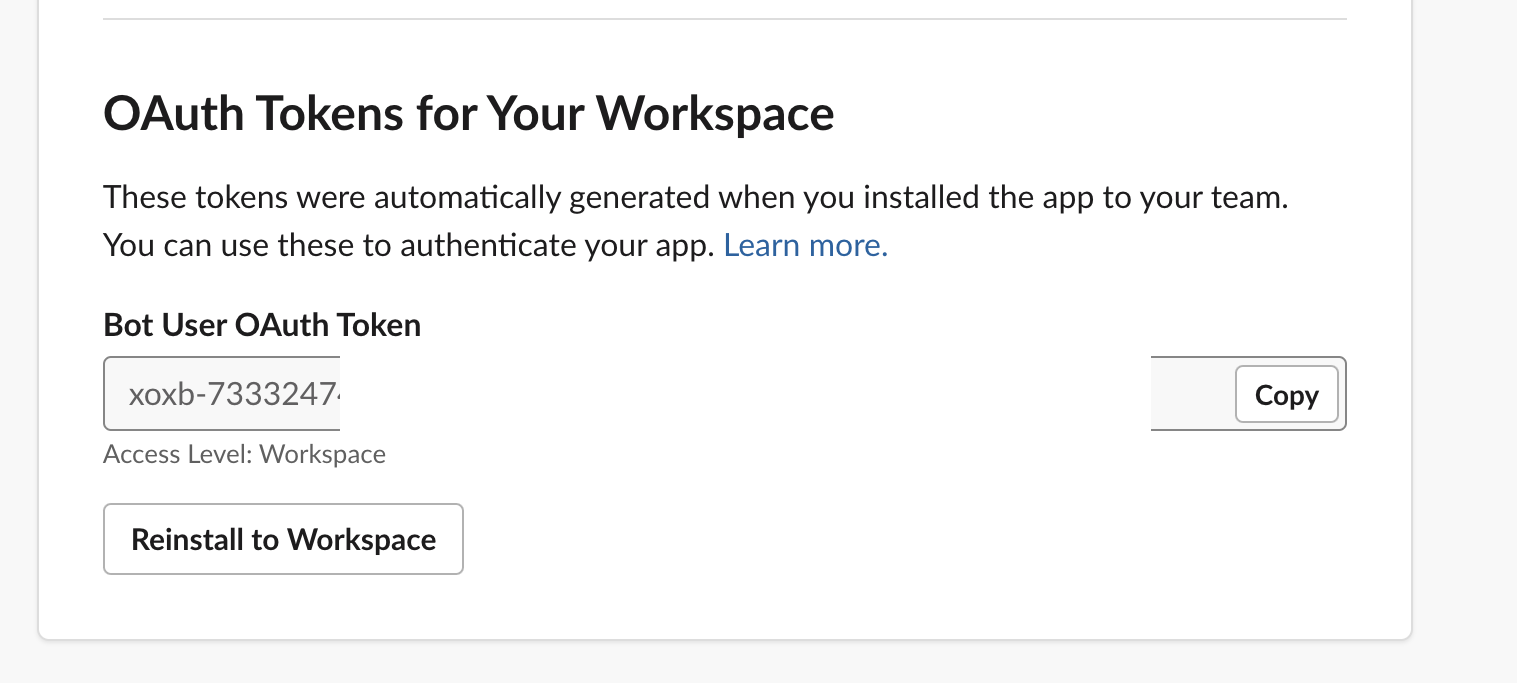
OAuth & Permissions >> OAuth Tokens for Your Workspace >> Install to Workspace

