PYTHON ON GOOGLE CLOUD PLATFORM
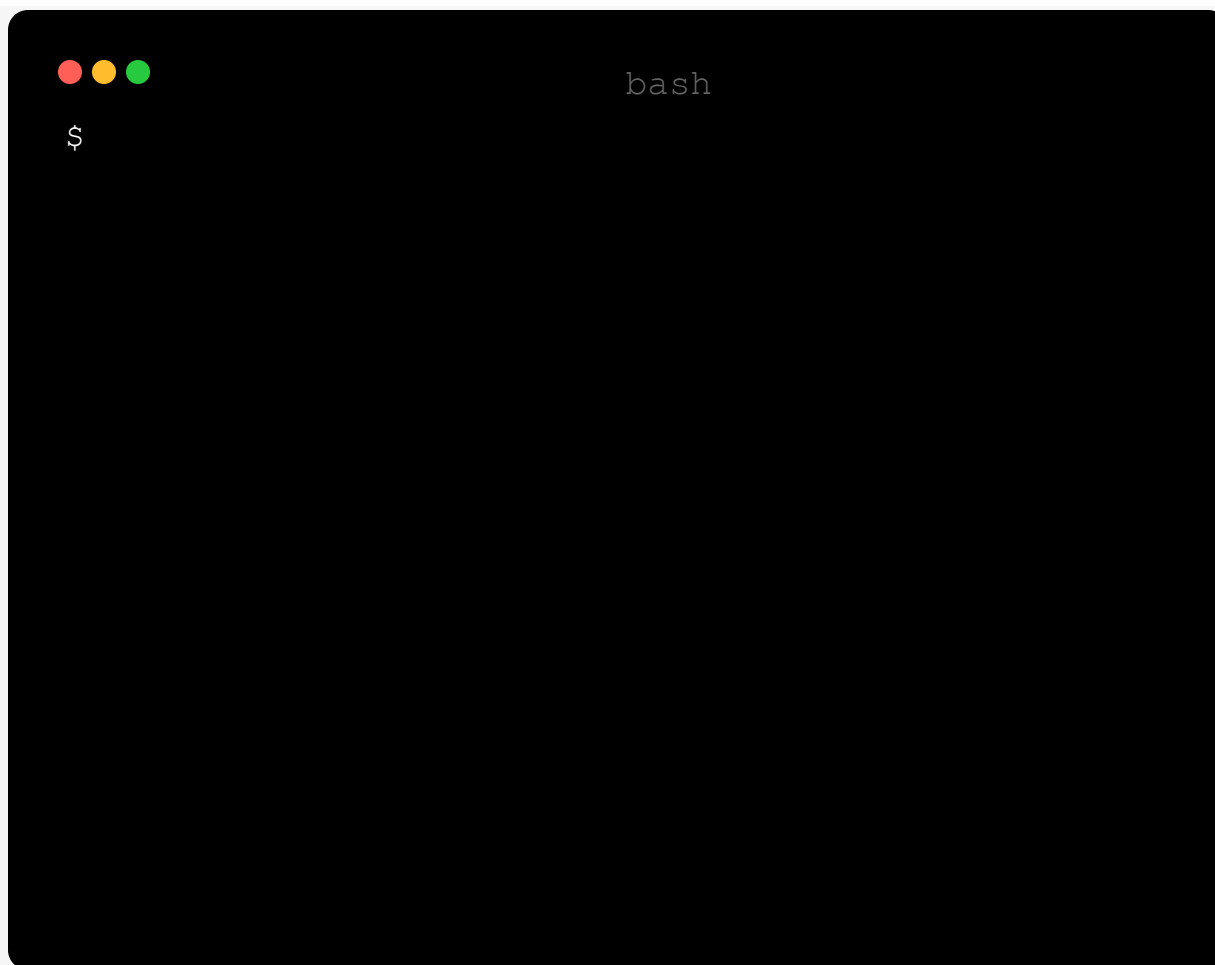
TRY IT FREE (HTTPS://CONSOLE.CLOUD.GOOGLE.COM/FREETRIAL)

VIEW DOCUMENTATION (HTTPS://CLOUD.GOOGLE.COM/PYTHON/DOCS/)

Build, deploy, and monitor Python apps at scale. Use Google's APIs to get actionable insights from your data.

✓ Dynamically scale capacity up or down according to traffic

✓ Build, deploy, and manage containerized applications

✓ Debug and fix issues quickly

✓ Provision custom virtual machines or go serverless

✓ Perform data analysis or build machine learning models using powerful APIs

```
○ ○ ○                                    bash

$
```

A BROAD SET OF PYTHON APIs AND LIBRARIES FOR BOTH DEVELOPERS AND DATA SCIENTISTS

Store and retrieve data from Cloud Storage   ⌃

1 **Install**

```
pip install google-cloud-storage
```

2 **Set up a Cloud Platform Console project**

Sign in (https://accounts.google.com/Login) to your Google Account.

