

NAAN MUTHALVAN –CLOUD APPLICATION DEVELOPMENT

Group-1

Chatbot Deployment with IBM Cloud Watson Assistant

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College name: ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Project name: Chatbot deployment with IBM Watson

Chatbot deployment with IBM Watson

Phase 4 : Development part 2

Building a chatbot by integrating it with messaging platforms and refining the process.

Create a Watson Assistant Skill:

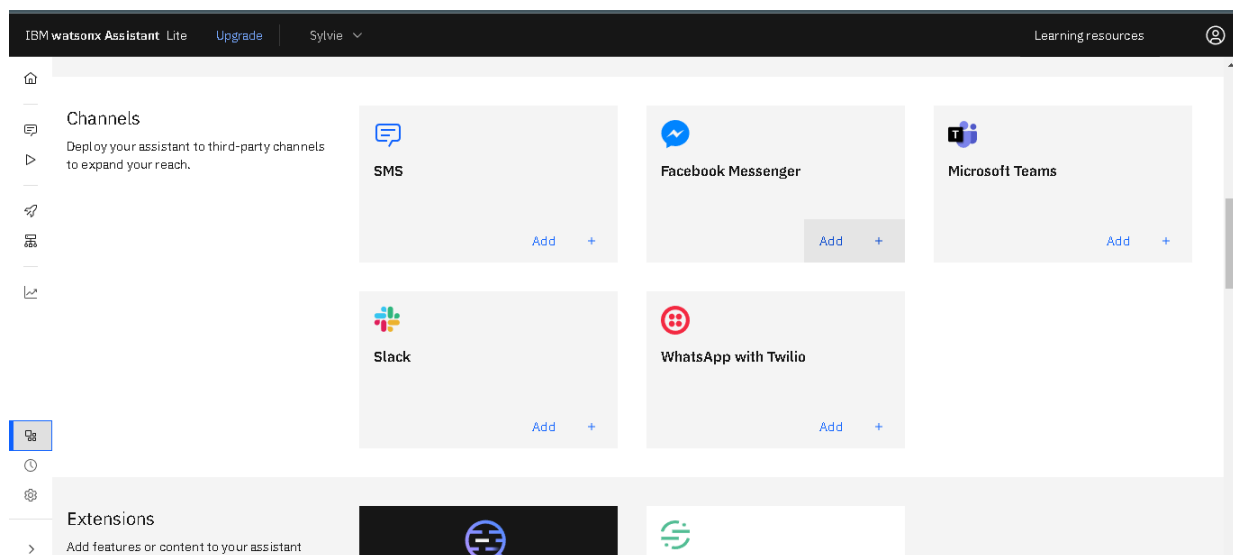
- Log in to your IBM Cloud account and access IBM Watson Assistant.
- Create a new skill or use an existing one.
- Build your chatbot using the IBM Watson Assistant's service.
- Train your chatbot by providing example user inputs.

Set Up Integration:

- In your Watson Assistant skill, navigate to the "Options" menu and select "Integration."
- Click to the “Channels” and view messaging platforms.

Configure the Messaging Platform:

- Selecting a platform for example Facebook messenger.



Creating a Facebook application

- Go to [Facebook for developers](#) and log into Facebook account.
- Register a developer account and add necessary details complete registration.

Meta for Developers

Create a Meta for Developers account

✓ Register

✓ Contact info

○ About you

Which of the following best describes you?
Help us improve your experience by telling us which of the following roles best describe you.

</> Developer ☒

📈 Marketer ☐

📊 Analyst ☐

📁 Product manager ☐

🎓 Student ☐

👤 Owner/founder ☐

👤 Other ☐

Complete Registration

Creating an app

- Click Add a New App and complete the steps to create a new app ID.
- Add app name and contact details for create an app.

Meta for Developers

Docs Tools Support My Apps Search developer documentation

Add an app name

This is the app name that will show on your My Apps page and associated with your app ID. You can change the name later in Settings.

Sylvie 7/30

App contact email

This is the email address we'll use to contact you about your app. Make sure it is an address you check regularly. We may contact you about policies, app restrictions or recovery if your app is deleted or compromised.