Click on Install to workspace >> Allow

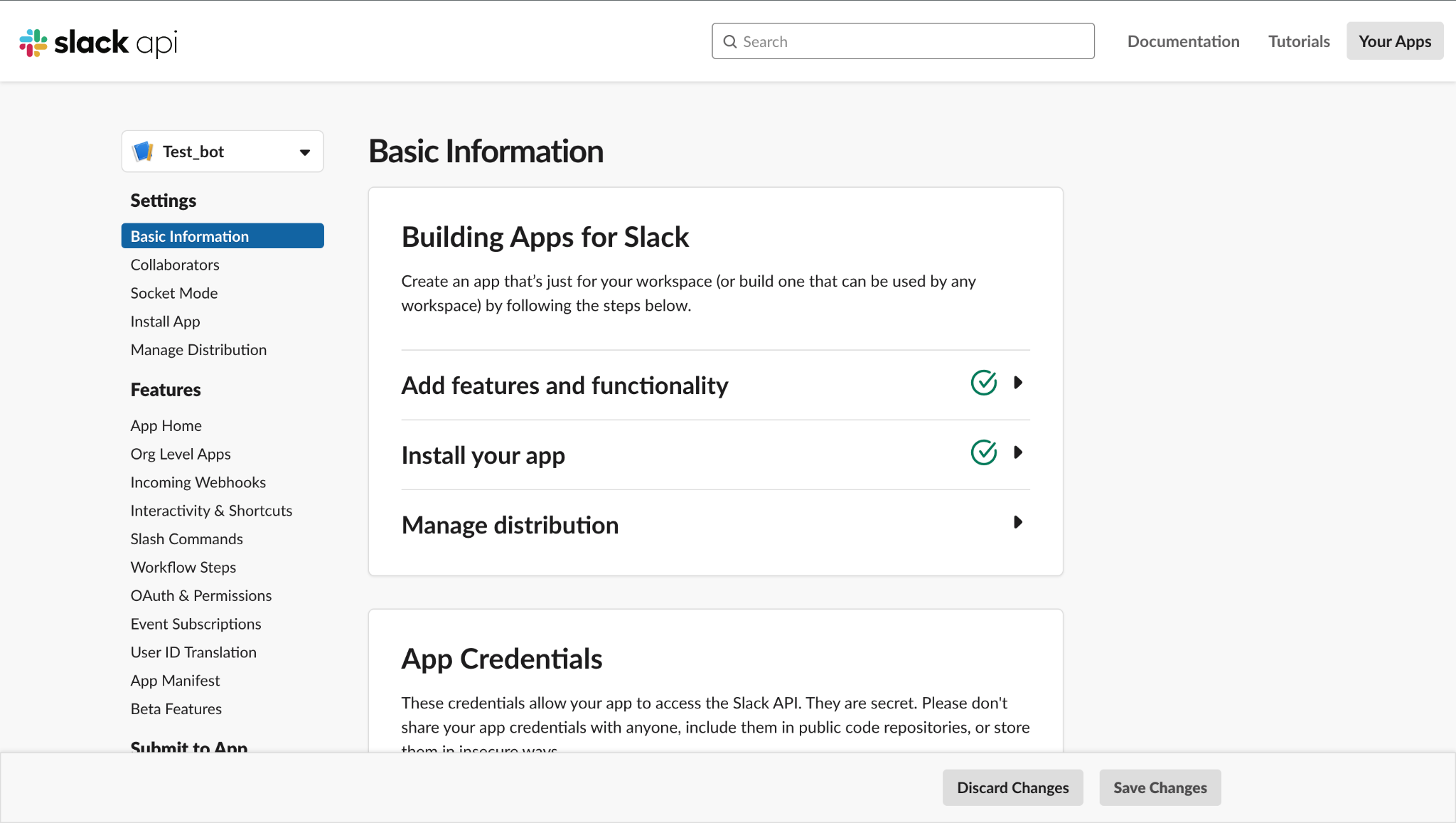


After that you got Bot User OAuth Token :

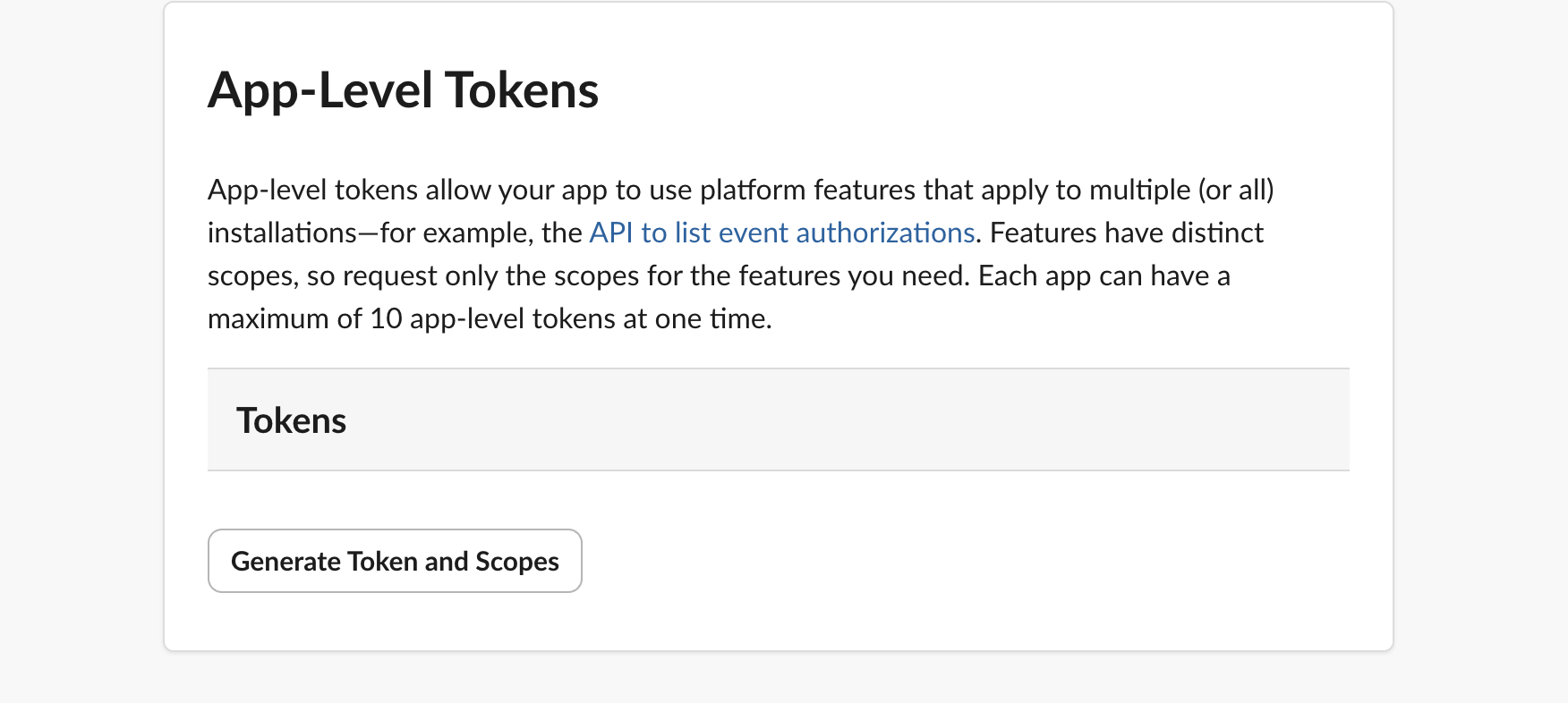
Copy That and save it somewhere we need it in the Code