If you don't already have one, sign up for a new account
(https://accounts.google.com/SignUp).

Set up a Cloud Console project.

SET UP A PROJECT

Click to:

- Create or select a project.
- Enable the Cloud Storage API for that project.
- Create a service account.
- Download a private key as JSON.

You can view and manage these resources at any time in the Cloud Console
(https://console.cloud.google.com/).

3 **Write your code**

N-DOCS-SAMPLES/BLOB/MASTER/STORAGE/CLOUD-CLIENT/STORAGE_UPLOAD_FILE.PY)

```
from google.cloud import storage
```

```
def upload_blob(bucket_name, source_file_name, destination_blob_name):
    """Uploads a file to the bucket."""
    # bucket_name = "your-bucket-name"
    # source_file_name = "local/path/to/file"
    # destination_blob_name = "storage-object-name"

    storage_client = storage.Client()
    bucket = storage_client.bucket(bucket_name)
    blob = bucket.blob(destination_blob_name)

    blob.upload_from_filename(source_file_name)

    print(
        "File {} uploaded to {}.".format(
            source_file_name, destination_blob_name
        )
    )
```

Query public data using BigQuery   ⌄

Analyze images with Cloud Vision API   ⌄

Extract meaning from text using Cloud Natural Language API   ⌄

PYTHON QUICK STARTS

App Engine

Deploy, manage, and scale web applications and APIs with ease in Google's PaaS.

QUICKSTART

(https://cloud.google.com/appengine/docs/python/)

Kubernetes Engine

Use Kubernetes to build powerful container-based application.

QUICKSTART

(https://cloud.google.com/python/django/kubernetes-engine)

Compute Engine

Use cloud-based virtual machines to build and deploy your application.

QUICKSTART

(https://cloud.google.com/compute/docs/tutorials/python-guide)

Google APIs

Learn how to unlock Google's APIs and services using these APIs and Python Libraries.

QUICKSTART

(https://cloud.google.com/python/apis)
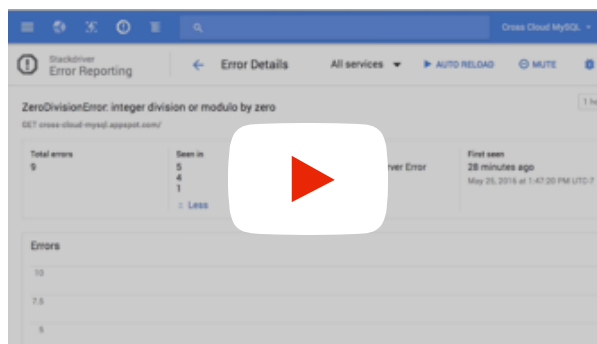
Quickly find and Debug issues

Google Stackdriver provides powerful monitoring, logging, and diagnostics. It equips you with insight into the health, performance, and availability of cloud-powered applications,

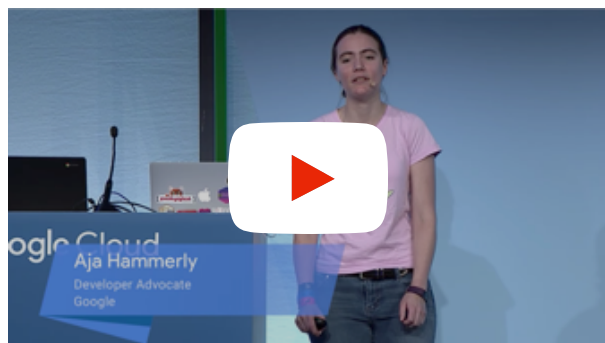enabling you to find and fix issues faster.

Google Stackdriver

Unified monitoring, logging, and diagnostics for applications on Google Cloud Platform and AWS.

Stackdriver Error Reporting

A walk through of getting an error alert and investigating the error in the Google Cloud Console.

Stackdriver Monitor, diagnose, and fix

In this video, Aja Hammerly uses Stackdriver to find and fix some subtle errors in an example app, and you'll learn how to use Stackdriver on your own projects.

Learn more

Tutorials

Python guides and walkthroughs

LEARN MORE

(https://cloud.google.com/python/tutorials)

Articles

Python blog posts and coverage

LEARN MORE

(https://www.google.com/search?
q=site%3Acloudplatform.googleblog.com%20py
thon)

APIs & Libraries

Python client libraries

LEARN MORE

(https://cloud.google.com/python/samples)

Tools

Python Cloud SDK

LEARN MORE

(https://cloud.google.com/sdk)

PYTHON ON GCP COMMUNITIES

Got something to say? Join our community to ask questions, or just chat with the experts
at Google who help build the support for Python on Google Cloud Platform.

JOIN THE CONVERSATION

(https://github.com/GoogleCloudPlatform?
utf8=%E2%9C%93&q=python&type=&language
=)

JOIN THE CONVERSATION

(https://stackoverflow.com/search?
q=gcloud+python)

JOIN THE CONVERSATION

(https://groups.google.com/forum/#!forum/de
v-python)

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