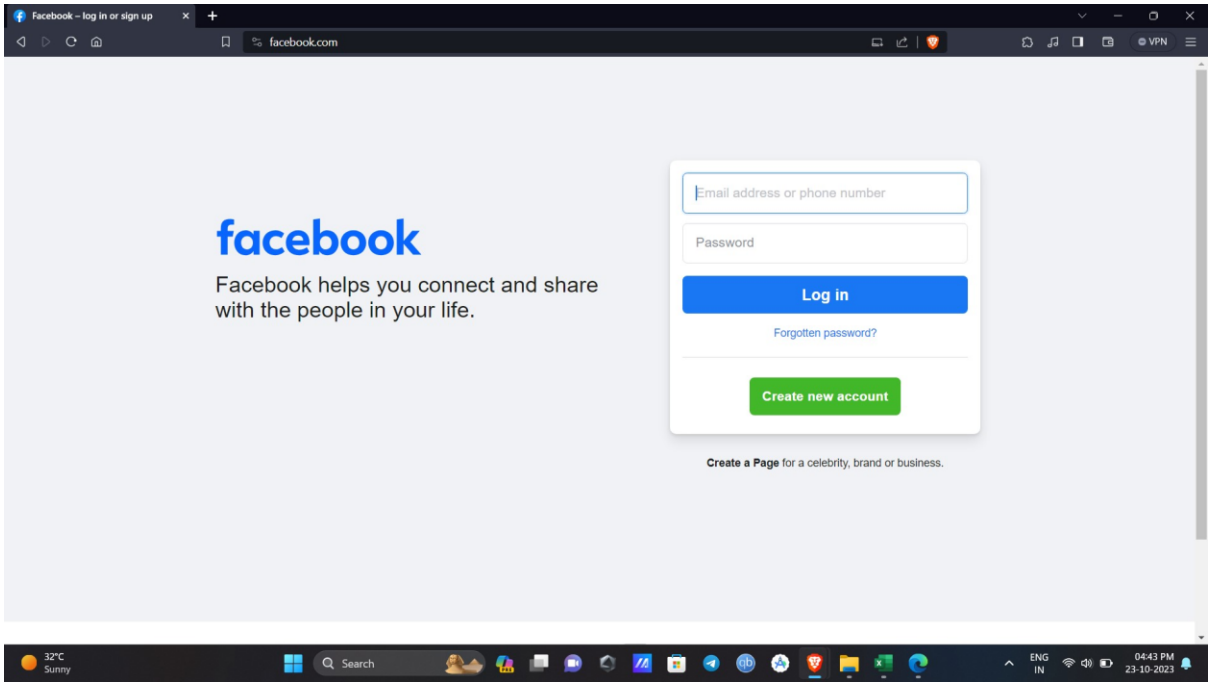
CHATBOT DEPLOYMENT WITH IBM WATSON ASSISTANT

PHASE4: DEVELOPMENT PART 2

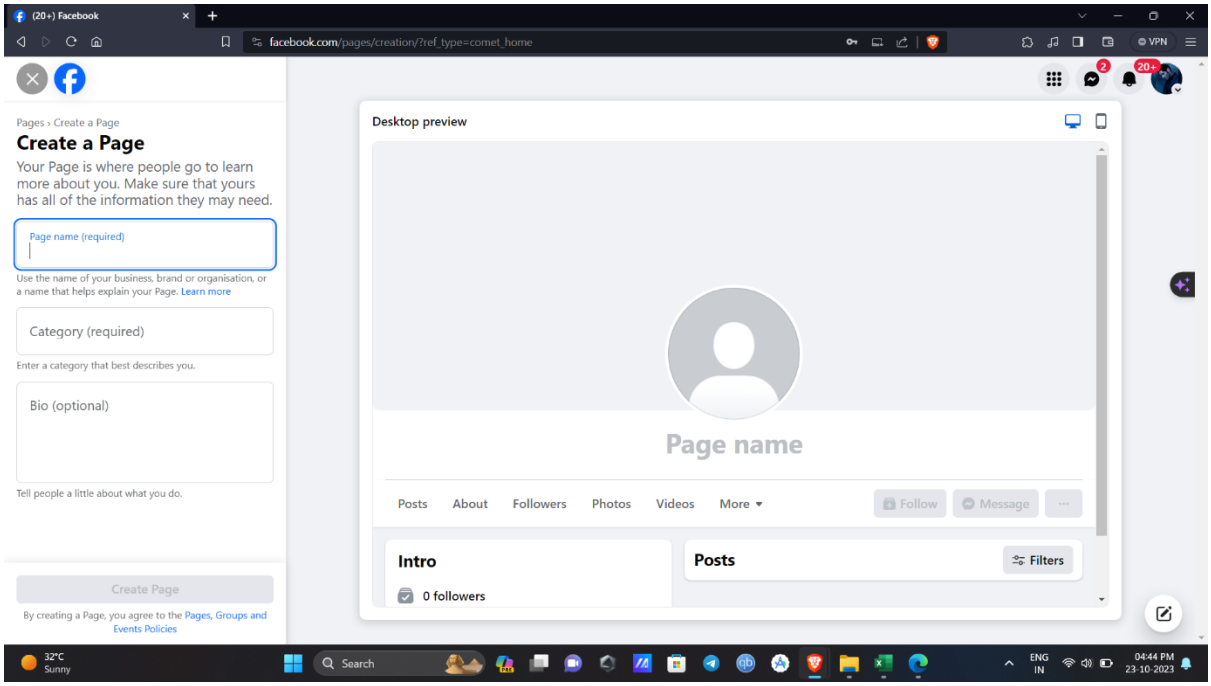
In this phase, we will continue building our project using IBM Cloud Foundry. After finishing the project, we will integrate our chatbot with facebook messenger and slack. Ensuring that the conversation flows naturally and that the chatbot's responses are informative and accurate.

Here's an overview of the steps involved in integrating a chatbot using IBM Watson Assistant into facebook messenger:

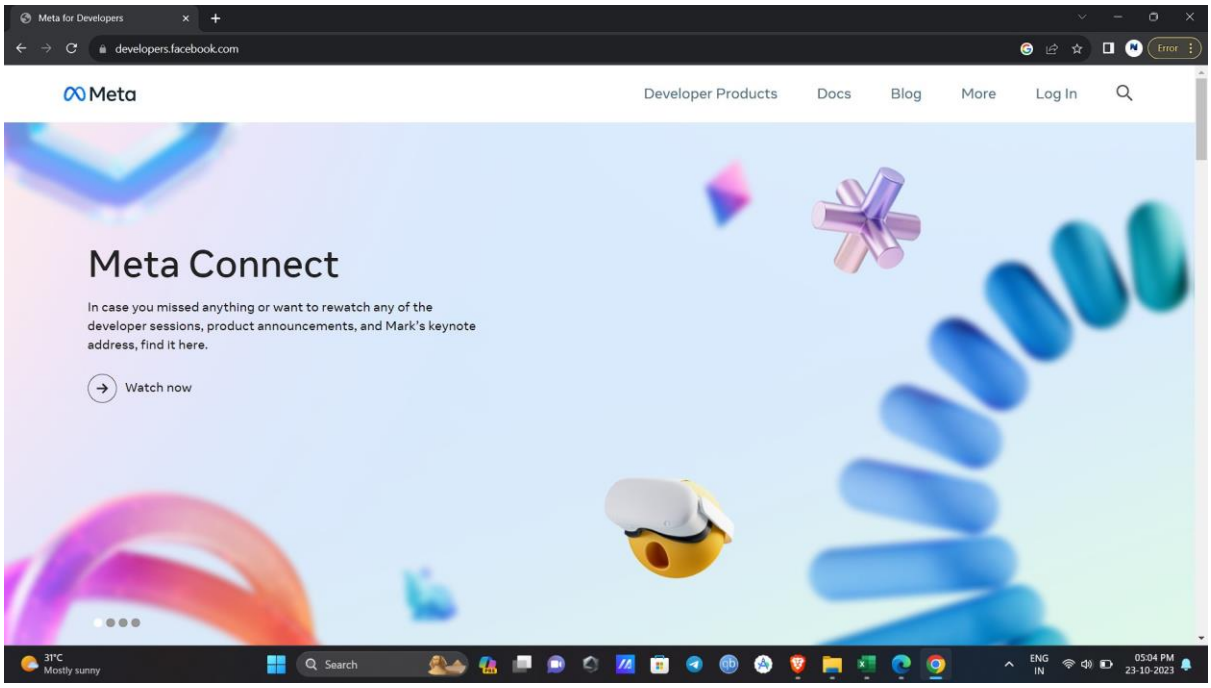
1. Begin by signing up for a Facebook account if you don't have one already.