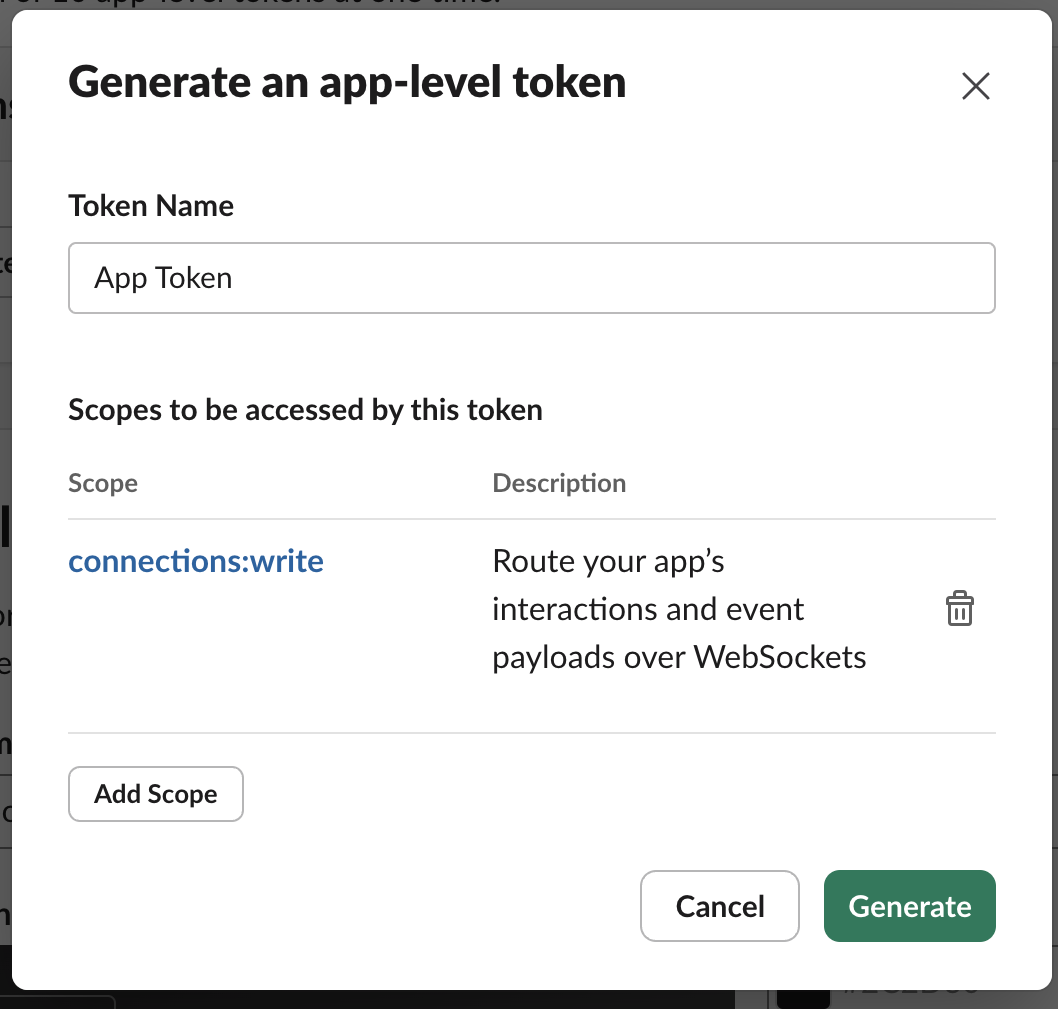
GoTo Basic Information



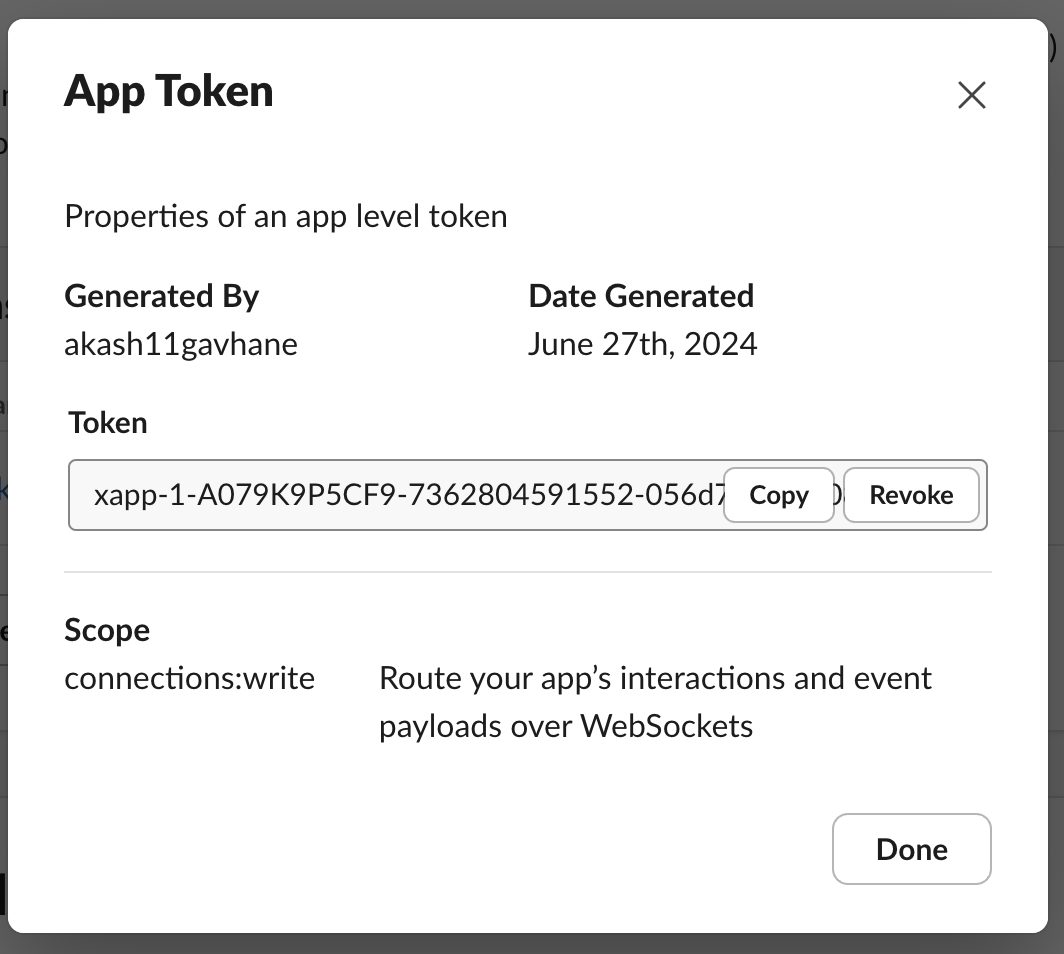
Basic Information >> App-Level Tokens >> Generate Token And Scopes



