

Use Cloud Functions to Launch Flask Web-Site

(Verify that you have the hello_http.py script before starting this exercise)

1. From the Google Cloud Console, Click Navigation Menu > Cloud Functions
2. Click "Create Function"
3. Name the function "hellohttp", set the Trigger as "HTTP", Source code should be set to "inline editor" and the runtime should be "Python"
4. Paste the code from hello_http.py script into the MAIN.PY window to replace the existing code
5. Verify that the function name of the code in the MAIN.PY window is "hello_http". The "Function to execute" option should also be set to "hello_http".
6. In the REQUIREMENTS.TXT window, type "Flask==1.0.2" to specify the version of Flask required for this app
7. Click "Create"
8. When the build is complete, click SHOW INFO PANEL if the PERMISSIONS option is not visible.
9. Click PERMISSIONS > ADD MEMBER
10. For new members type "allUsers", For Role choose "Cloud Functions Invoker"
11. Click "Save"
12. When prompted, click "ALLOW PUBLIC ACCESS"
13. Click the name of the function, "hellohttp", to open the Edit window
14. Click the TRIGGER folder
15. Note the URL of the new HTTP trigger you have created
16. Use the URL to test the function in a browser window
17. At the end of the URL in the browser, type "?name=My Name" without the double-quotes
18. Click the SOURCE folder in the edit window of the "hellohttp" function.
19. Experiment with the code in MAIN.PY to change the message displayed by the URL.
20. Delete the function when finished.