# GAE vs Firebase, eligiendo nubes

Esteban Dorado

@Mr_Esti


**DevFest Burgos 2016**

GDG Granada

BEEVA

@Mr_Esti

# Material

- https://github.com/mresti/workshop-gae-vs-firebase


5:00
Google
Play
Play Store
Google
Create

Source: https://www.flickr.com/photos/jazbeck/6176305116

# Firebase

# What is Firebase?

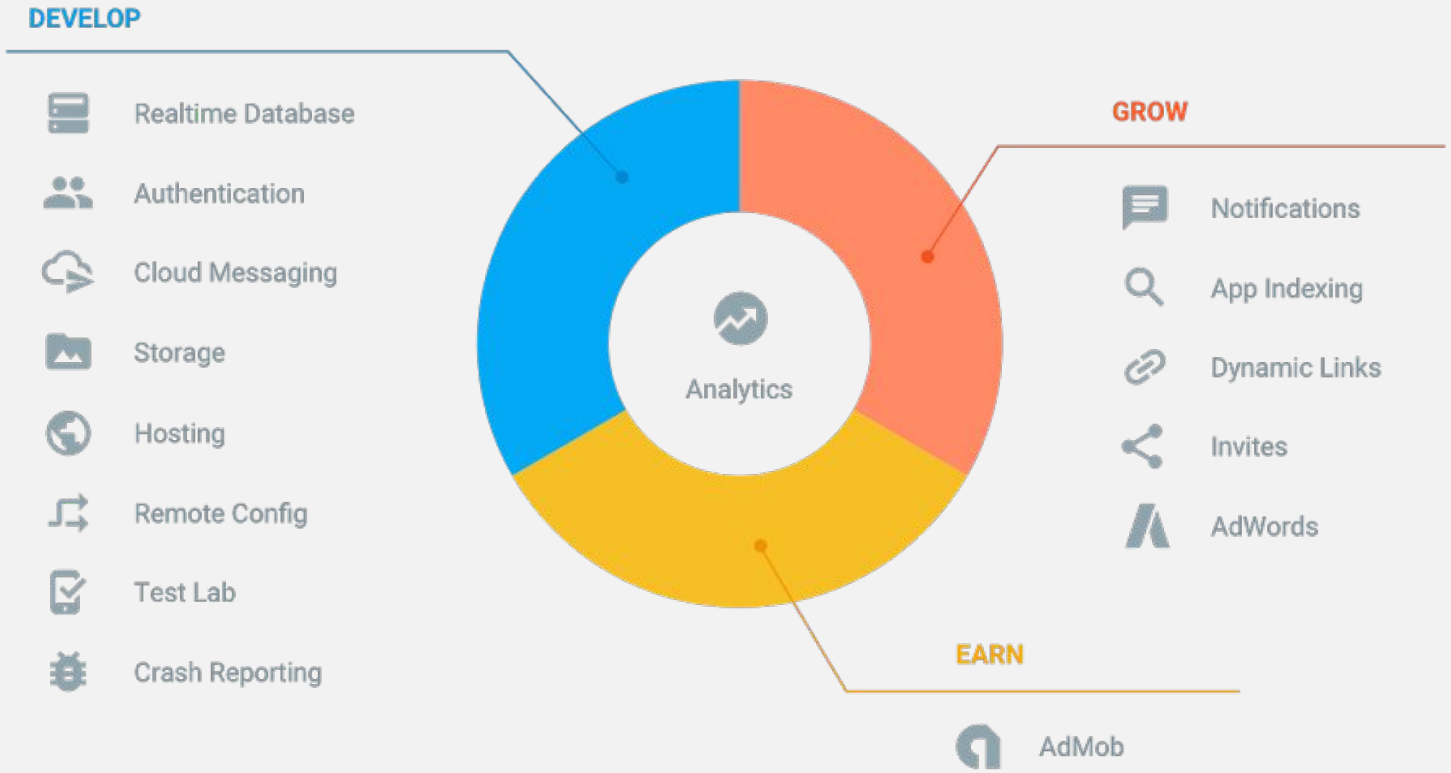
Client

Real Time Database

Authentication

Hosting

# Firebase Today

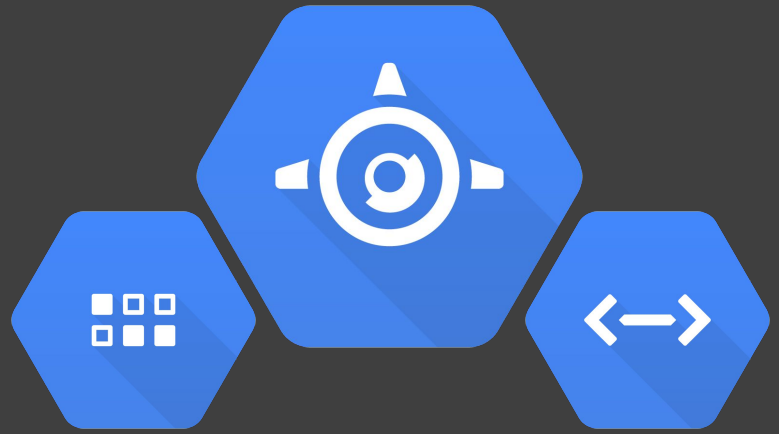


# Firebase Exercise

# Firebase Exercise

**CODELAB:**
https://codelabs.developers.google.com/codelabs/firebase-web/

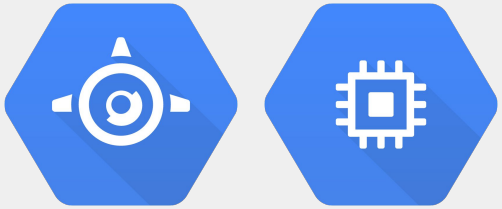
**Authentication Only!!**



# Google App Engine

# Google Cloud Platform

## Compute



App Engine (PaaS)

Compute Engine (IaaS)

