

API Integration Architecture with PrIA

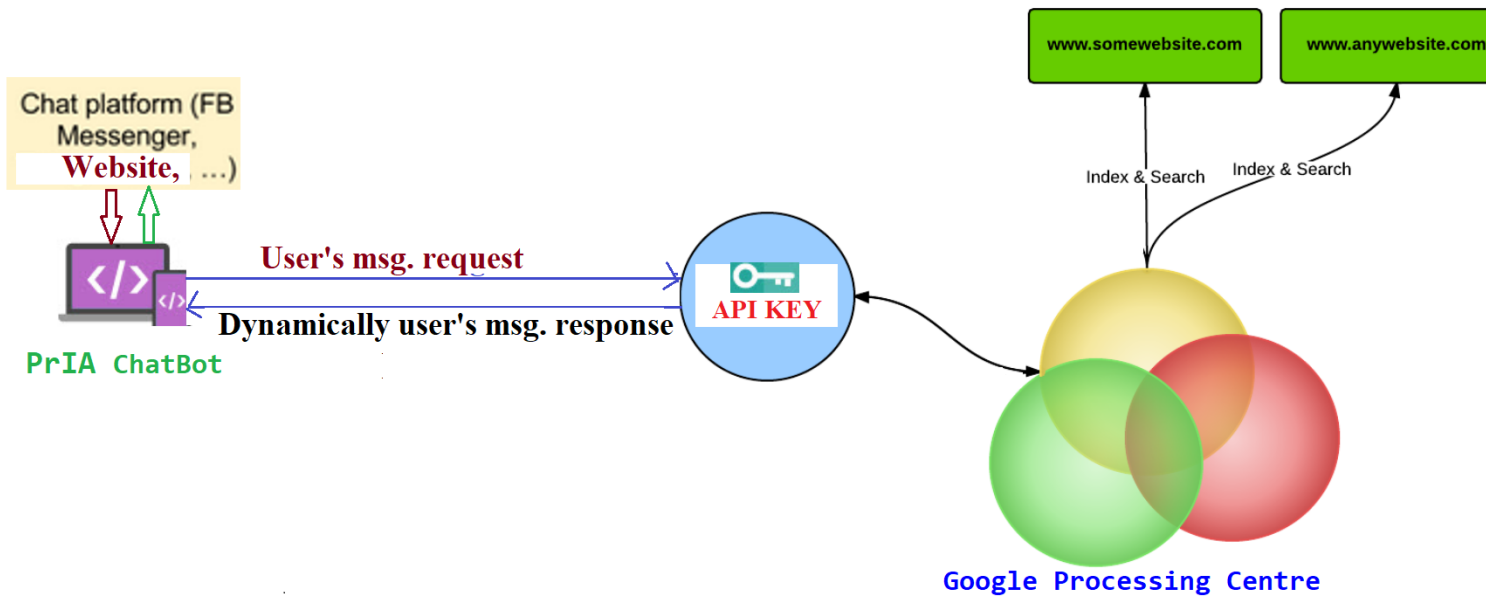


Fig. Diagram shows how ChatBot works to fetch dynamic data from google based on user's queries

Below is the step by step process that we have used to fetch the dynamic data on google based on user's request.

Step 1:

First, we have created the project by using google cloud console link to create custom search credentials and after creating it we have enabled API before using it, to make it search based on user's request.

Here is the link: <https://console.developers.google.com/apis/> and diagram shown in below.