Business Account · Optional

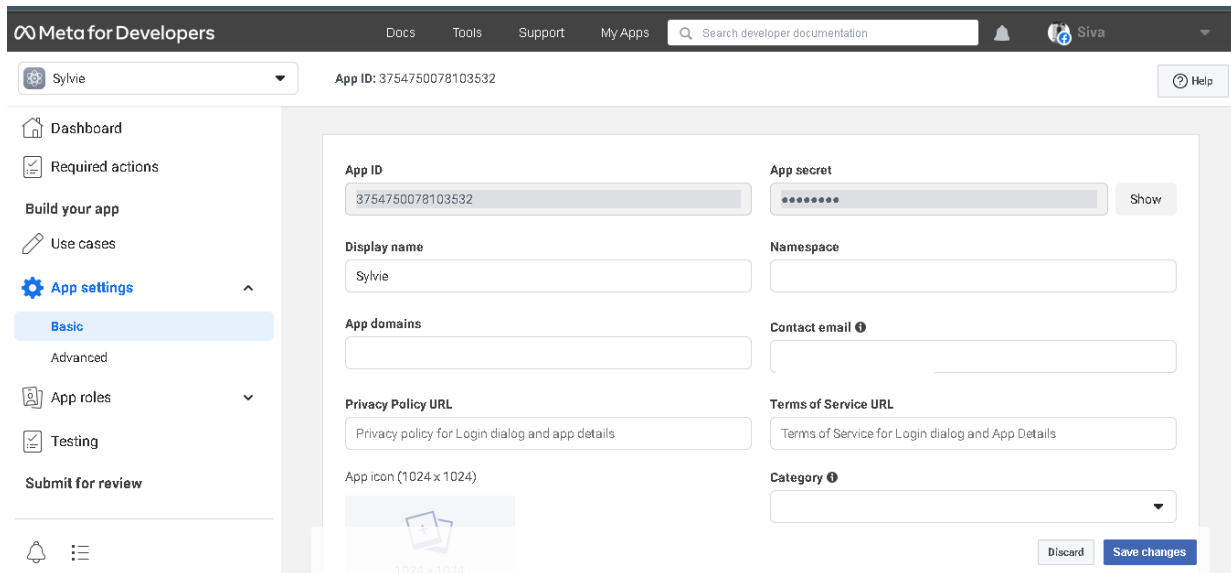
Connecting a Business Account to your app is only required for certain products and permissions. You'll be asked to connect a Business Account when you request access to those products and permissions.

No Business Manager account selected

By proceeding, you agree to the [Meta Platform Terms](#) and [Developer Policies](#).

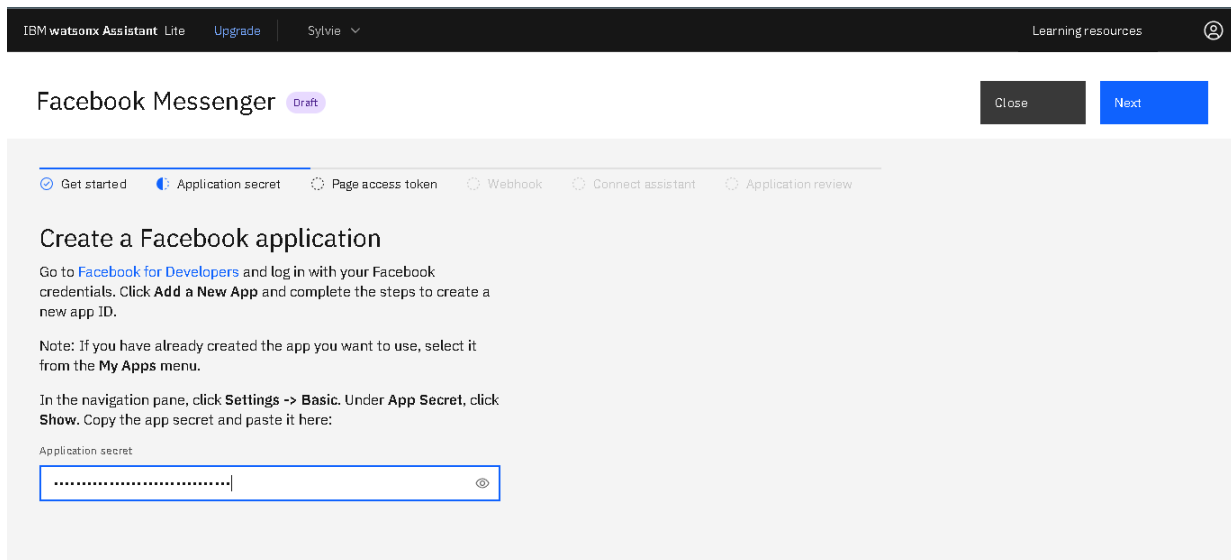
Previous Create app

- In the dashboard, click App settings select Basic.
- Select App Secret, click Show. Copy the app secret.



