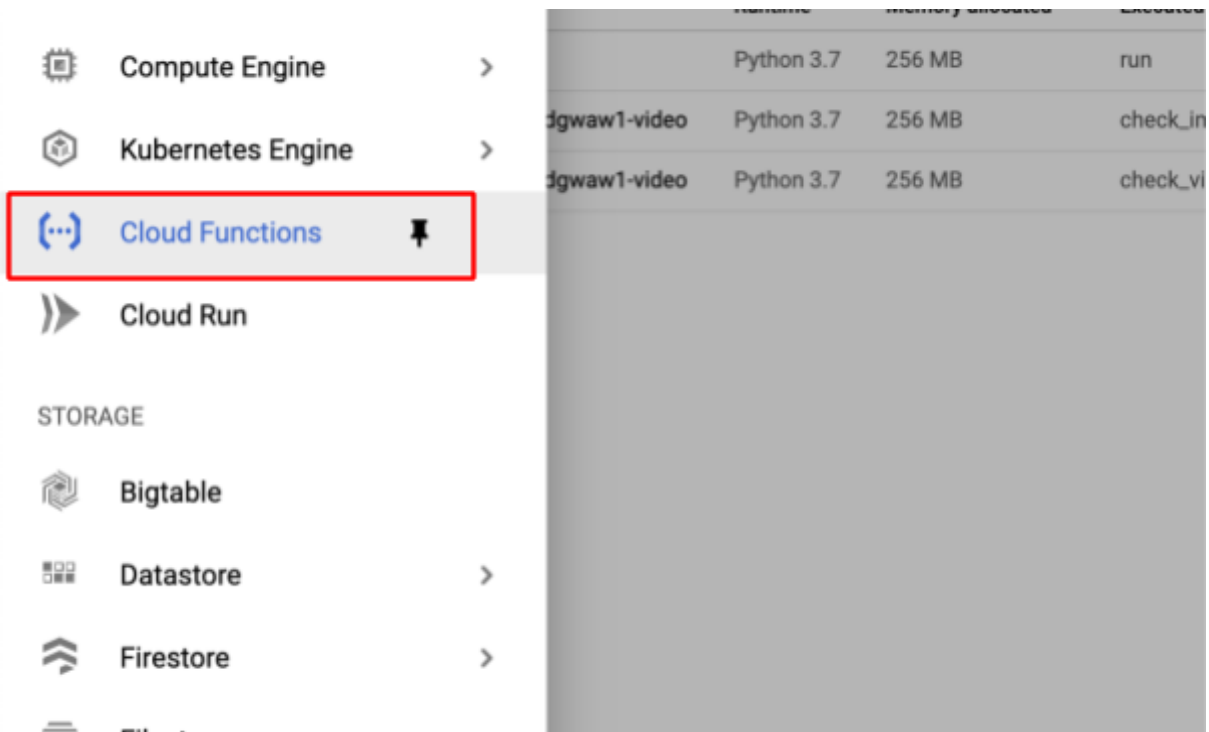


Part 6

Let's use our new model. This section will show you how to use GCS and Cloud Functions to get annotations about images.

1. Open Google Cloud Console: <https://console.cloud.google.com>
2. Go to Cloud Functions:



3. Click CREATE FUNCTION:

Overview

+

CREATE FUNCTION

REFRESH

DELETE

COPY

?

Columns ▾

	Runtime	Memory allocated	Executed function	Last deployed	
	Python 3.7	256 MB	run	12/6/19, 1:25 AM	⋮
gdgwaw1-video	Python 3.7	256 MB	check_image	12/7/19, 2:29 PM	⋮
gdgwaw1-video	Python 3.7	256 MB	check_video	12/7/19, 4:01 PM	⋮

4. Choose Runtime Python 3.7:

Trigger

HTTP

URL

<https://us-central1-gdgwaw1.cloudfunctions.net/function-4>

Authentication

☒ Allow unauthenticated invocations

Check this if you are creating a public API or website.

This is a shortcut to assign the IAM Invoker role to the special identifier allUsers. You can use IAM to edit this setting after the function is created.

Source code

- ☒ Inline editor
- ☐ ZIP upload
- ☐ ZIP from Cloud Storage
- ☐ Cloud Source repository

Runtime

Python 3.7

5. Open `~/gdgwarsaw2019/tables/cf.py` copy all and paste to `main.py` in Cloud Functions. Change field *Function to execute to* **run**:

main.py requirements.txt

```
1 def predict(inputs):
2     project_id = 'gdgwaw1'
3     compute_region = 'us-central1'
4     model_display_name = 'tebles'
5     print("Input: "+str(inputs))
6     from google.cloud import automl_v1beta1 as automl
7     client = automl.TablesClient(project=project_id,
8                                   region=compute_region)
9     print("Client OK")
10    response = client.predict(model_display_name=model_display_name,
11                              inputs=inputs)
12    print("Response OK")
13    # response = ""
14    # for result in response.payload:
15    #     response = response+"Predicted class name: {}".format(result.class_name)
16    #     response = response+"Predicted class score: {}".format(result.class_score)
17    return response.payload
18
19 def checkint(val):
20     try:
21         int(val)
22         return True
23     except ValueError:
24         return False
25
```

Function to execute ?

run

6. Fill **project_id** and **model_id** variables.
7. Add to requirements.txt - **google-cloud-automl==0.7.1**
8. Click **CREATE**
9. Wait for deployment
10. After deployment click name of function:

<input type="checkbox"/>	<input checked="" type="checkbox"/>	function-3	us-central1	Bucket: gdgwaw1-video	Python 3.7	256 MB	check_vid
<input type="checkbox"/>	<input checked="" type="checkbox"/>	function-4	us-central1	HTTP	Python 3.7	256 MB	check_ima

11. Choose Trigger:

General Trigger Source Testing

Invocations ▾

12. Copy URL:

Trigger type

HTTP

URL

<https://us-central1-gdgwaw1.cloudfunctions.net/function-4> 

13. Add to url:

[?Age=54&Balance=1173&Campaign=8&Contact=telephone&Day=12&Default=false&Duration=128&Education=primary&Housing=false&Job=blue-collar&Loan=false&MaritalStatus=married&Month=aug&PDays=-1&POutcome=unknown&Previous=0](https://us-central1-gdgwaw1.cloudfunctions.net/function-4?Age=54&Balance=1173&Campaign=8&Contact=telephone&Day=12&Default=false&Duration=128&Education=primary&Housing=false&Job=blue-collar&Loan=false&MaritalStatus=married&Month=aug&PDays=-1&POutcome=unknown&Previous=0)

14. The example of proper URL is shown below:

<https://us-central1-gdgwaw1.cloudfunctions.net/function-1?Age=54&Balance=1173&Campaign=8&Contact=telephone&Day=12&Default=false&Duration=128&Education=primary&Housing=false&Job=blue-collar&Loan=false&MaritalStatus=married&Month=aug&PDays=-1&POutcome=unknown&Previous=0>