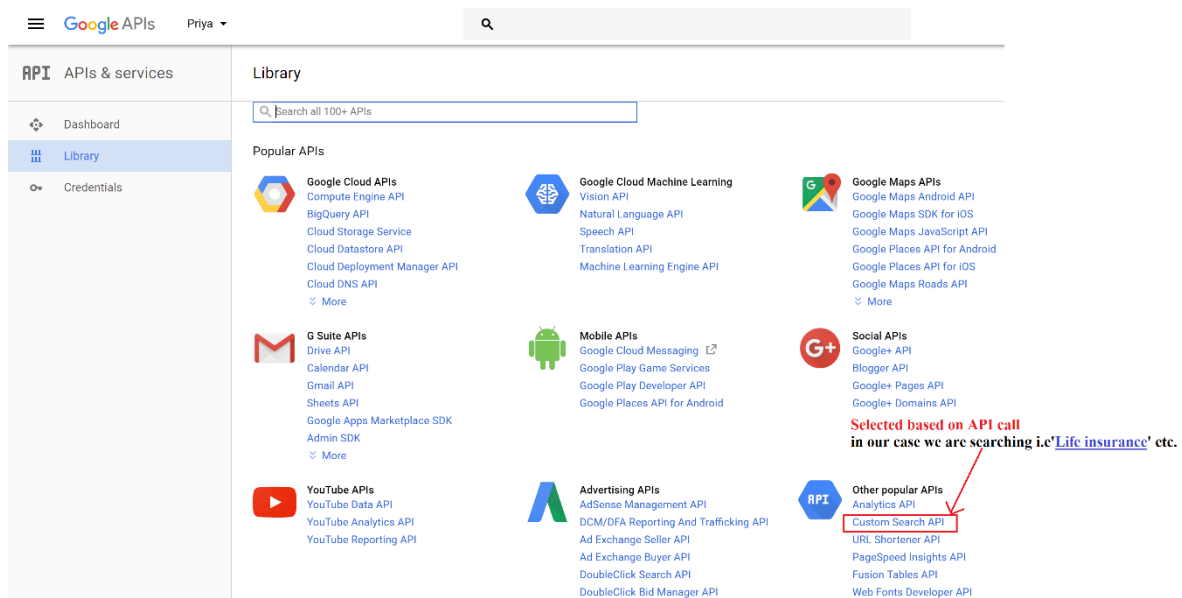


Fig: Shows the selection of custom search API inorder use custom search API

Step 2:

Second, we have used Google CSE URL, to create our custom search engine, to get CSE key from Public URL.

Link: <https://cse.google.com/cse/> and images are shown in below

Custom Search

The screenshot displays the Google Custom Search console interface. On the left, a sidebar contains links for 'New search engine', 'Edit search engine', 'Help' (with sub-links: Help Center, Help forum, Support, Blog, Documentation, Terms of Service), and 'Send Feedback'. The main content area shows a 'Congratulations!' message: 'You've successfully created your Custom search engine.' Below this, there are three sections: 'Add it to your site' with a 'Get code' button; 'View it on the web' with a 'Public URL' button; and 'Modify your search engine' with a 'Control Panel' button. A red arrow points from the text 'Obtaining custom search key' to the 'Public URL' button. Below the console, a URL is shown: 'Secure | https://cse.google.com/cse/publicurl?cx=009361644698488574589:cbq-stnkh0s', where the CSE key '009361644698488574589:cbq-stnkh0s' is highlighted with a red box. At the bottom, a 'Custom search' section shows a search bar with the text 'Google Custom Search' and a magnifying glass icon, with 'Pr-IA' written next to it.

Fig: Above figure shows the custom search API obtaining process

Step 3:

Finally, we have made API call using URL, this URL we have used in FlowXo tolls to make the dynamic search based on user's queries from user's through Priya ChatBot.