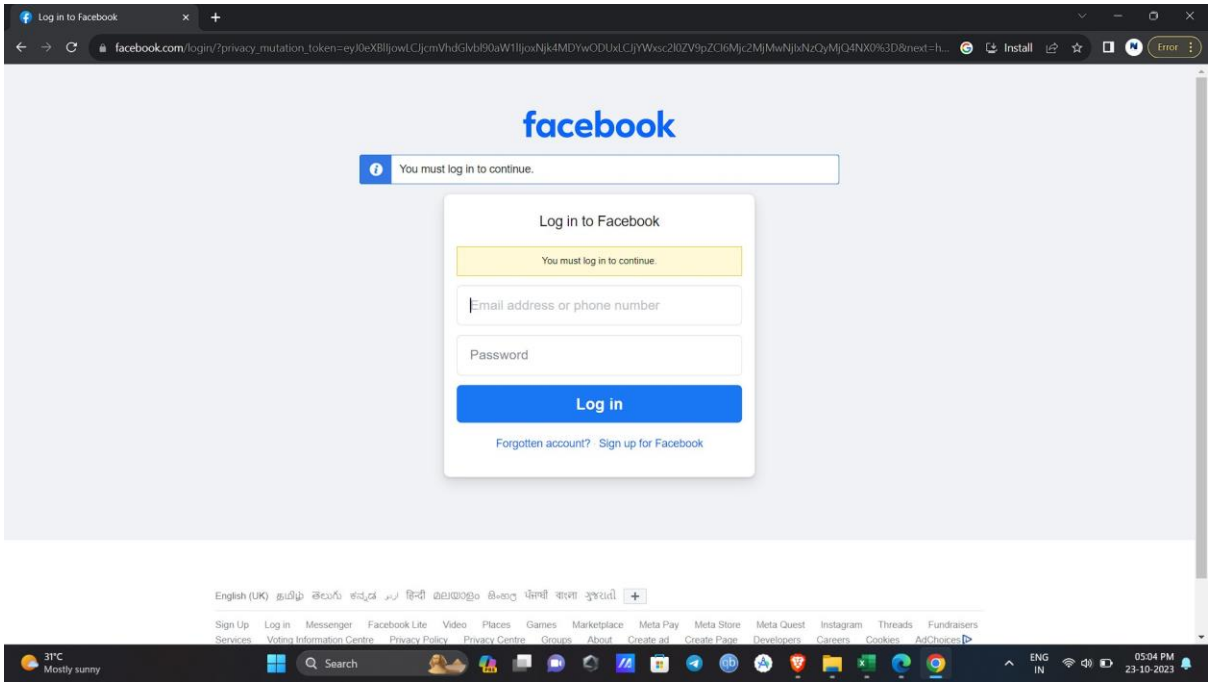


2. After that, create a Facebook page that corresponds to your chatbot.

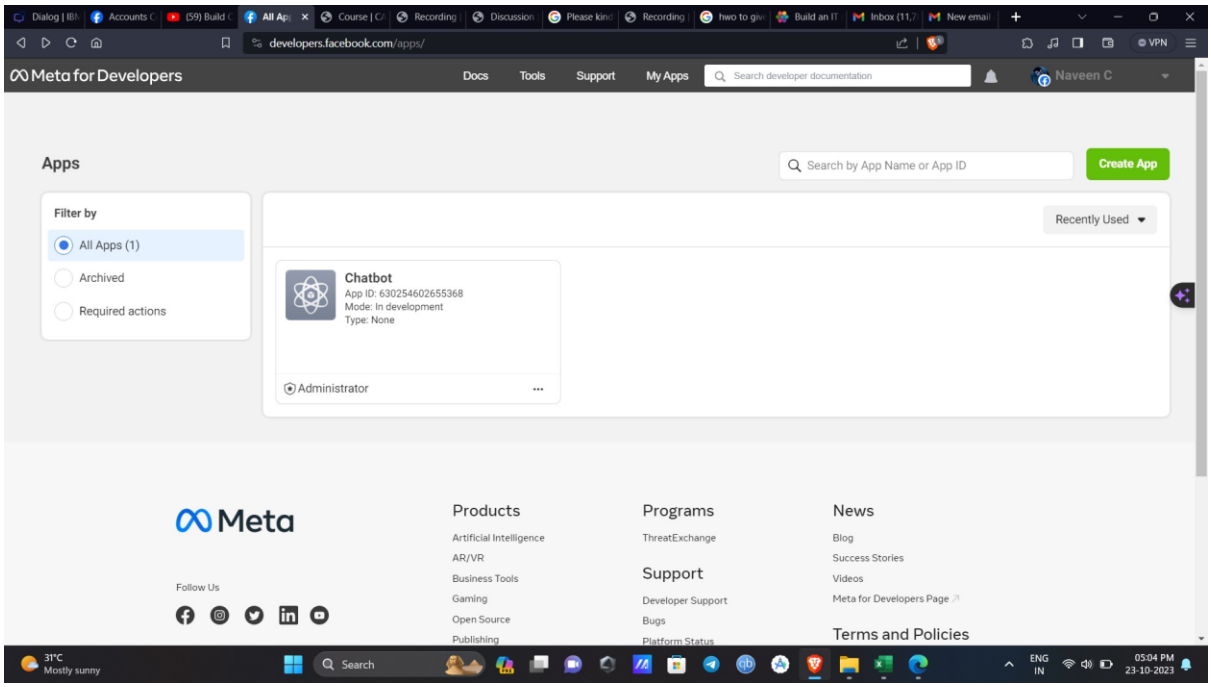


3. Next, create a Facebook developer account or log in to an existing one.

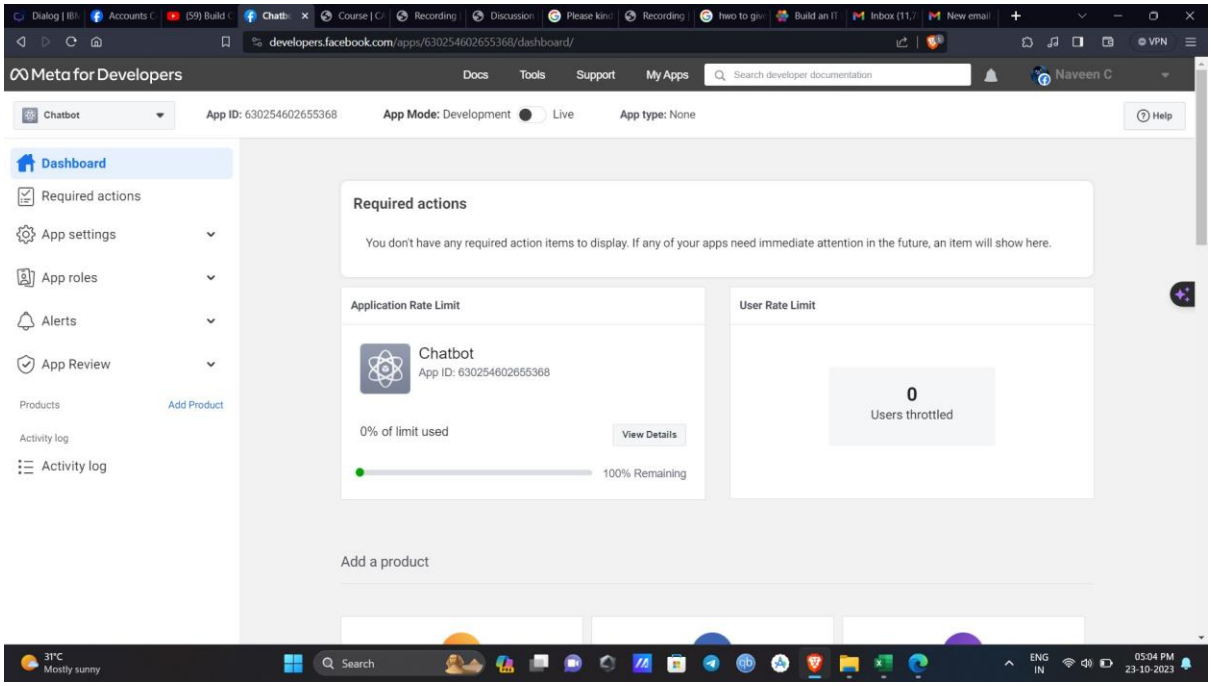


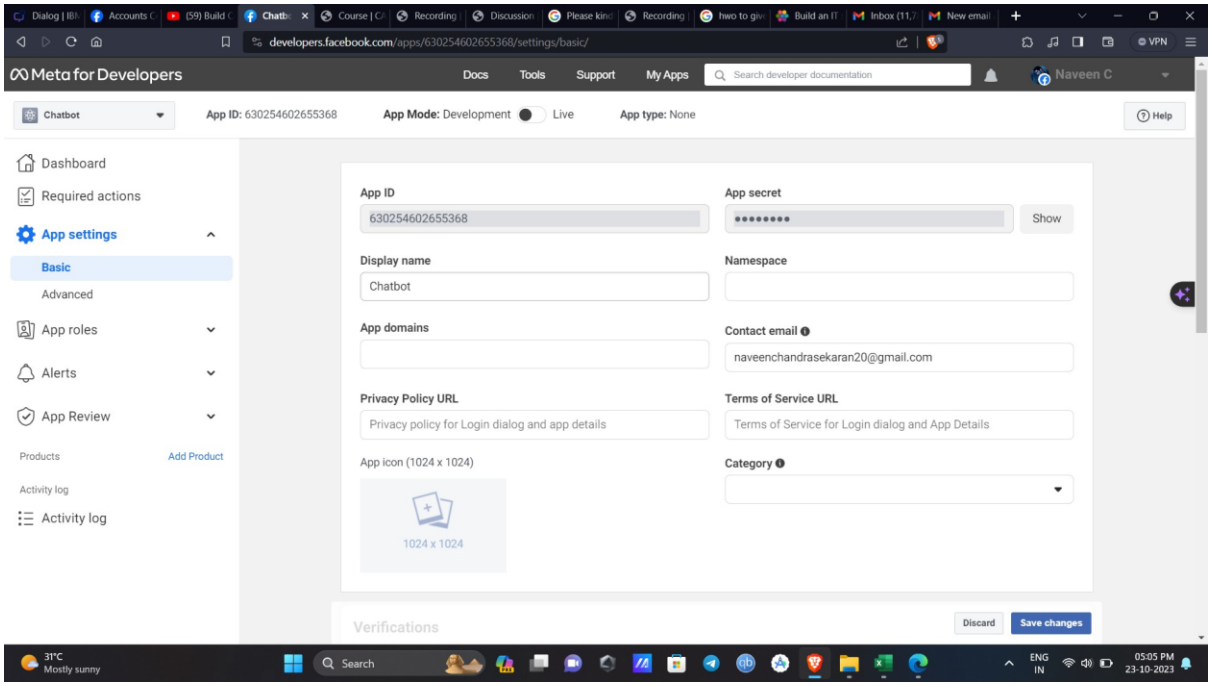


Create a Facebook app specifically for your chatbot.