## Storage


Cloud Storage

Cloud SQL

Cloud Datastore

## Services

BigQuery

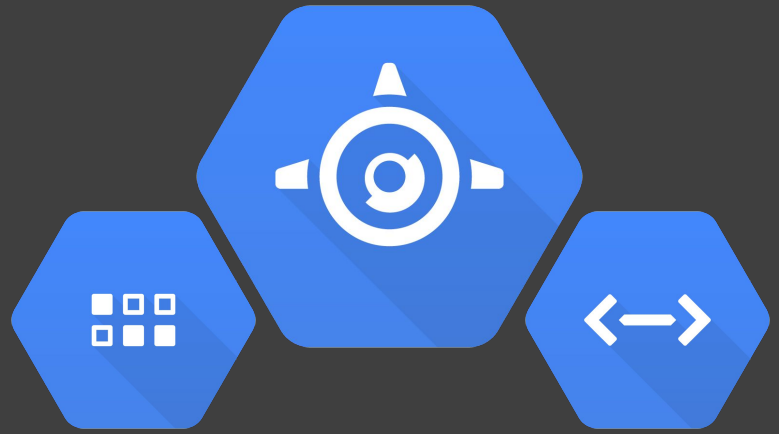
Cloud Endpoints

# Google App Engine

**Scalability**

**Develop**


**Dashboard**



# Google App Engine Exercise

# GAE Exercise

**CODELAB:**
https://cloud.google.com/appengine/docs/python/getting-started/creating-guestbook

**Authentication Only!!**

# GAE: Auth

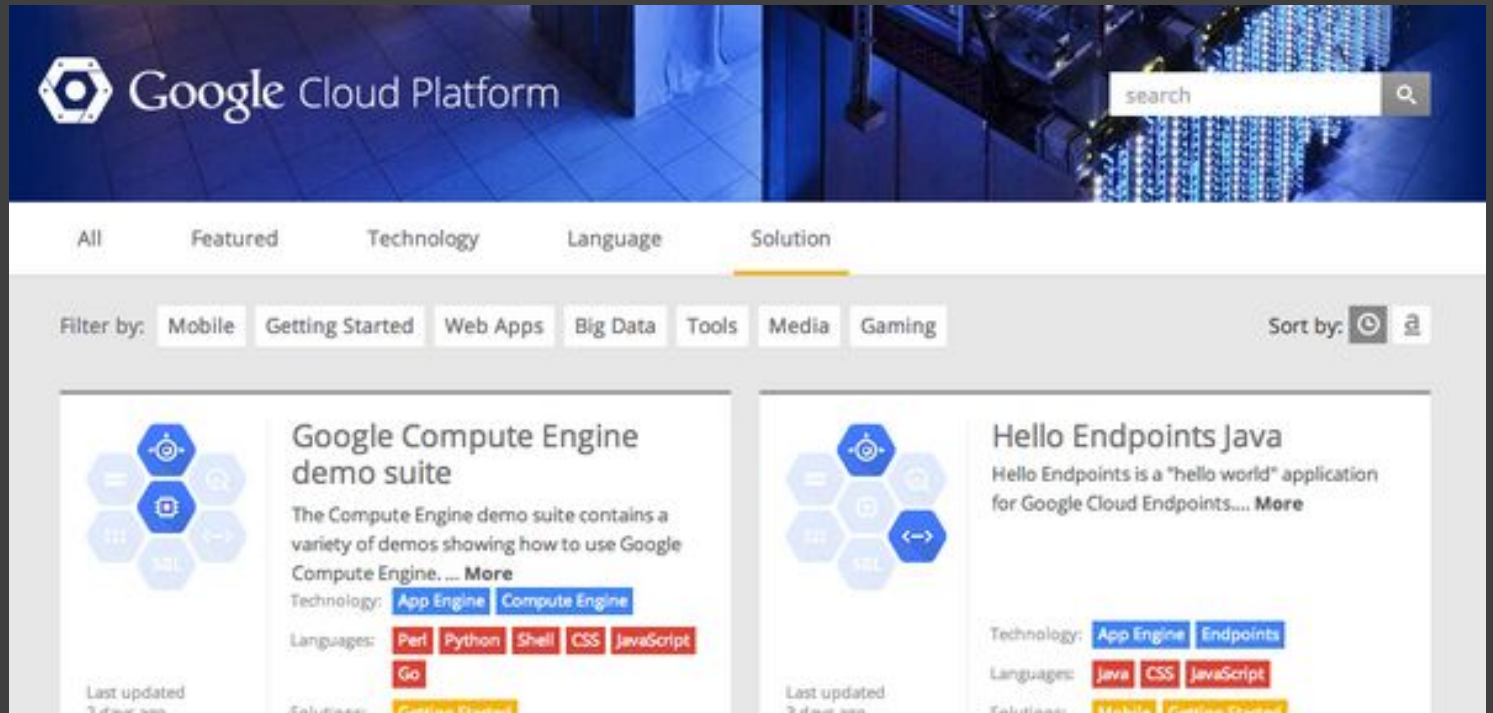
```
class MainPage(webapp2.RequestHandler):
  def get(self):
    guestbook_name = self.request.get('guestbook_name',
                                      DEFAULT_GUESTBOOK_NAME)
    greetings_query = Greeting.query(
        ancestor=guestbook_key(guestbook_name)).order(-Greeting.date)
    greetings = greetings_query.fetch(10)
    user = users.get_current_user()
    if user:
      url = users.create_logout_url(self.request.uri)
      url_linktext = 'Logout'
    else:
      url = users.create_login_url(self.request.uri)
      url_linktext = 'Login'
    template_values = {
      'user': user,
      'greetings': greetings,
      'guestbook_name': urllib.quote_plus(guestbook_name),
      'url': url,
      'url_linktext': url_linktext,
    }
    template = JINJA_ENVIRONMENT.get_template('index.html')
    self.response.write(template.render(template_values))
```