The screenshot shows the Meta for Developers dashboard. The top navigation bar includes 'Docs', 'Tools', 'Support', 'My Apps', and a search bar. The user 'Siva' is logged in. The left sidebar shows the 'App settings' section expanded, with 'Basic' selected. The main content area displays the app's configuration for 'Sylvie' (App ID: 3754750078103532). The 'App secret' field is masked with dots and a 'Show' button is visible. Other fields include 'Display name', 'Namespace', 'App domains', 'Contact email', 'Privacy Policy URL', 'Terms of Service URL', and 'App icon'.

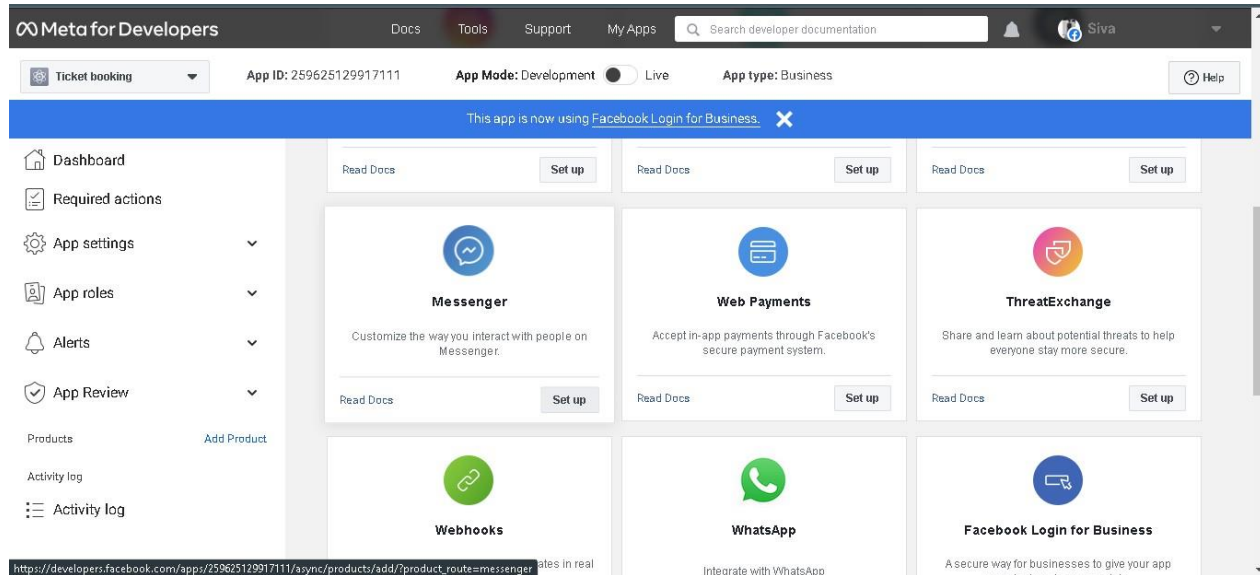
- Copied app secret pasted into IBM Watson assistant Facebook messenger.