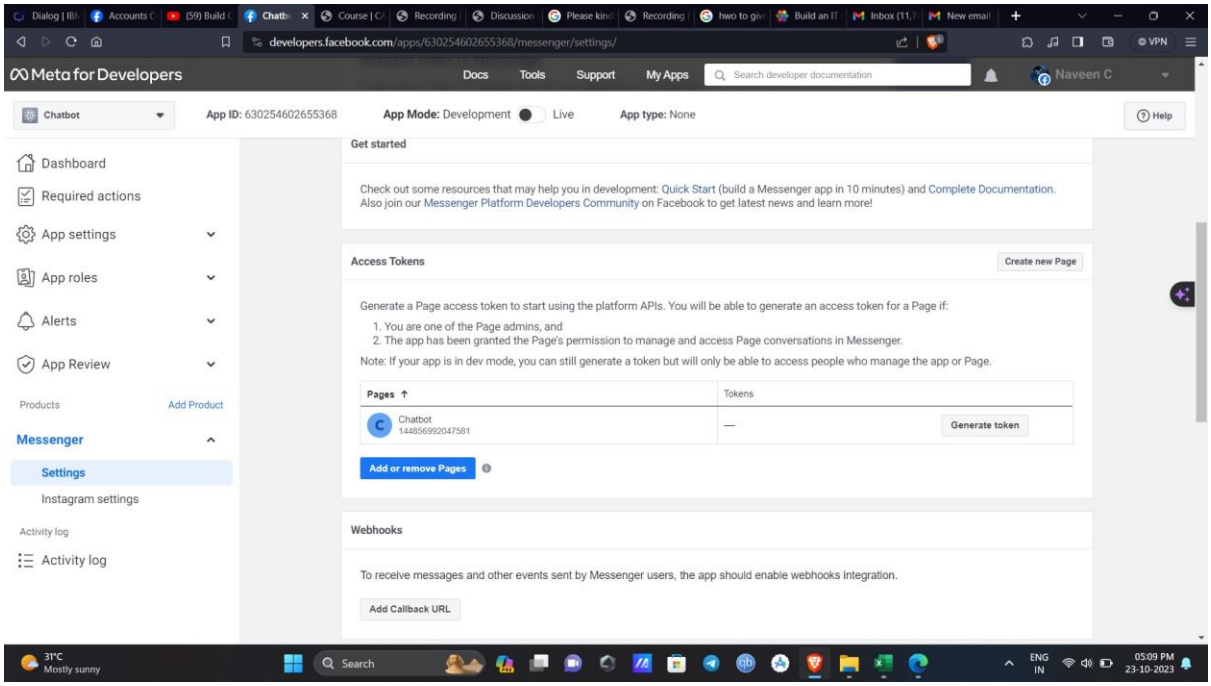


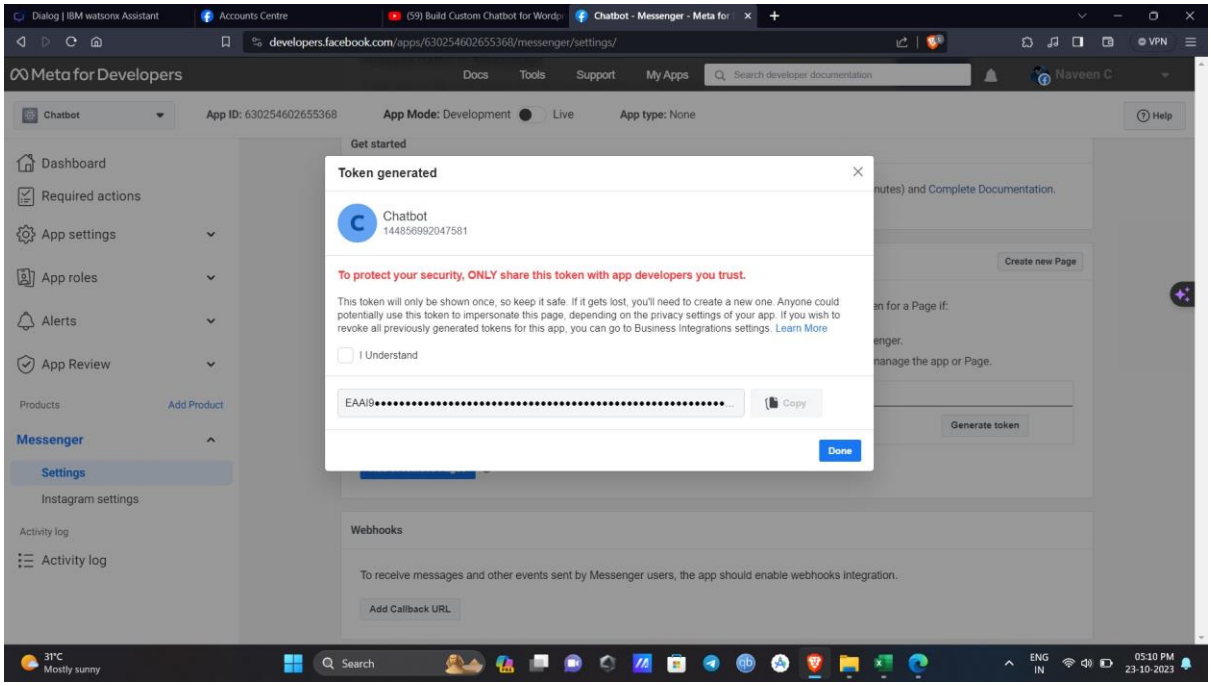
Obtain the app secret for your Facebook app from there.





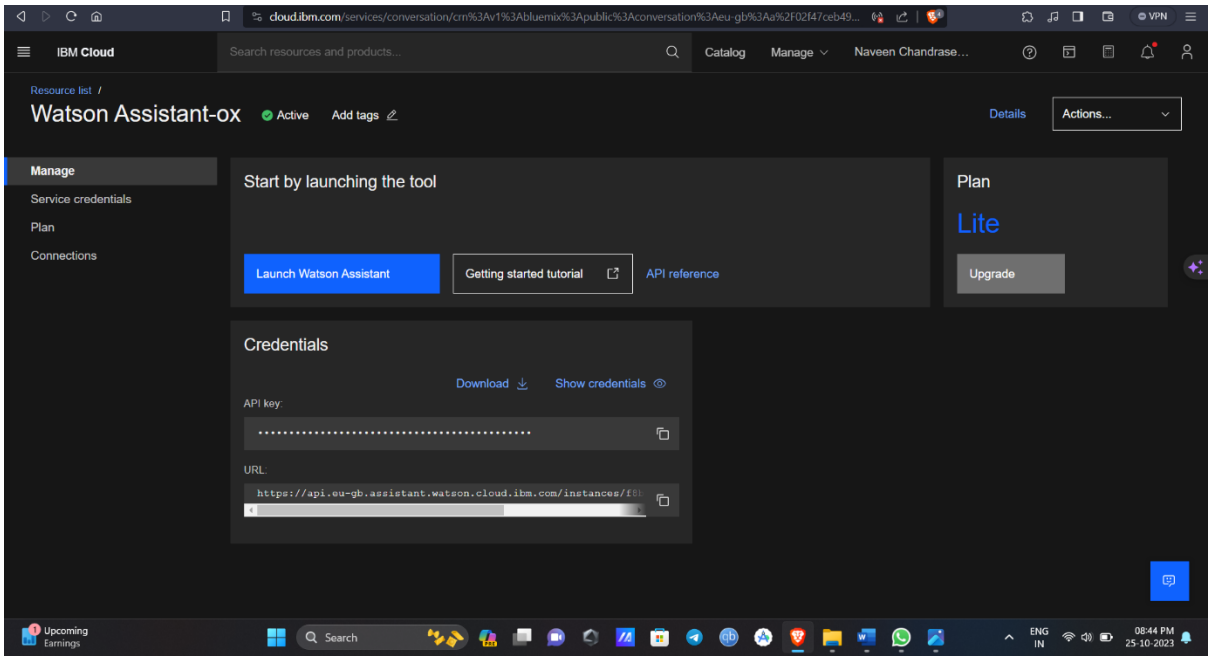
4. Connect your chatbot to your Facebook page by generating a page access token. Remember to save this token for later use.