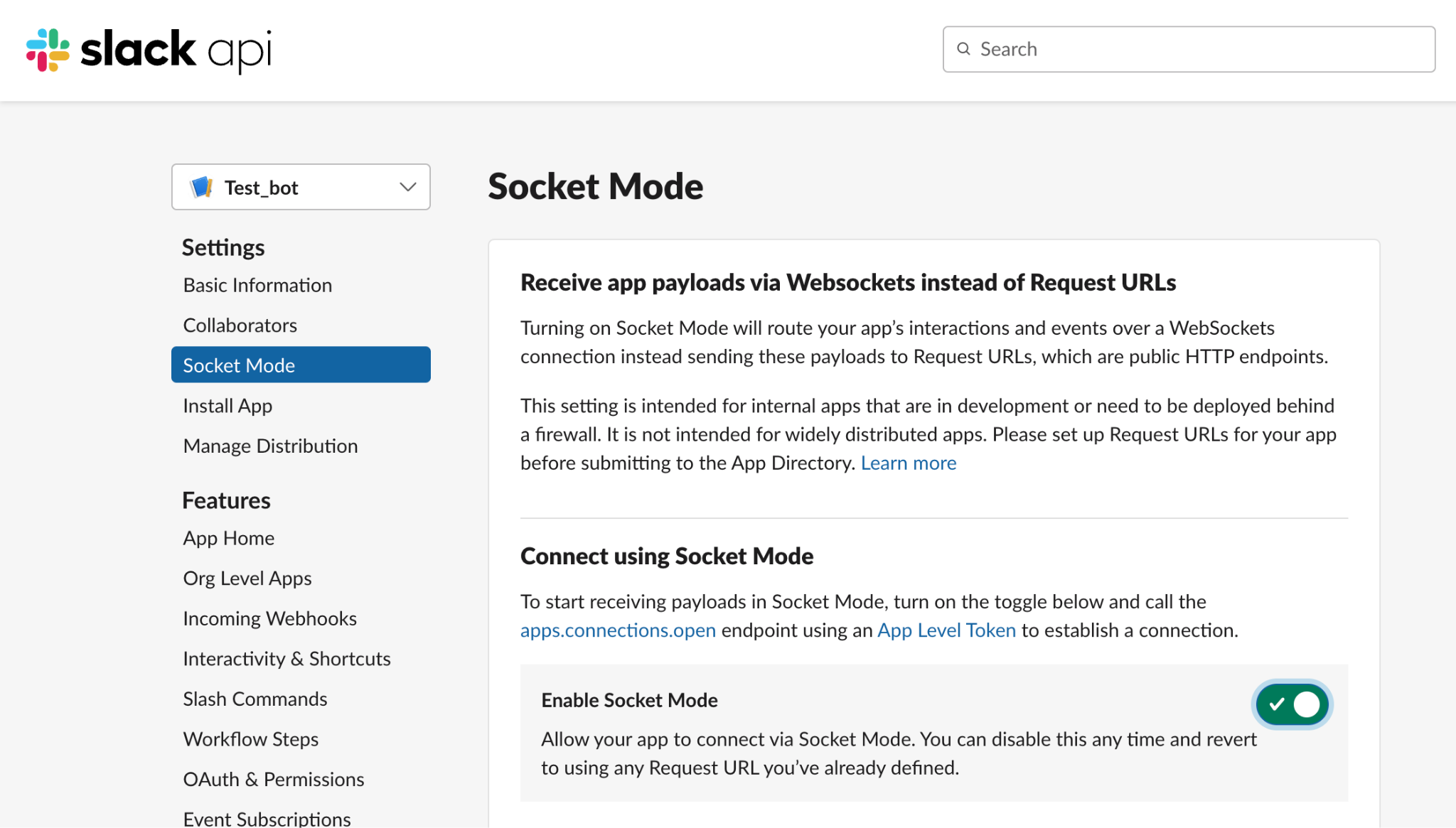
Add Token Name and Add Connection.write Scope as it added into the Scope Then Click on Generate