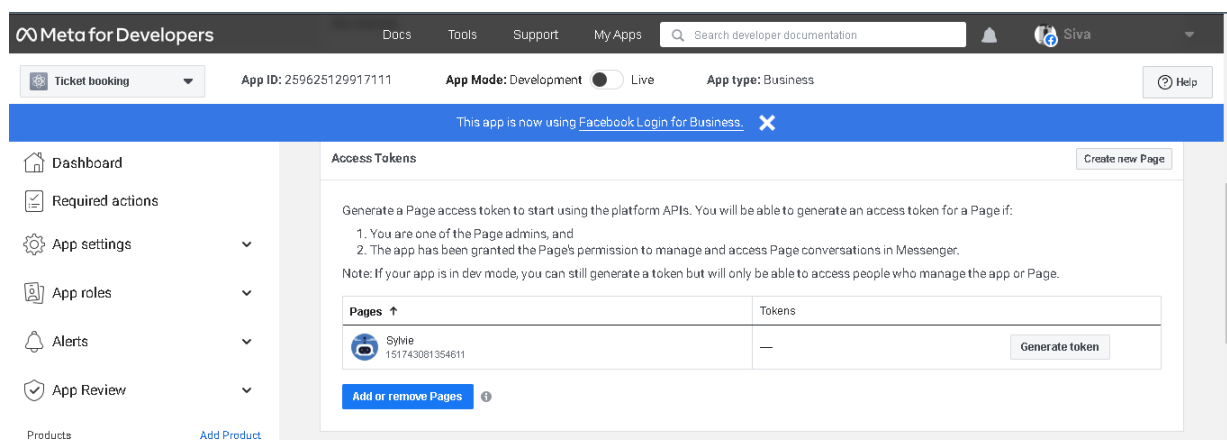
The screenshot shows the IBM Watson Assistant interface. The top bar indicates 'IBM watsonx Assistant Lite' and 'Upgrade' options. The 'Facebook Messenger' configuration step is active, showing a progress bar with steps: 'Get started', 'Application secret', 'Page access token', 'Webhook', 'Connect assistant', and 'Application review'. The 'Application secret' step is highlighted. The instructions state: 'Go to Facebook for Developers and log in with your Facebook credentials. Click Add a New App and complete the steps to create a new app ID. Note: If you have already created the app you want to use, select it from the My Apps menu. In the navigation pane, click Settings -> Basic. Under App Secret, click Show. Copy the app secret and paste it here:'. A text input field for the 'Application secret' is shown with a masked value and a copy icon.

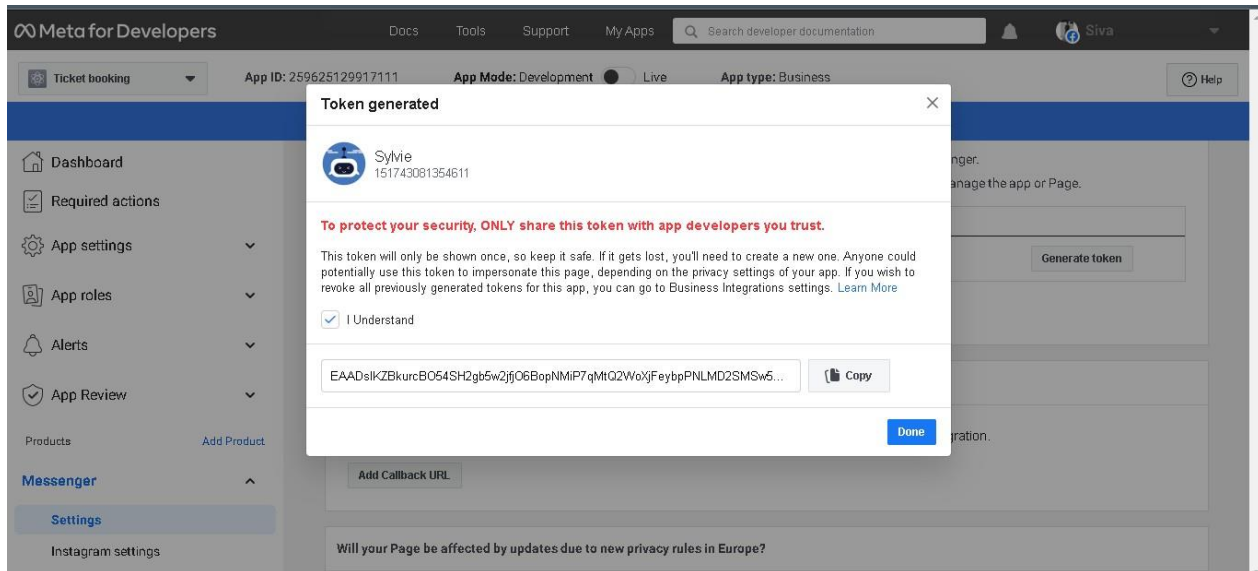
Creating a Facebook page

- On the Facebook app page, click the **Products** in the left side navigation.
- find the **Messenger** tile and click **Set Up**.