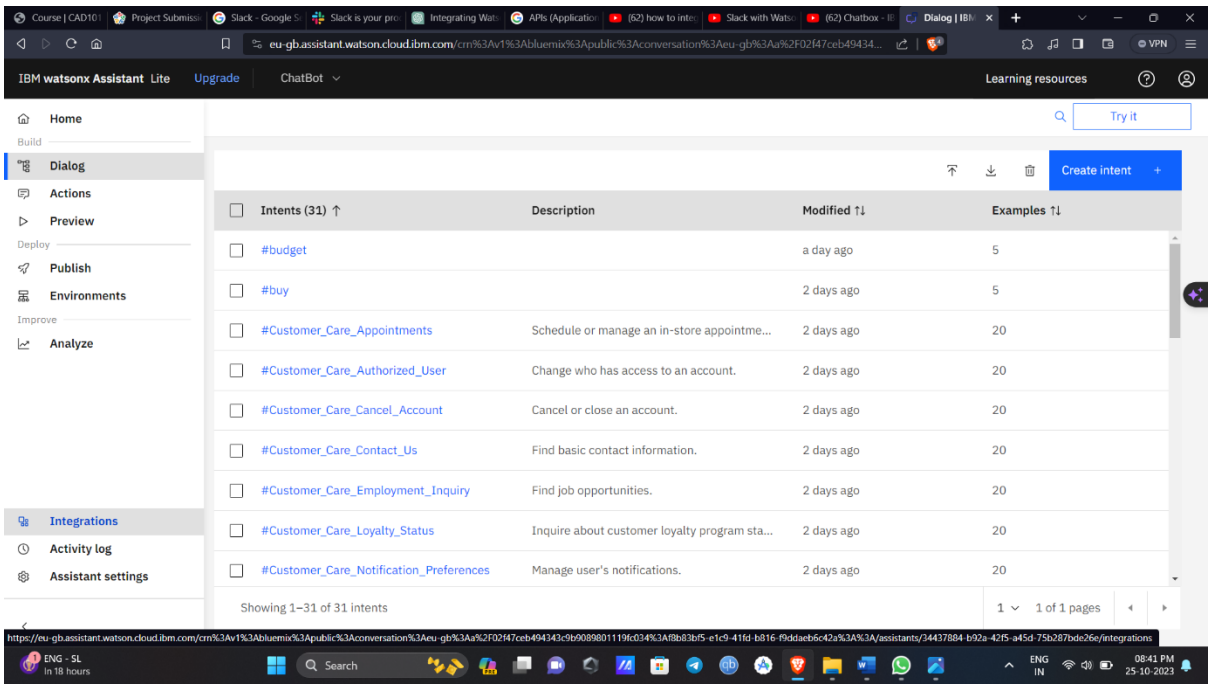




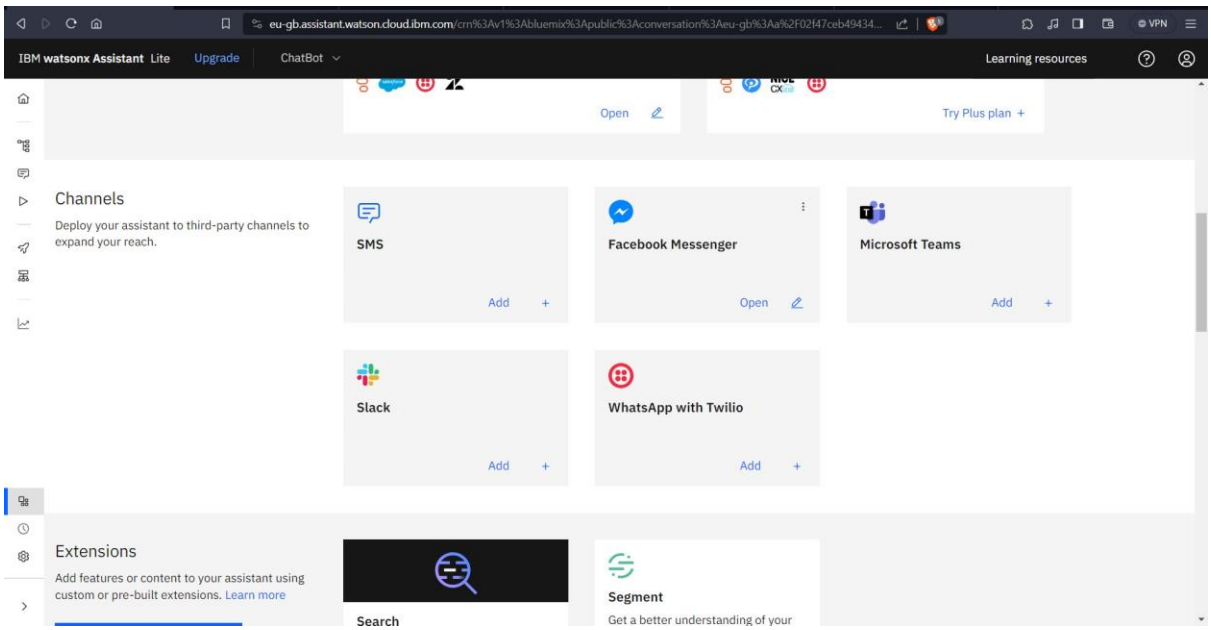
5. Now, it's time to integrate your chatbot with Watson Assistant or any other chatbot you prefer.

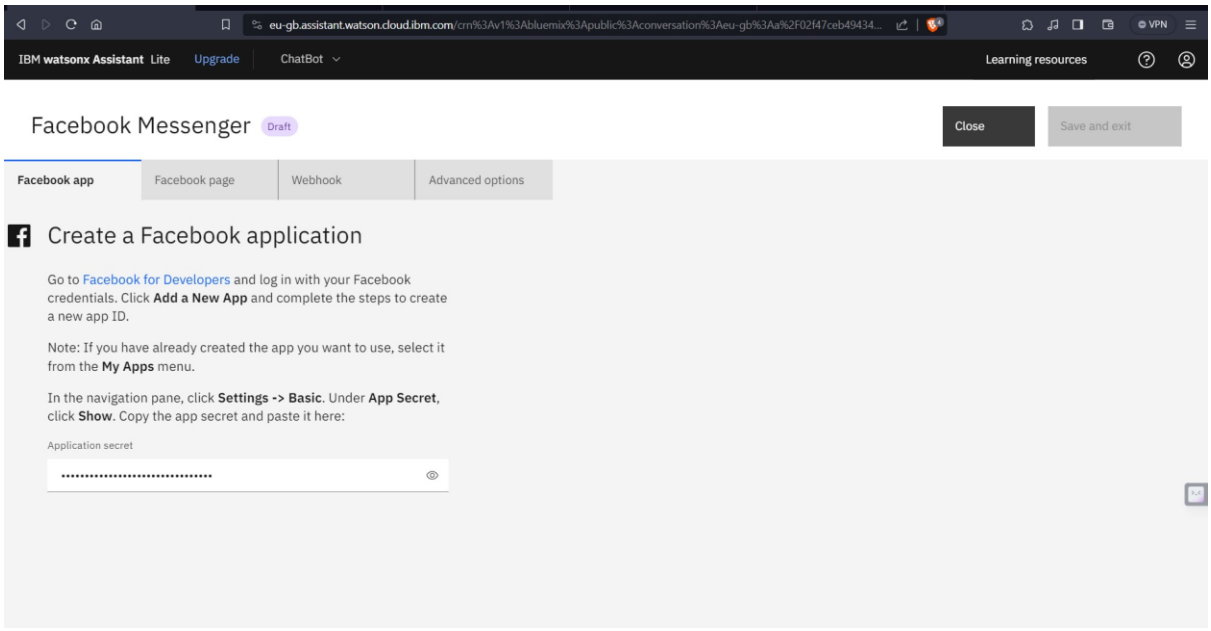
6. First, launch your chatbot assistant instance and pick the specific chatbot you wish to connect with your web page.



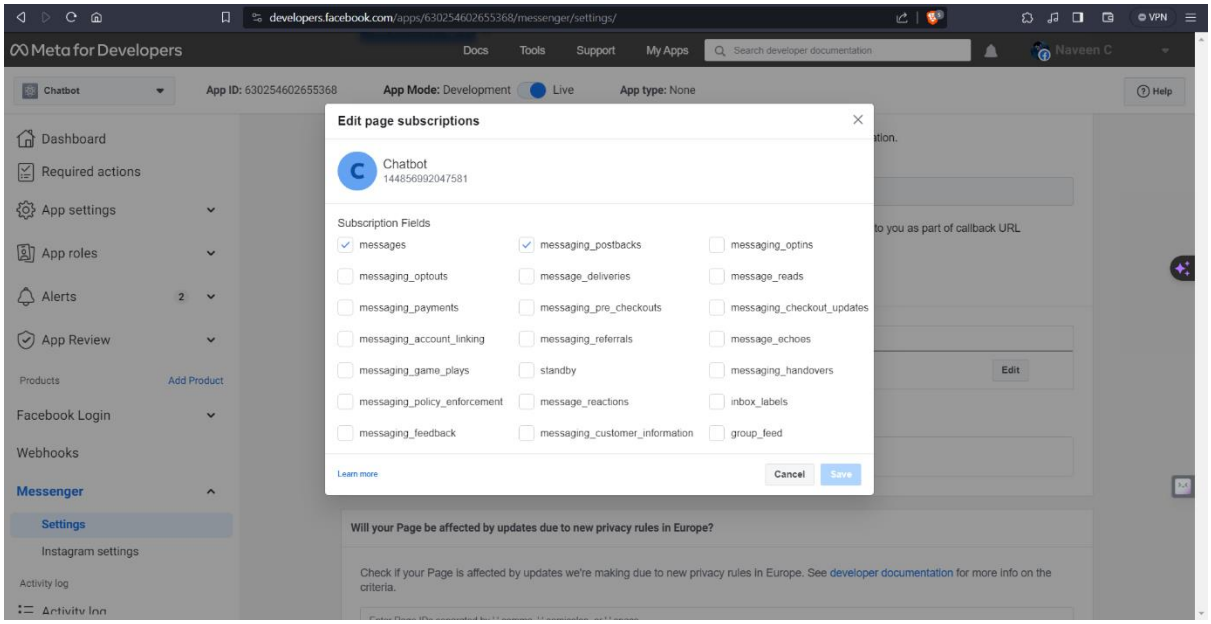


7. Add the Facebook Messenger integration and provide the required credentials. Make sure to verify the callback URL and save it.