VS

| | GOOGLE APP ENGINE | FIREBASE |
|---|---|---|
| Authentication | Google, OAuth | Email, Google, Facebook, Github, Twitter, custom auth, anonymous. |
| Database | NOSQL usign Cloud Datastore, Cloud Storage, Cloud SQL | Database as API JSON |
| SUPPORT OFFLINE | NO | YES |
| DATABASE REAL TIME | NO | YES |
| API | NO, but using Google Cloud Endpoint YES | YES |

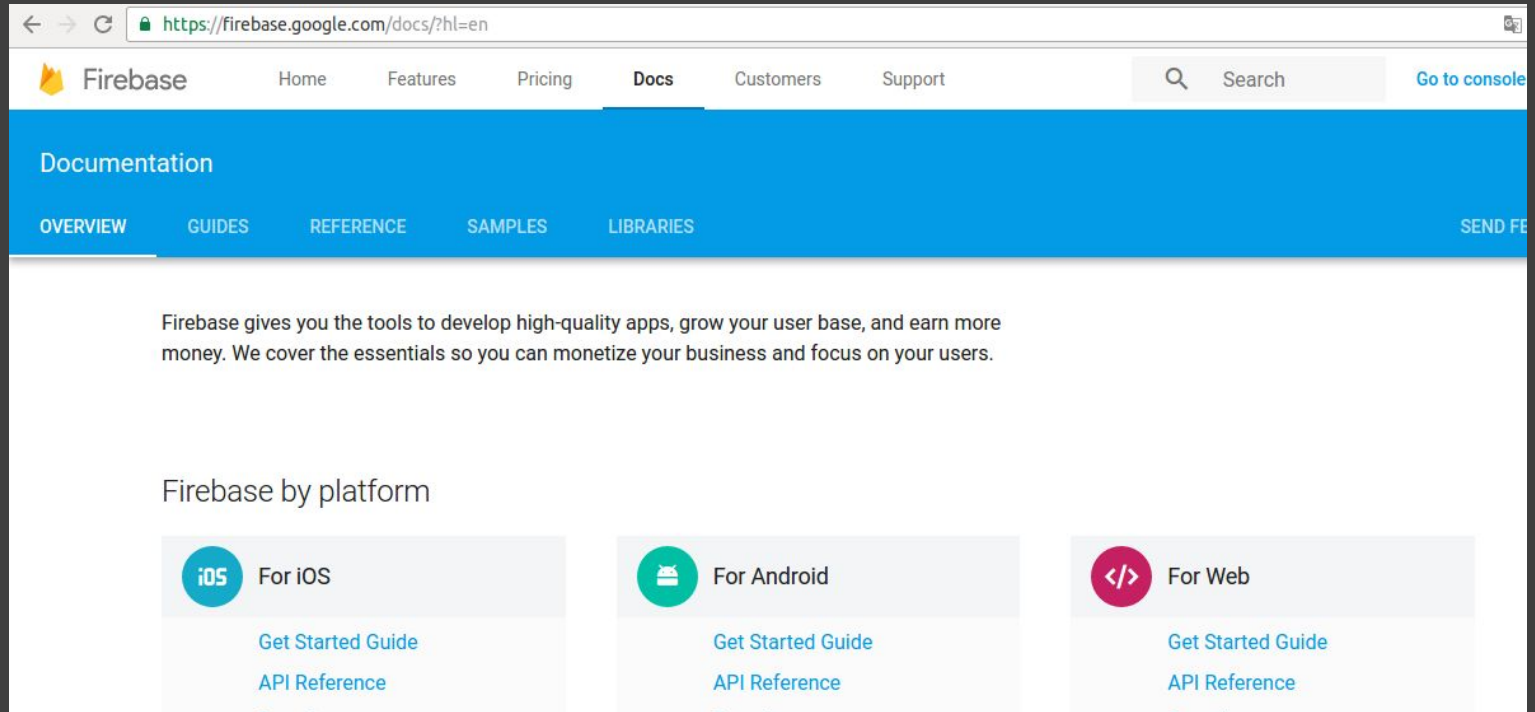
# Resources

http://googlecloudplatform.github.io/



# Resources

https://firebase.google.com/docs/?hl=en




Q&A

GDG Spain

# <thank-you>

@Mr_Esti @GDG_ES