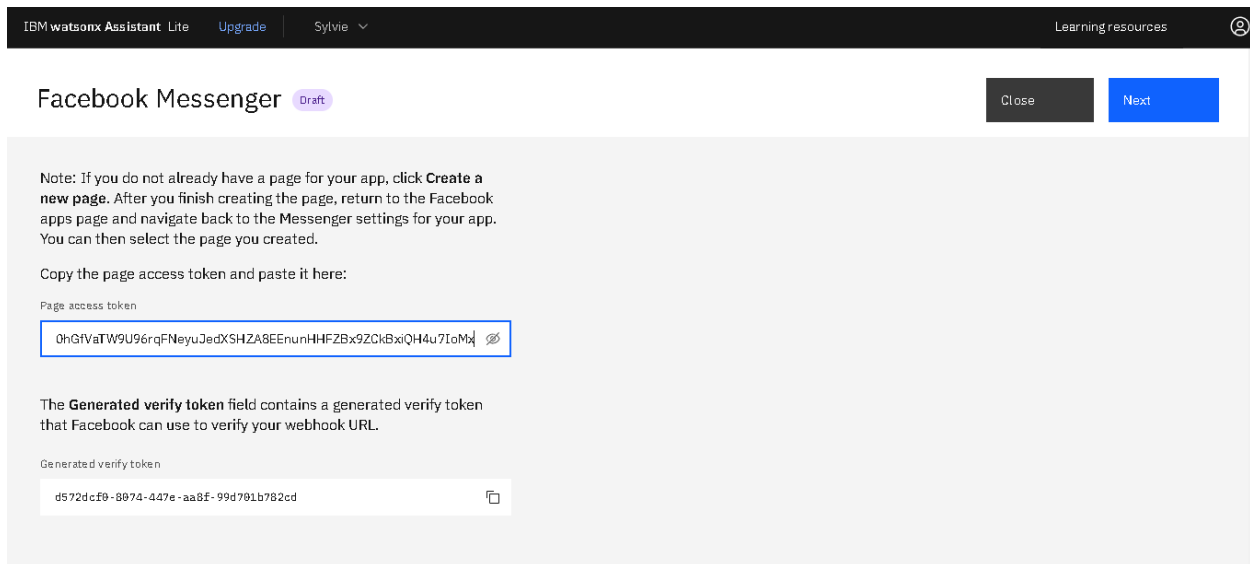


- Click **Add or Remove Pages** and choose the Facebook page you want to use for your app.
- Click **Generate Token** and check the I Understand checkbox to generate the page access token.



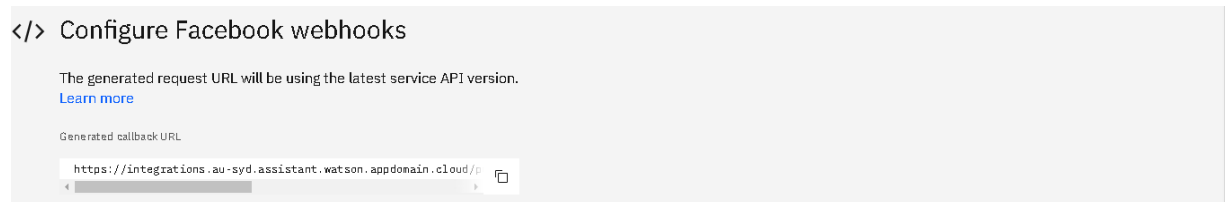


- Copy the page access token and paste into IBM Watson Facebook messenger page.

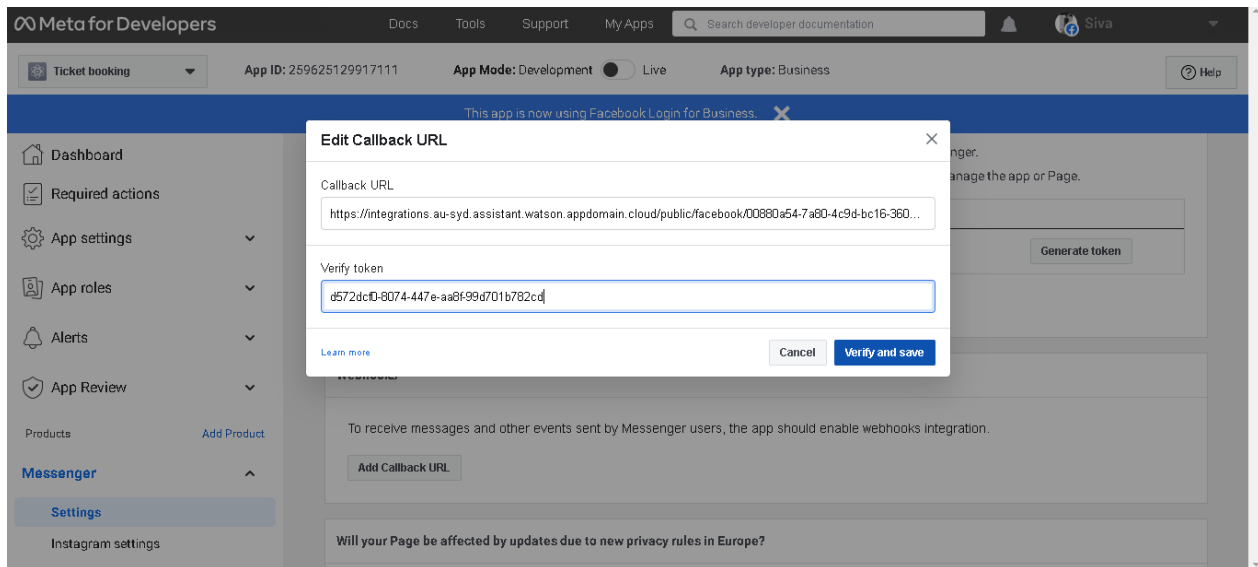
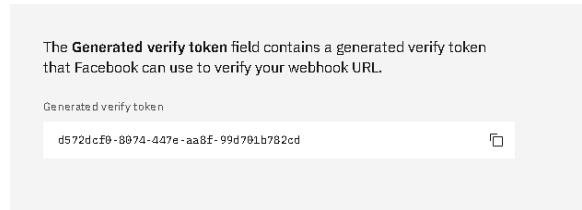