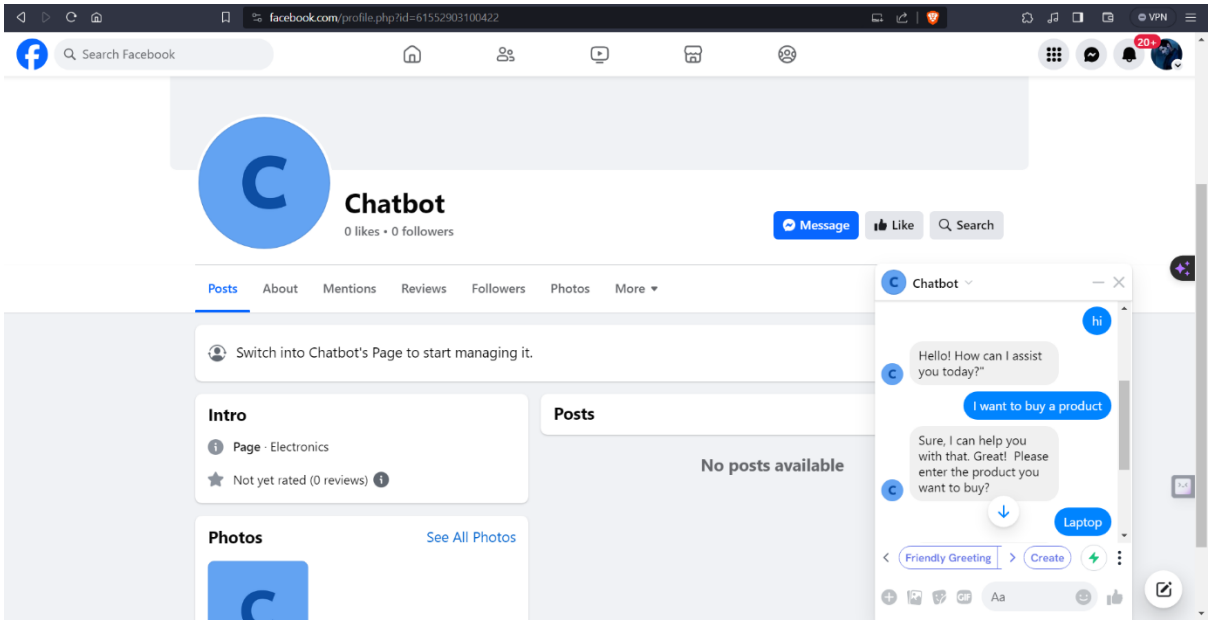




8. Additionally, add a subscription for messages and messaging postbacks to ensure smooth communication.

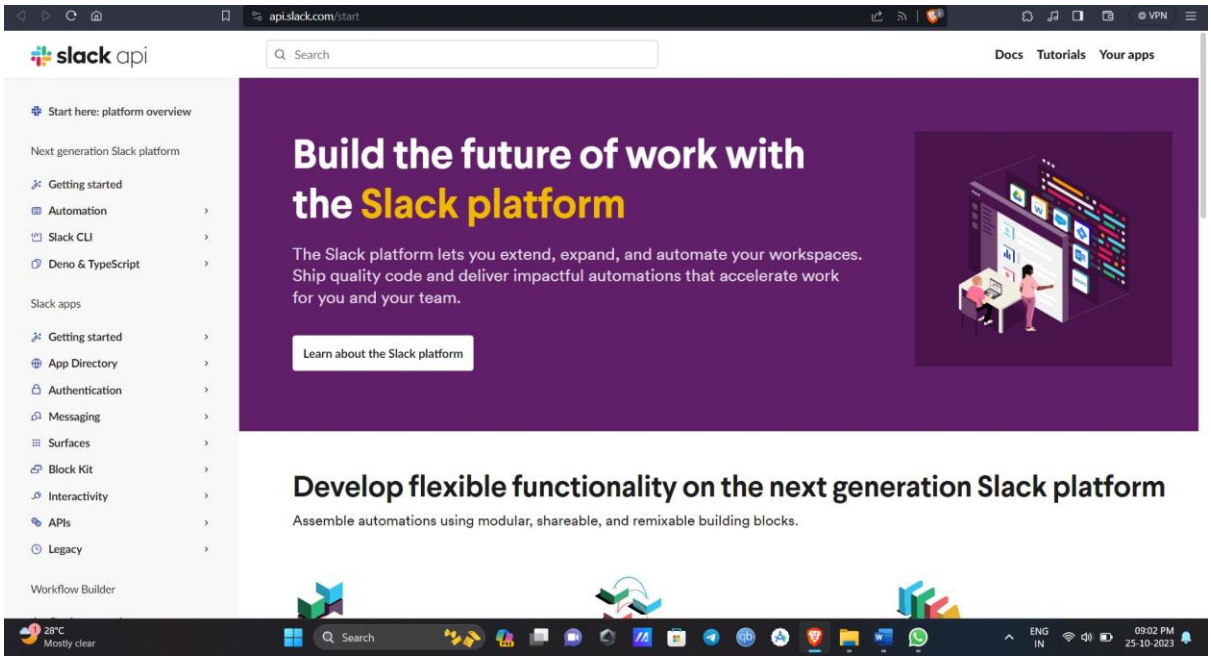


Finally, don't forget to test your chatbot app on Messenger to ensure everything is working correctly.

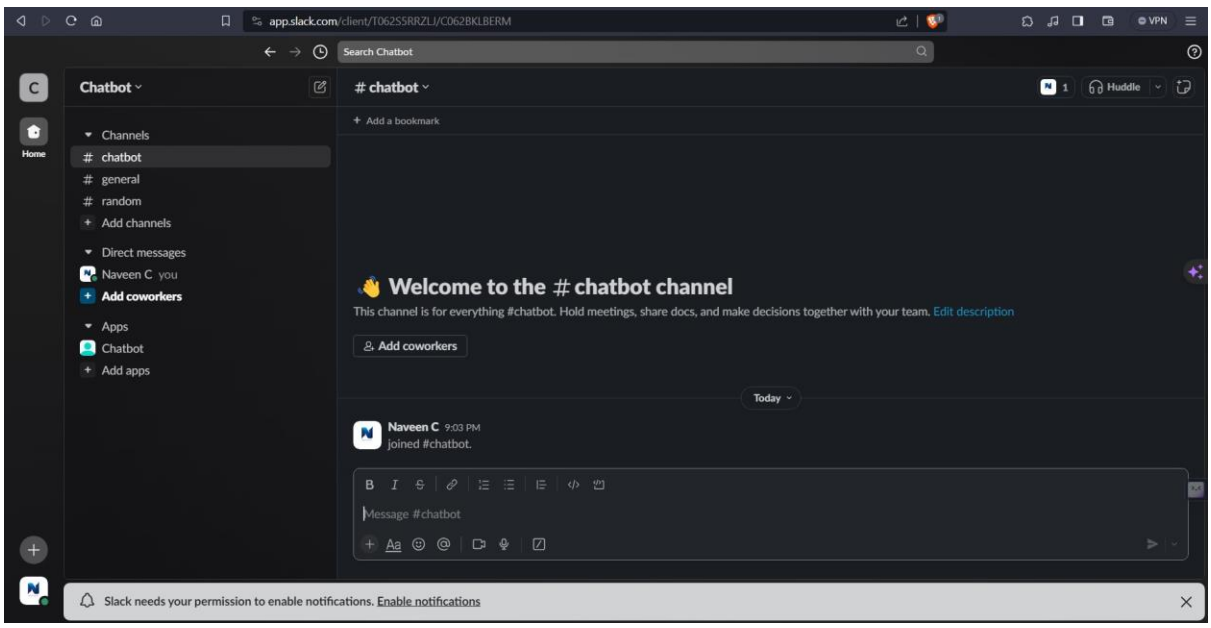


To integrate IBM Watson Assistant chatbot into Slack, please adhere to the following step-by-step instructions:

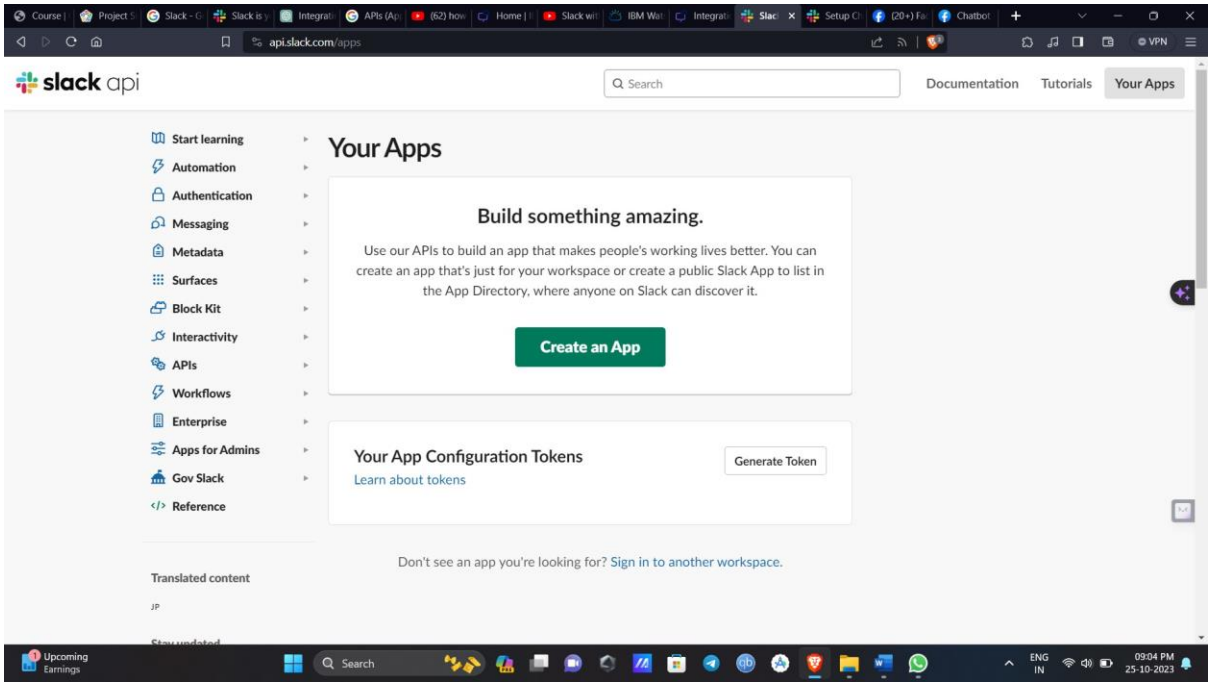
1. If you do not already have a Slack account, begin by signing up for one.



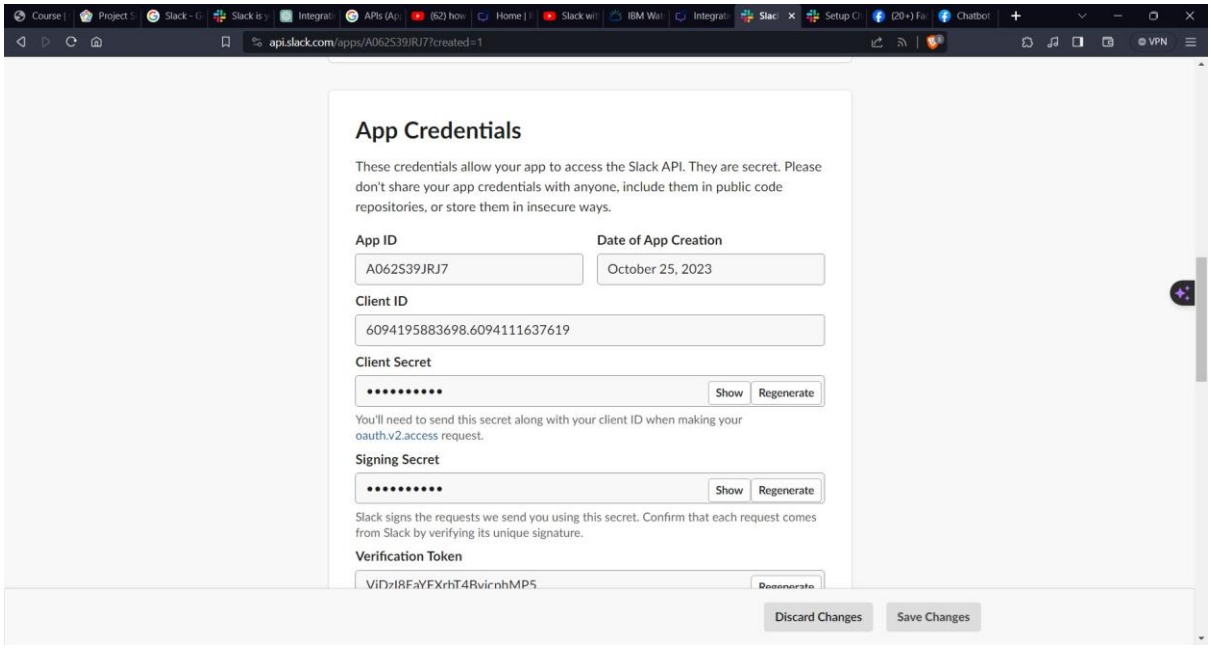
2. Create a Workspace that corresponds to your chatbot.

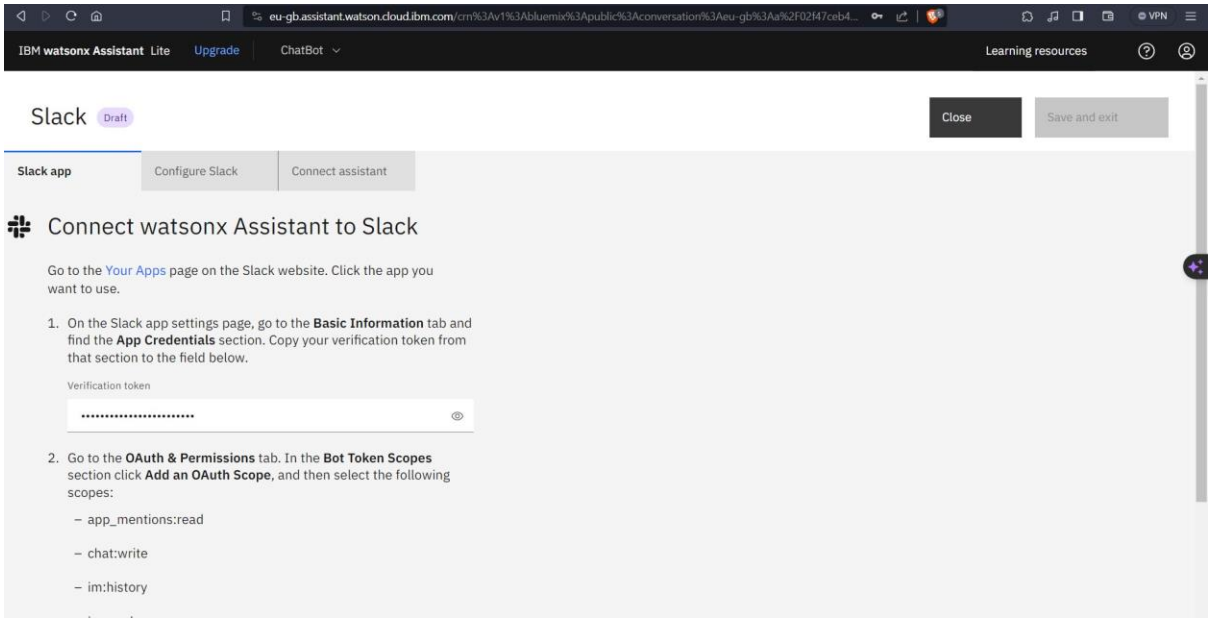


3. Proceed to the Slack API website and create a Slack app specifically for your chatbot.



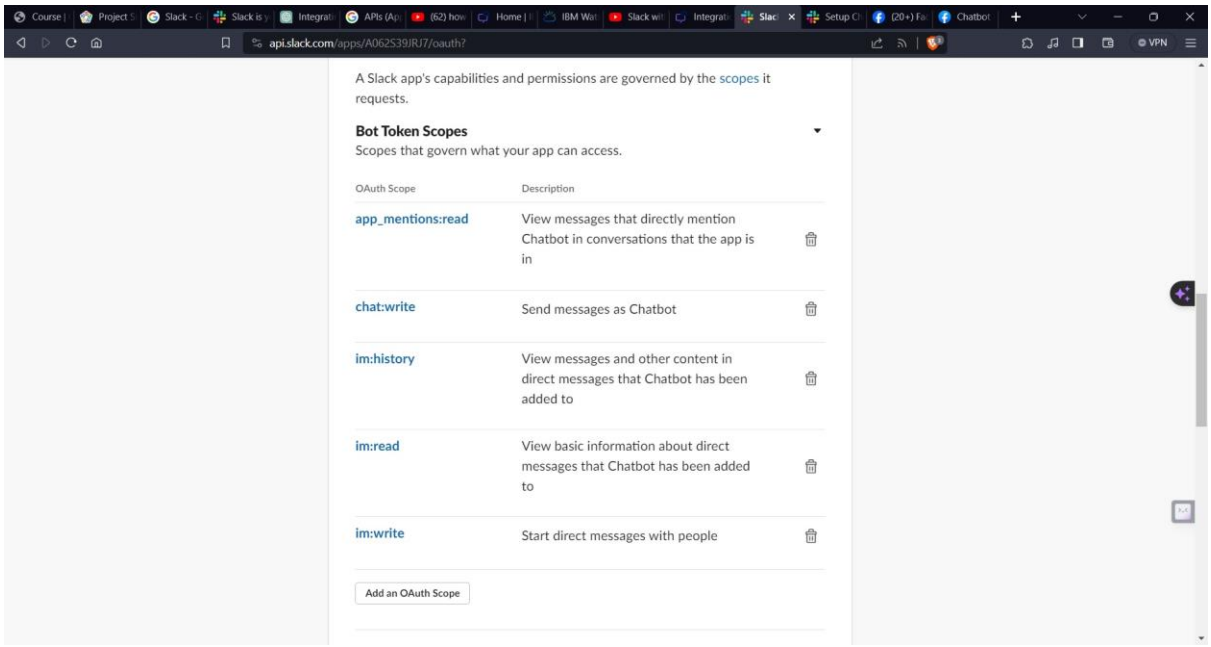
4. Access the Slack app settings page and navigate to the Basic Information tab. Locate the App Credentials section and copy your verification token.