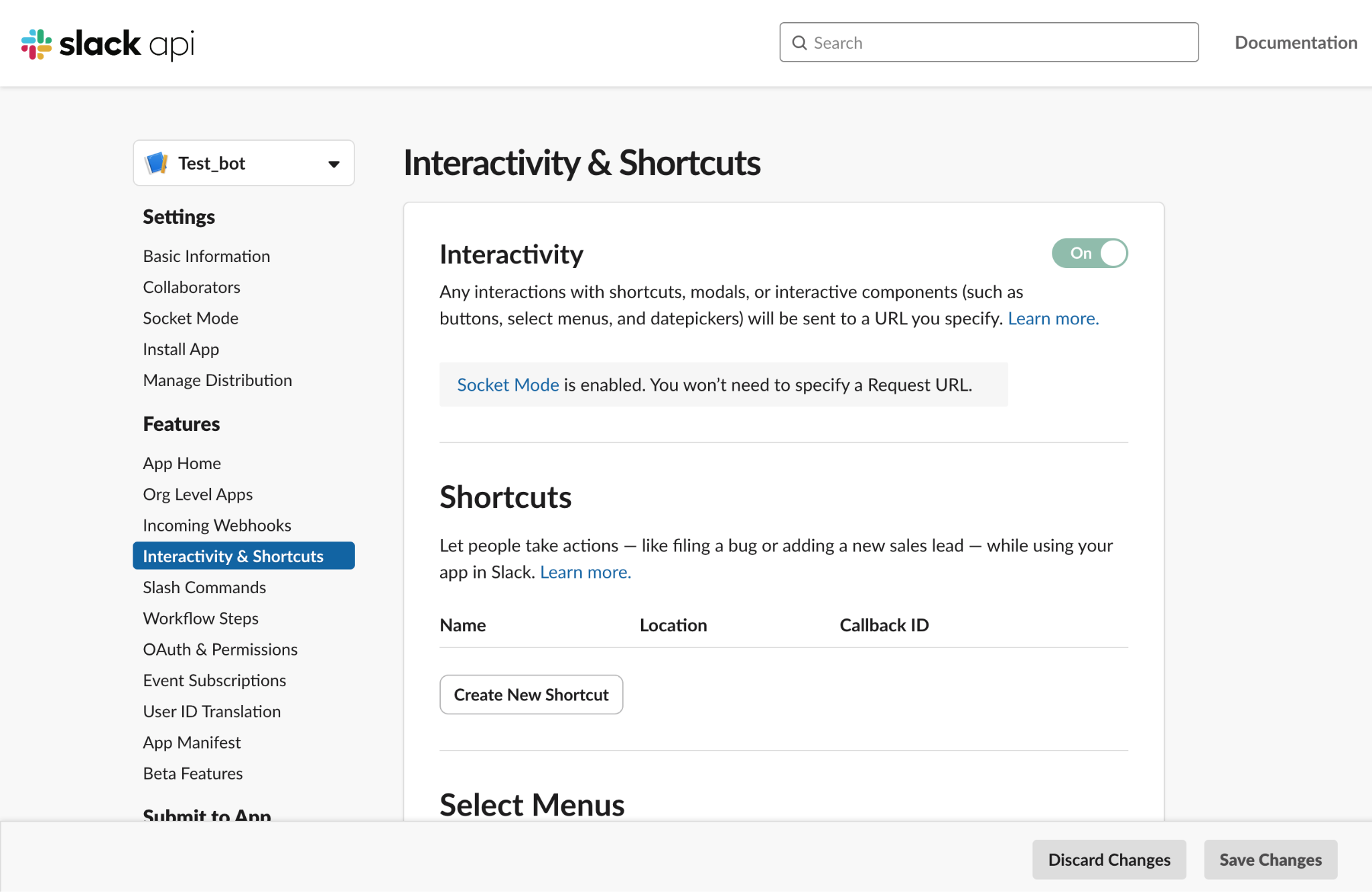
Another Token Is Generated copy It and save this App Token



