Cloud Onboarding for GCP

GCP (Google Cloud Platform)

The Google Cloud is a smaller player in the cloud world, but they have a unique offering like access to Tensorflow based AutoML systems and deep integration into edge-based workflows using TFHub[56] and Coral.AI[57]

GCP Educational Resources

There is a lot to like for educators in the GCP cloud platform. One excellent option is students and Faculty can request free training lab credits and courses through Google Education[58]. All educational institutions teaching cloud computing should take advantage of these free resources.

- GCP Free Tier Personal account[59]

The Google Cloud has a generous Free Tier, just like the other cloud providers.

- Qwiklabs[60]

Qwiklabs is an incredible resource for both teaching and exploration, and Google owns it. Students and Faculty can get free credits through a web request form[61].

- On-demand training courses with Coursera

Students and Faculty can receive free credits for Coursera courses that directly map to Google Cloud Certifications. Students and Faculty can get free credits through a web request form[62].

Onboard to GCP (Google Cloud Platform)

What is Continuous Delivery (CD) and Why Do It?

Learn what Continuous Delivery (CD) is in the screencast.

Video Link: https://www.youtube.com/watch?v=0IAcF4cfGmI

[56] https://tfhub.dev
[57] https://coral.ai
[58] https://edu.google.com/programs/faculty/benefits
[59] https://cloud.google.com/free
[60] https://www.qwiklabs.com/
[61] https://edu.google.com/programs/faculty/training-benefits/
[62] https://edu.google.com/programs/faculty/training-benefits/

Introduction to Google Cloud Shell

Learn what Google Cloud Shell is and how to use it in this screencast. The source code for the tutorial is in this Github Repo[63].

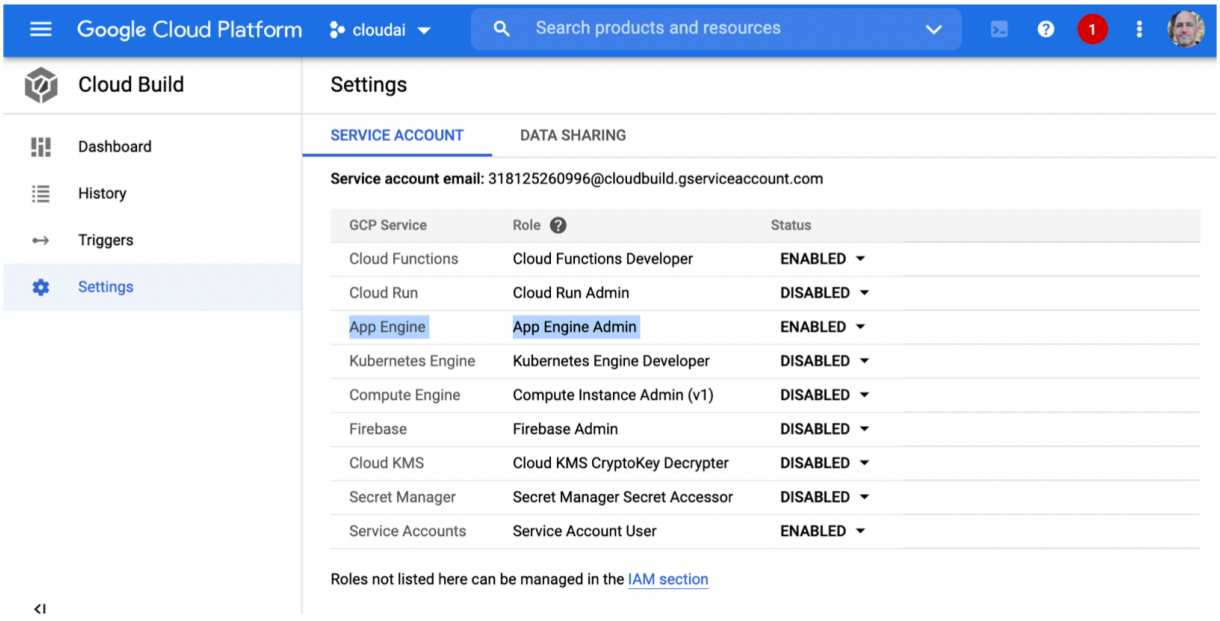
Video Link: https://www.youtube.com/watch?v=_NgXtlRKbnw[64]

A few highlights to remember are:
Steps to run

```
gcloud app create
gcloud app deploy
```

Gotchas/How To

1. Fork the repo
2. Setup trigger in Cloud Build
3. Make sure you enable these settings



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Continuous Delivery of GCP Google App Engine

One unique feature of Google is GAE or Google App Engine. Learn how to use it to perform Continuous Delivery of a Flask application.

Video Link: https://www.youtube.com/watch?v=2BJSUlaKMjQ[65]

[63] https://github.com/noahgift/gae-continuous-delivery
[64] https://www.youtube.com/watch?v=_NgXtlRKbnw
[65] https://www.youtube.com/watch?v=2BJSUlaKMjQ