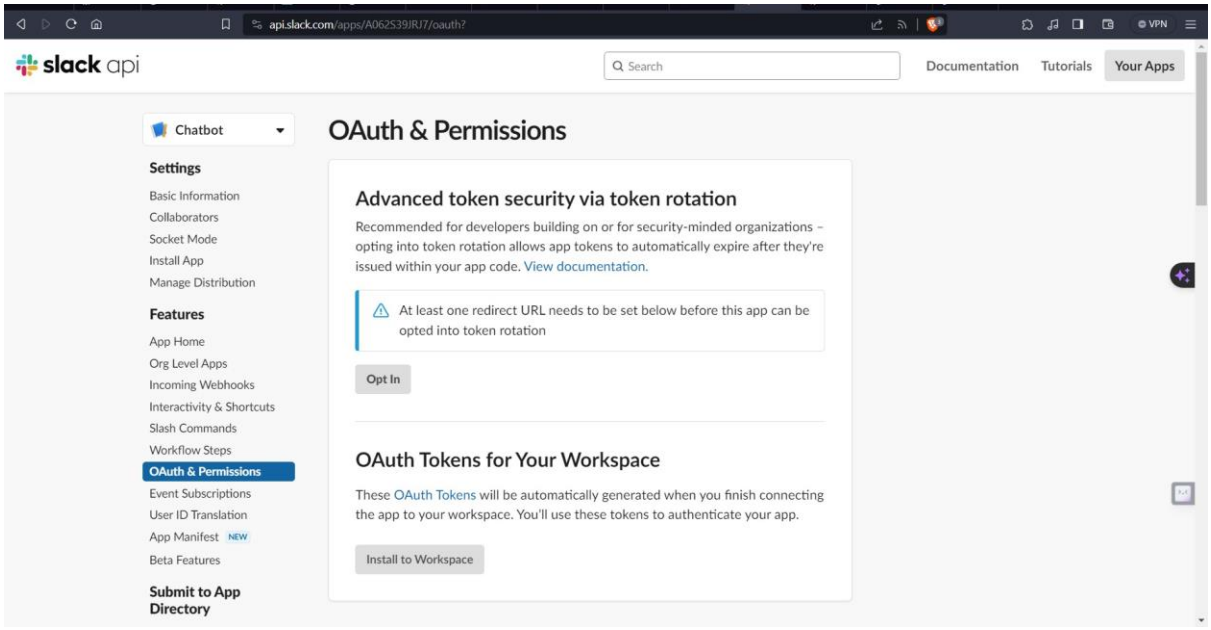


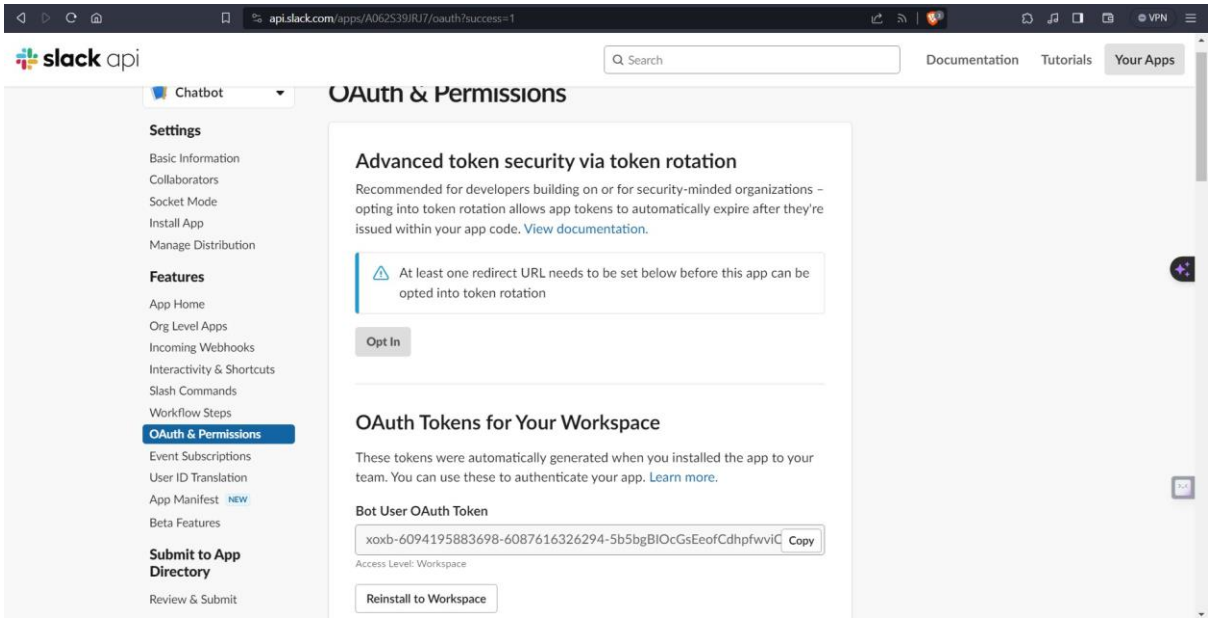
5. Head to the OAuth & Permissions tab. Under the Bot Token Scopes section, select "Add an OAuth Scope" and include the following scopes:

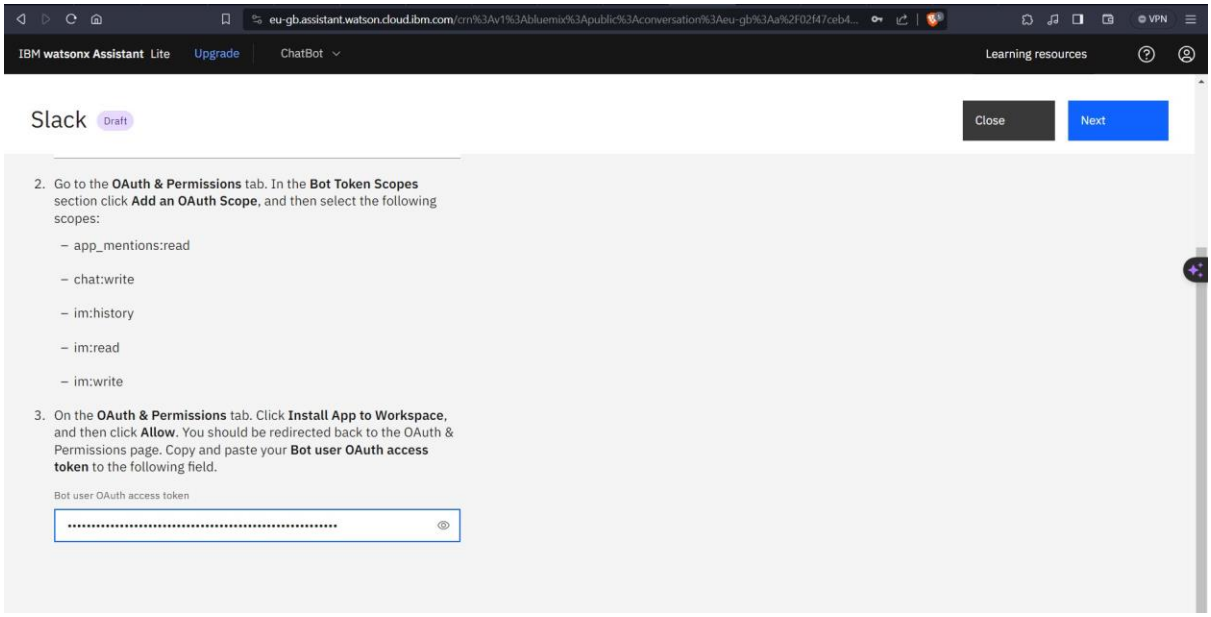
- app_mentions:read
- chat:write
- im:history
- im:read
- im:write



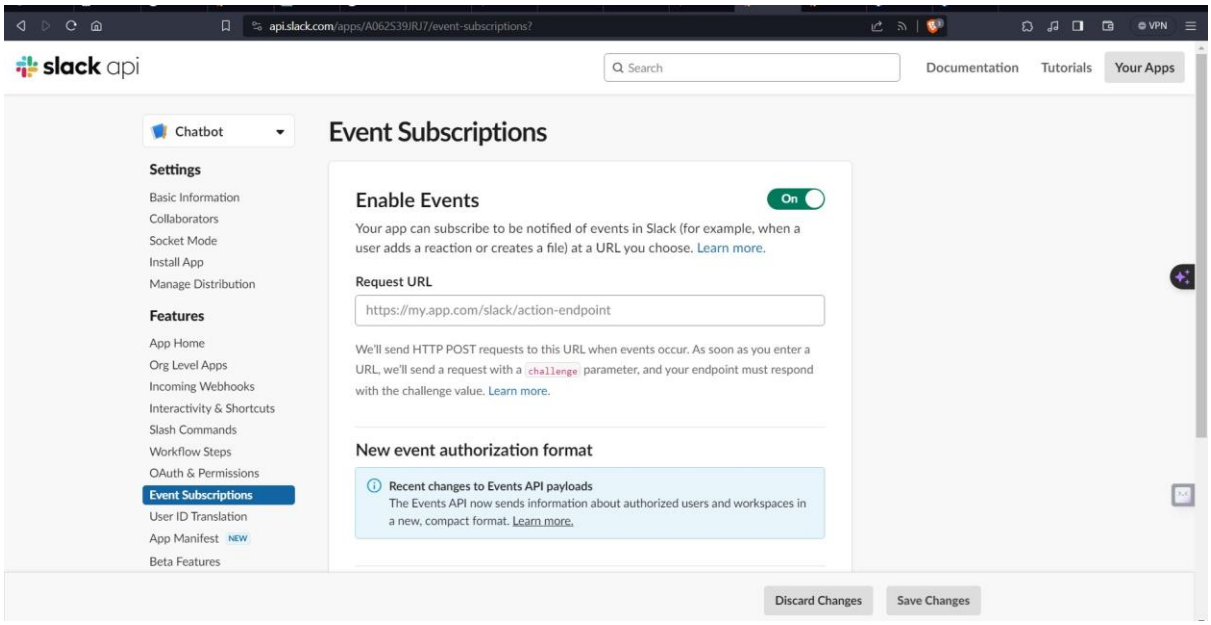
6. Visit the OAuth & Permissions tab. Click on "Install App to Workspace" and grant the necessary permissions by selecting "Allow." Afterward, you will be redirected back to the OAuth & Permissions page. Copy and paste your Bot user OAuth access token.