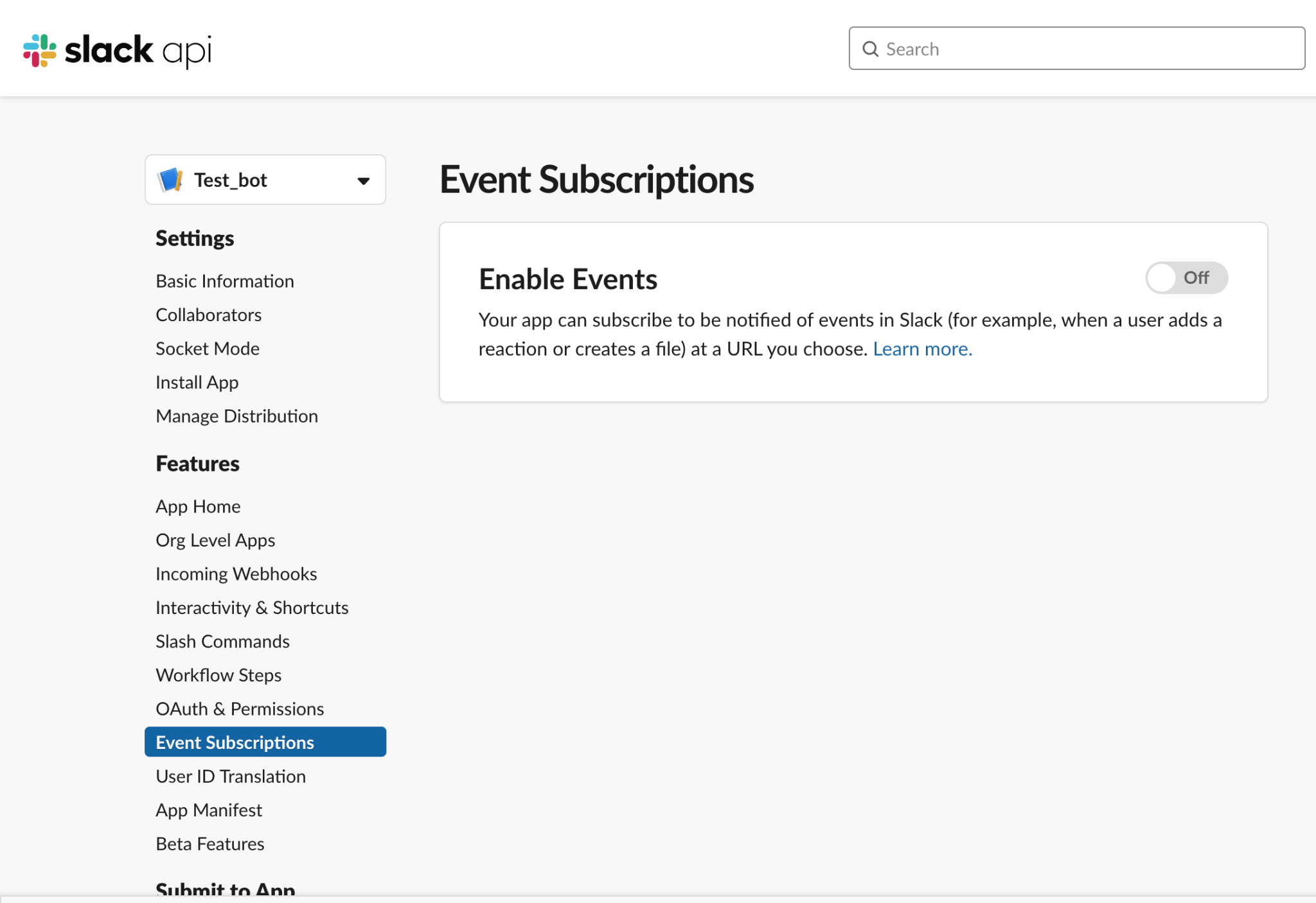
Go to Socket Mode >> Enable Socket Mode



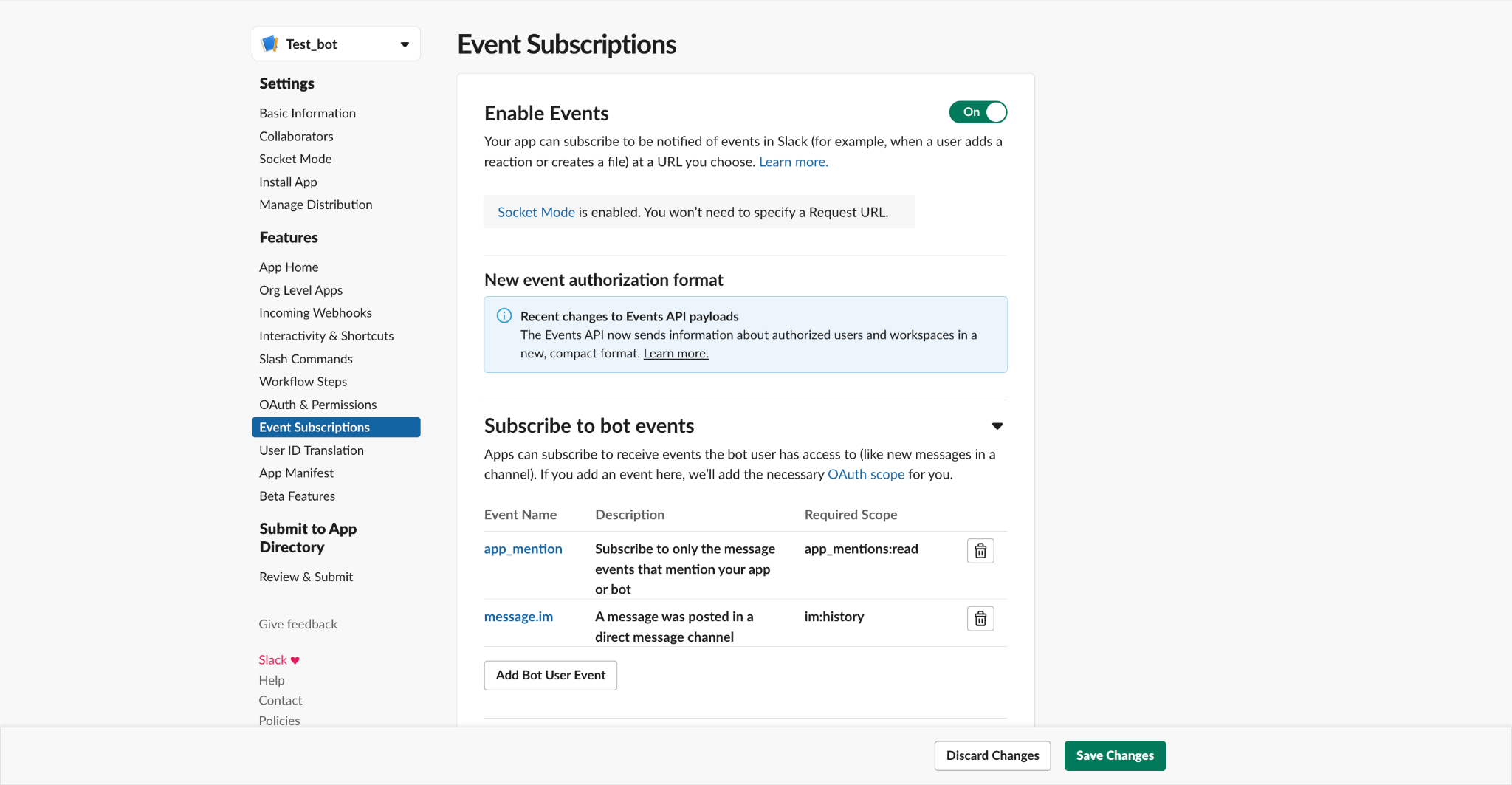
Goto Interactivity and Shortcuts >> Enable interactivity if it is Disabled