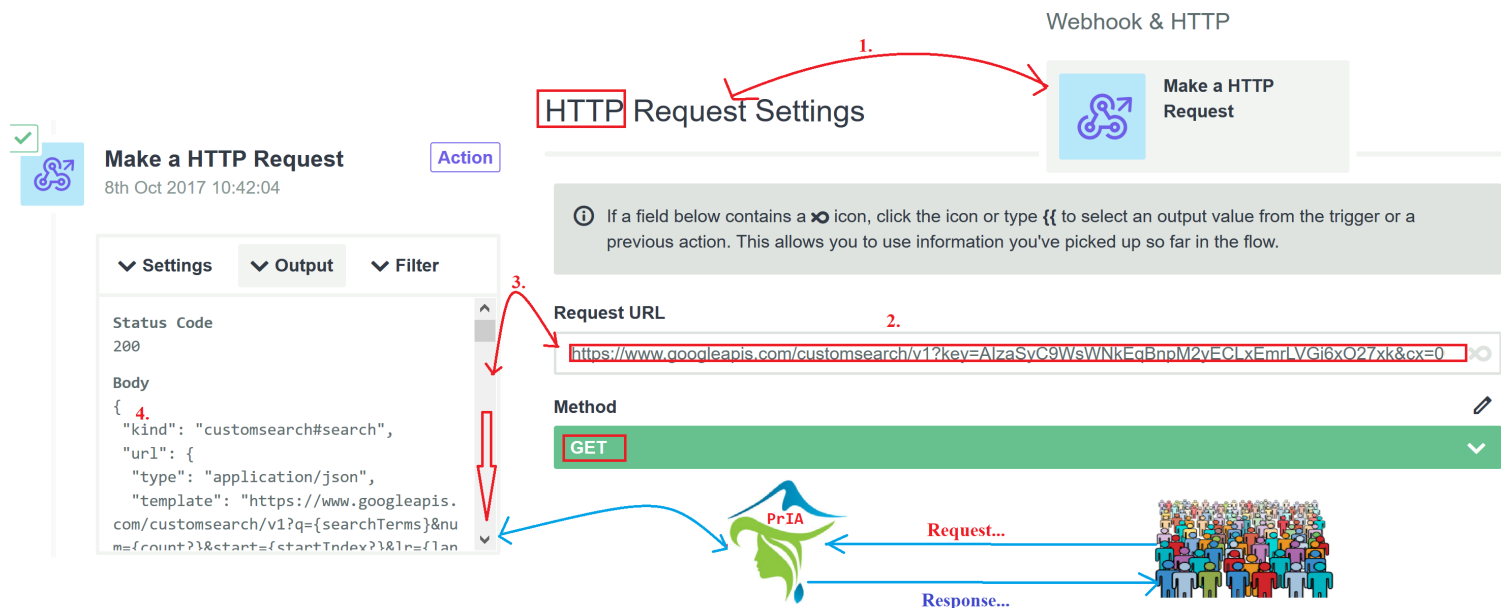
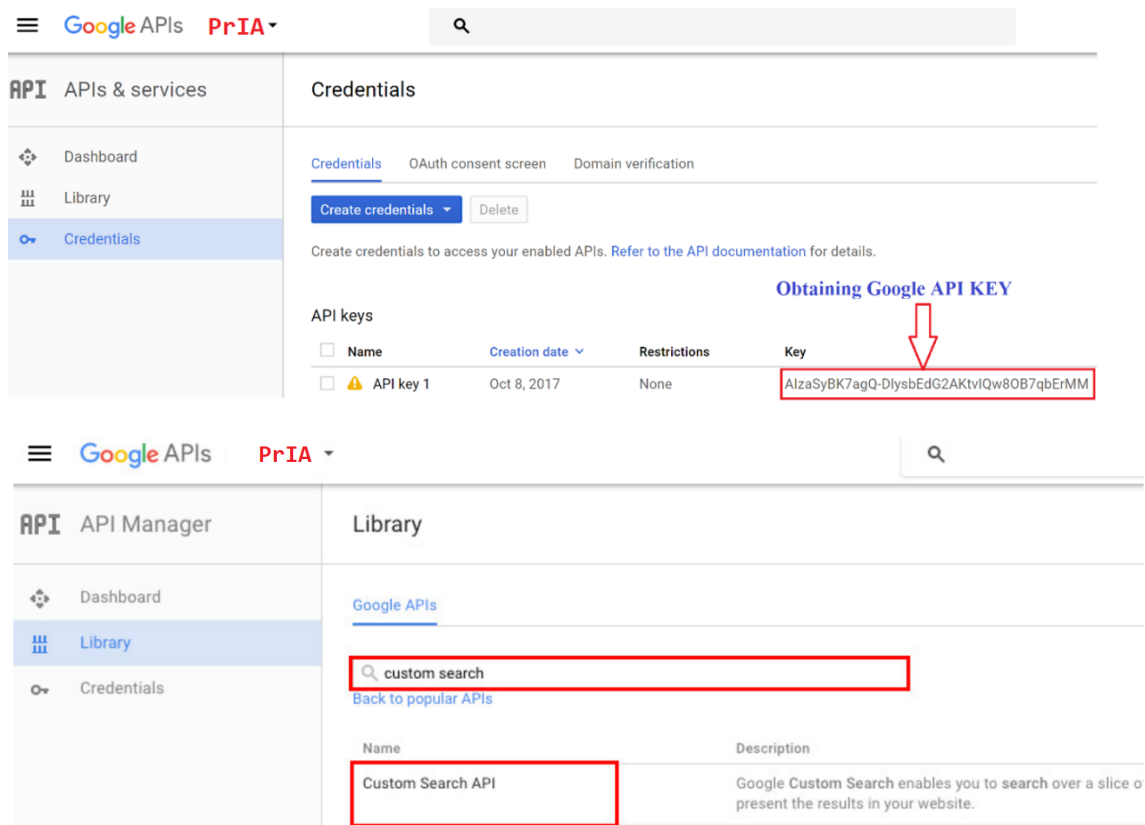


Fig: Above figure shows the complete internal working structure of FlowXo tool in our Priya ChatBot

As we have mentioned above based on above descriptions, here is the final URL obtaining process that is shown in below...



Language
English

Here we are explicitly telling to search broadly.

Advanced

Sites to search
Search the entire web but emphasize included sites

Add Delete Filter Label

1- 1 of 1

☐ Site Label

☐ amazon.com

Advanced

https://www.googleapis.com/customsearch/v1?key=<GOOGLE_API_KEY>&cx=<CSE_KEY>&q=<YOUR_QUERY_HERE>

Process:

GOOGLE_API_KEY : <https://console.developers.google.com/apis/library?project=priva-182308>

CSE_KEY : <https://cse.google.com/cse/>

YOUR_QUERY_HERE: i.e Life insurance... etc

https://www.googleapis.com/customsearch/v1?key=AlzaSyBK7agQ-DIysbEdG2AKtvIQw8OB7qbErMM&cx=009361644698488574589:cbqstnkh0s&q={{ask_a_question.parsed_answer}}

Integrating Google Sheets

We used Google sheet as of our database for example to search, add and update information based on user's queries.

Gmail

To send the information based on user's searched and their request, we have integrated Gmail to send the details for life insurance.

FlowXO help links inspiration:

<https://community.flowxo.com/t/tutorials-other-resources/1118>

<https://support.flowxo.com/category/4-user-guide>

<https://support.flowxo.com/category/3-integrations>

<https://support.flowxo.com/article/22-webhooks>