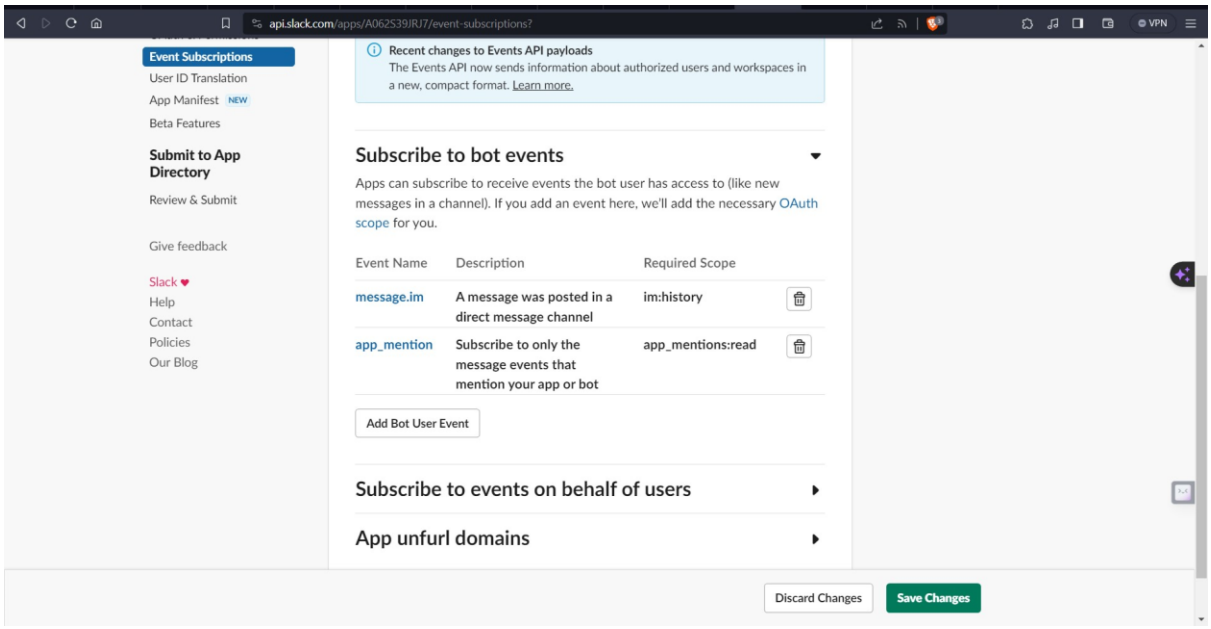
7. Return to the Slack app settings page and access the Event Subscriptions tab. Enable the Events toggle by switching it to the On position. Then, paste your request URL in the designated text field.



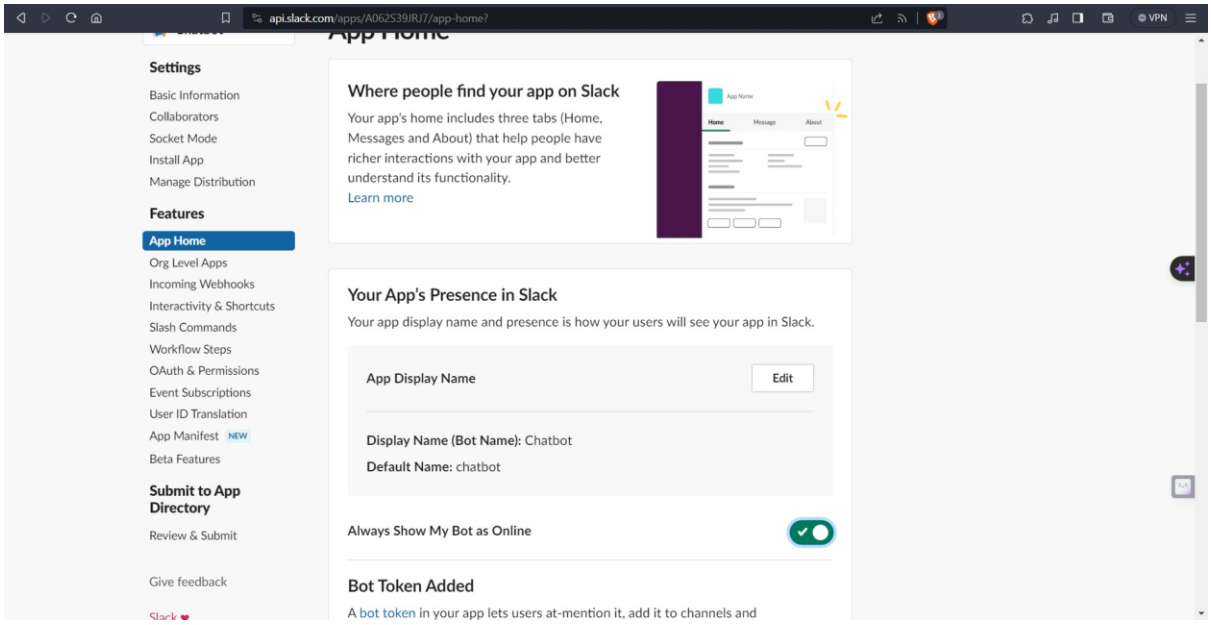
8. While on the Event Subscriptions tab, locate the "Subscribe to Bot Events" section. Click "Add Bot User Event" and select the desired event types you wish to subscribe to.

It is mandatory to choose at least one of the following types:

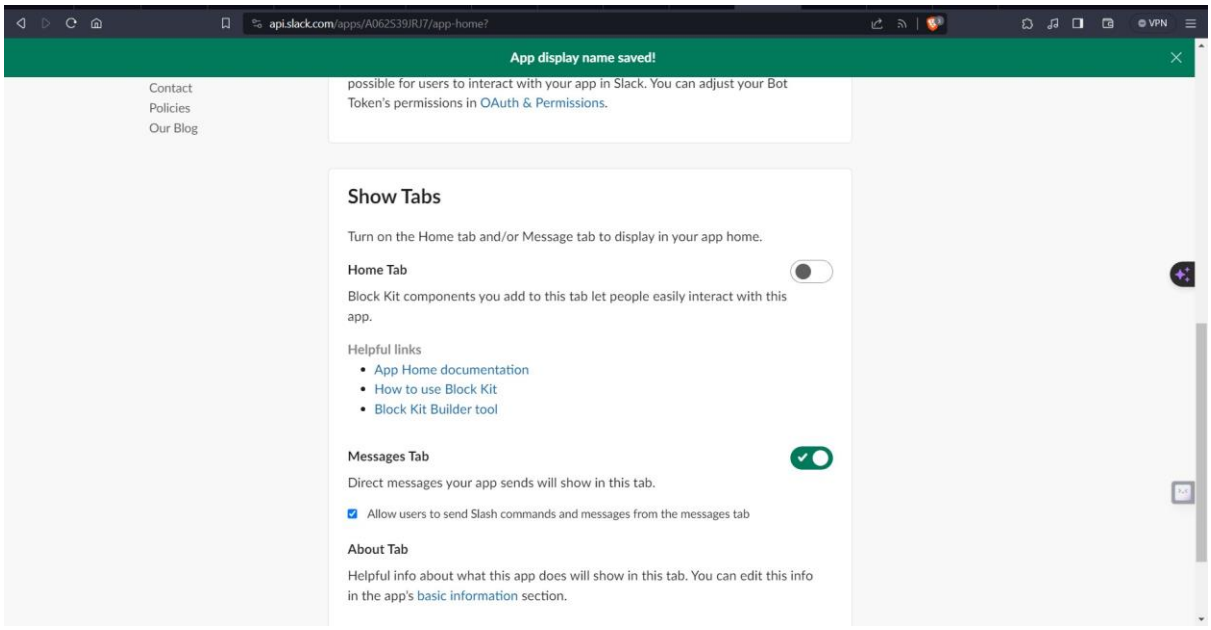
- message.im: Listens for message events within direct message channels.
- app_mention: Listens exclusively for message events that mention your app or bot.
- Be sure to save your changes.



9. Proceed to the App Home tab. Click "Edit" and provide a display name and default username for your virtual assistant. Save your changes and activate the "Always Show My Bot as Online" toggle.



10. On the App Home tab, locate the Show Tabs section. Enable the Messages Tab toggle and check the "Allow users to send Slash commands and messages from the messages tab" checkbox.



Finally, it is essential to thoroughly test your chatbot application on Messenger to ensure seamless functionality.