Then Goto Event Subscription >> Enable Event Subscription



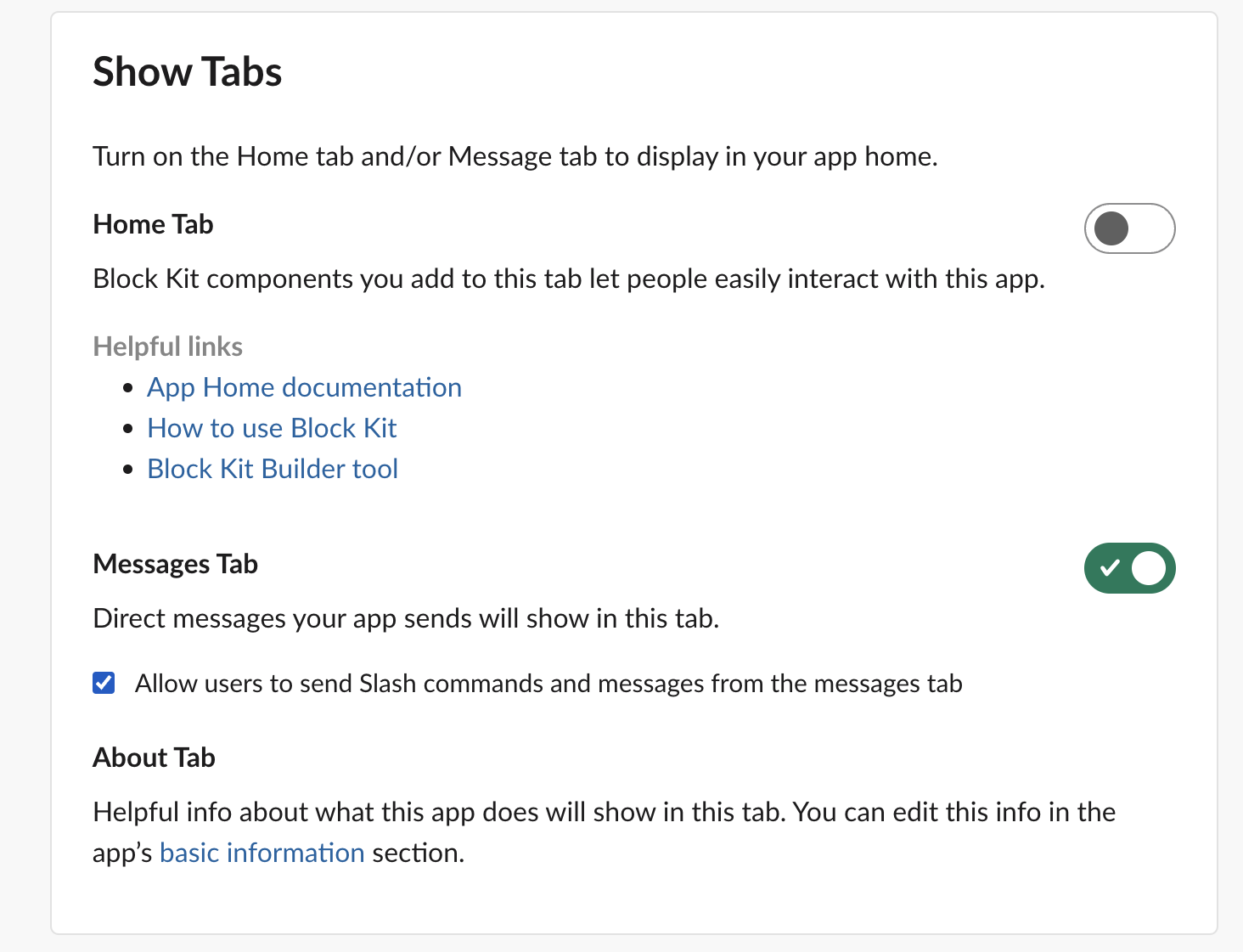
Event Subscription >> Enable Event Subscription >> Subscribe to bot Events >> Add bot User Event >> Add below Events >> Click on Save Changes