Configure Facebook webhooks

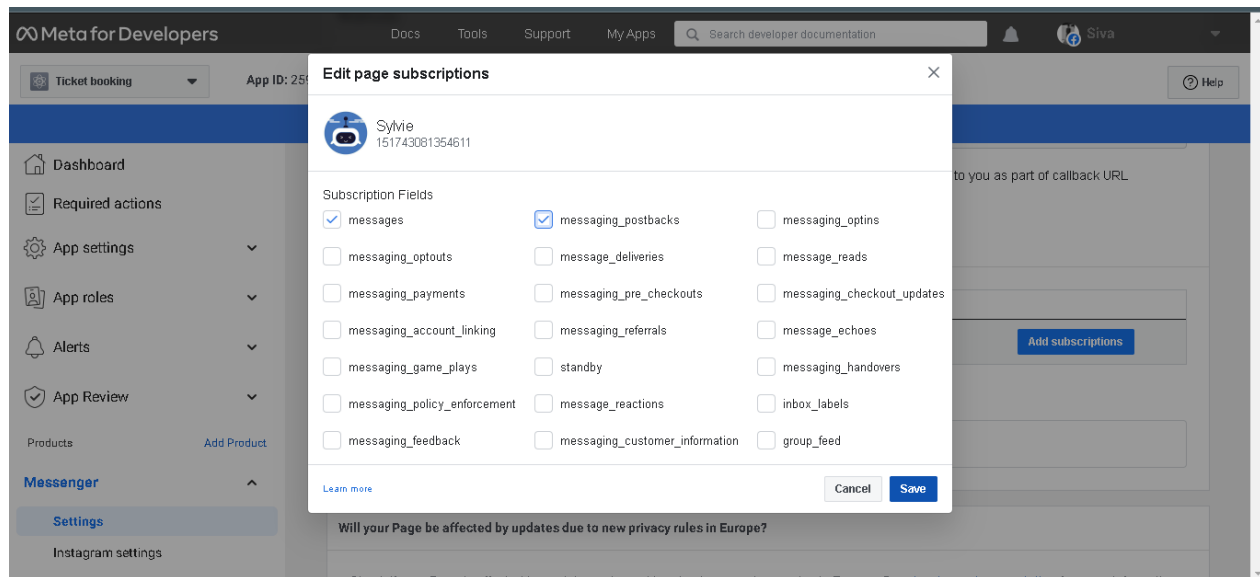
- Copy the generated URL in IBM Watson Facebook messenger.



- In the Meta developers Facebook Messenger settings, scroll to the **Webhooks** section. Click **Setup Webhooks**.
- In the **Edit Callback URL** window, paste the **generated callback URL** into the Callback URL field.
- In the **Verify Token field**, paste the verify token that was generated for you in **Facebook page** in IBM Watson Facebook messenger page.
- Click **Verify and Save**.



- Click **Add Subscriptions**. In the **Edit Page Subscriptions** window under Subscription Fields, select **messages** and **messaging_postbacks**. And click **Save**.



Connect your assistant

- After successfully completing the above procedure, your chatbot is now successfully integrated into messaging platforms like Facebook Messenger.

Screenshots