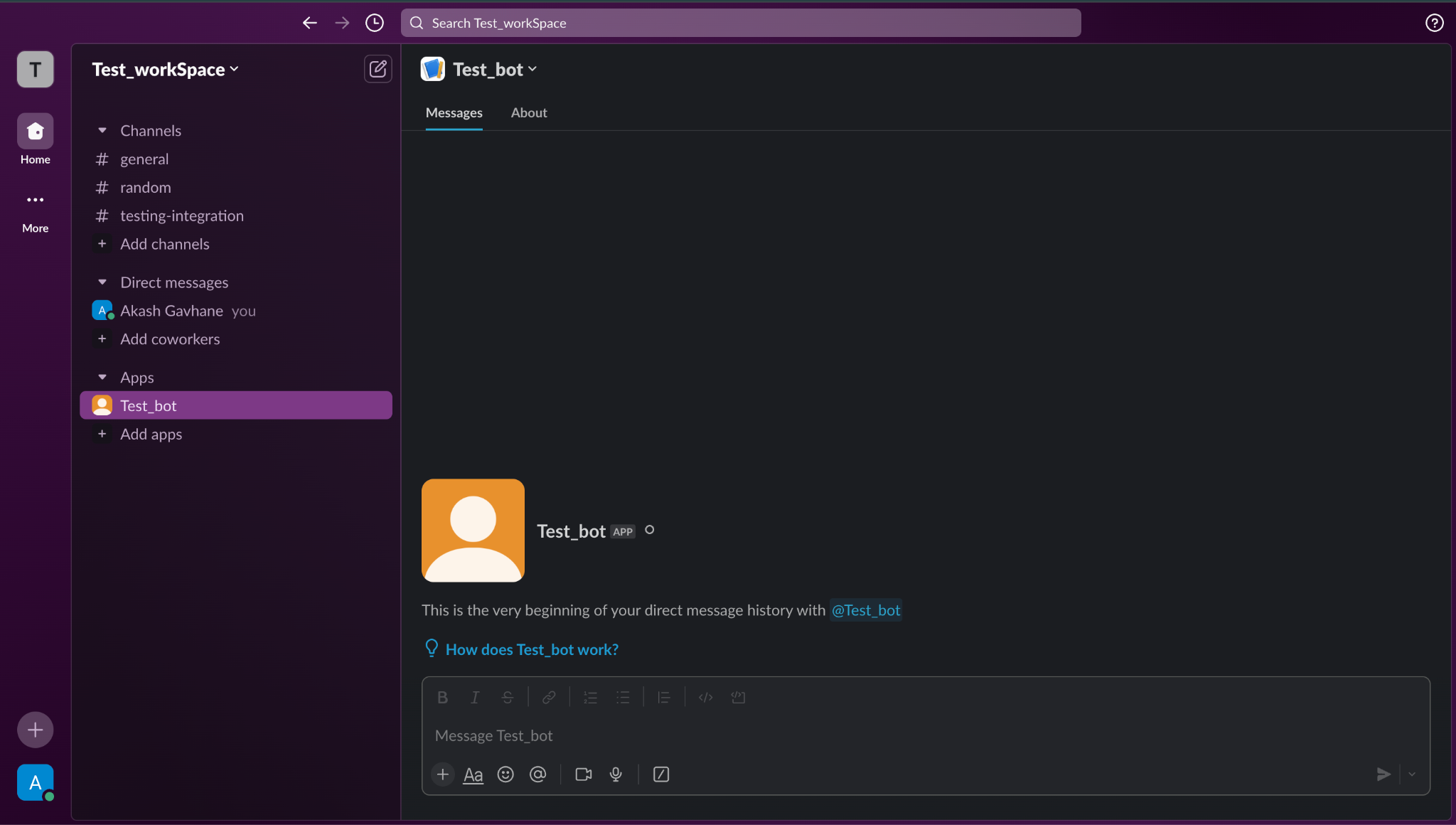
Click to reinstall your App >> allow



App Home >> Show Tabs >> click on allow users to send slash commands as below



Now in Workspace we can able to see the Test\_bot Interface (chat option)



Code Part :

Install Libraries :

pip install slack\_bolt

pip install langchain

Code :

app.py # main slack app

import os

from slack\_bolt import App

from slack\_bolt.adapter.socket\_mode import SocketModeHandler

from dotenv import load\_dotenv

import requests

# Load environment variables from .env file

load\_dotenv('.env')

# Initializes your app with your bot token and socket mode handler

app = App(token=os.environ.get("BOT\_USER\_AUTH\_TOKEN"))

# in base url change url and endpoint with bot url

base\_url = "http://127.0.0.1:8000"

# change payload as per the bot input

def call\_search\_api(query: str):

payload = {"input": query}

response = requests.post(f"{base\_url}/query", json=payload)

if response.status\_code == 200:

return response.json().get("output")

else:

return f"Failed to call search API: {response.status\_code}, {response.text}"

#Message handler for Slack

@app.message(".\*")

def message\_handler(message, say, logger):

print(message)

output = call\_search\_api(message['text'])

say(output)

print(output)

# Start your app

if \_\_name\_\_ == "\_\_main\_\_":

SocketModeHandler(app, os.environ["APP\_TOKEN"]).start()

.env file -> put all keys in .env file

