

# GAE vs Firebase, eligiendo nubes

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DevFest Burgos  
2016





GDG Granada



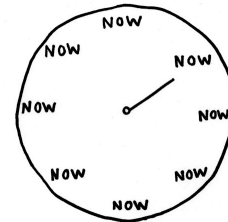
**B E E V A**

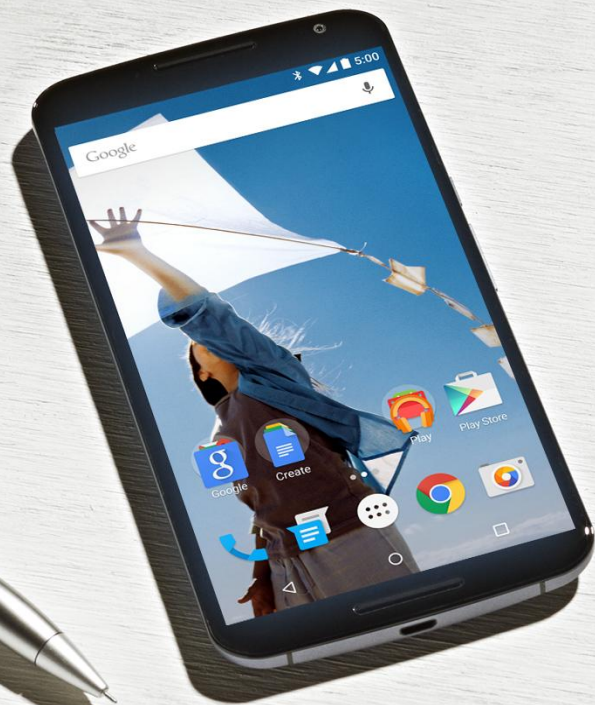
@Mr\_Esti

# Material

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

**TIME?**











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



# Firebase





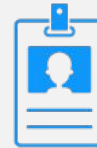
# What is Firebase?



Client



Real Time Database



Authentication



Hosting











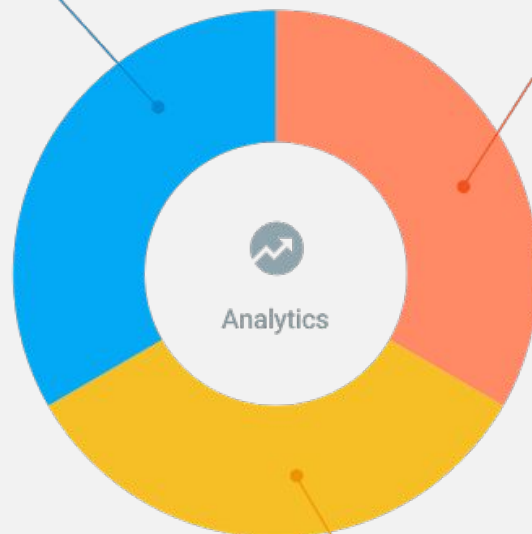









# Firebase Today

## DEVELOP

-  Realtime Database
-  Authentication
-  Cloud Messaging
-  Storage
-  Hosting
-  Remote Config
-  Test Lab
-  Crash Reporting



## GROW

-  Notifications
-  App Indexing
-  Dynamic Links
-  Invites
-  AdWords

## EARN







# Firestore Exercise



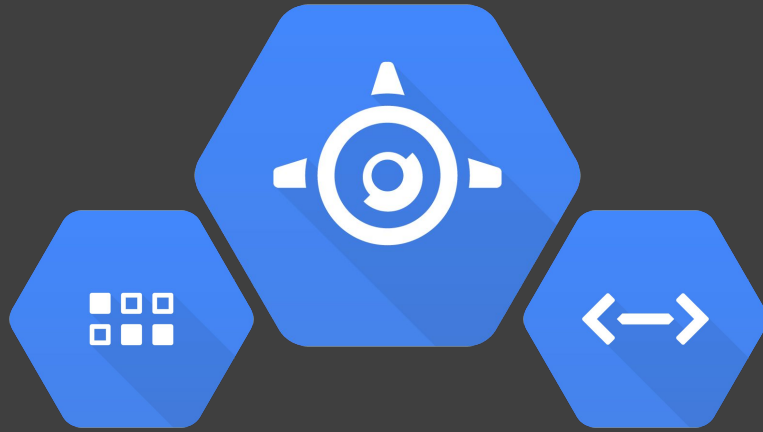


# Firestore Exercise

## **CODELAB:**

<https://codelabs.developers.google.com/codelabs/firebase-web/>

**Authentication Only!!**



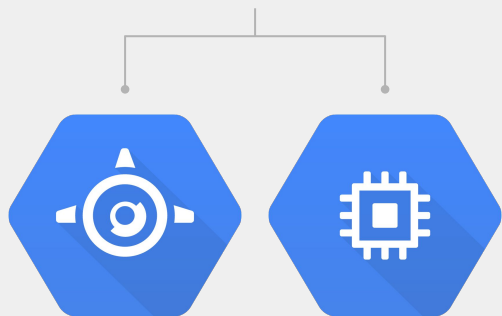
# Google App Engine



# Google Cloud Platform



## Compute



App Engine  
(PaaS)

Compute Engine  
(IaaS)

## Storage

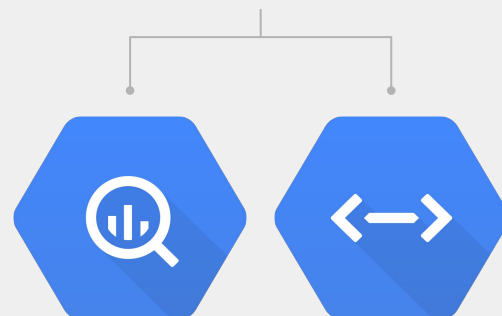


Cloud Storage

Cloud SQL

Cloud Datastore

## Services



BigQuery

Cloud Endpoints



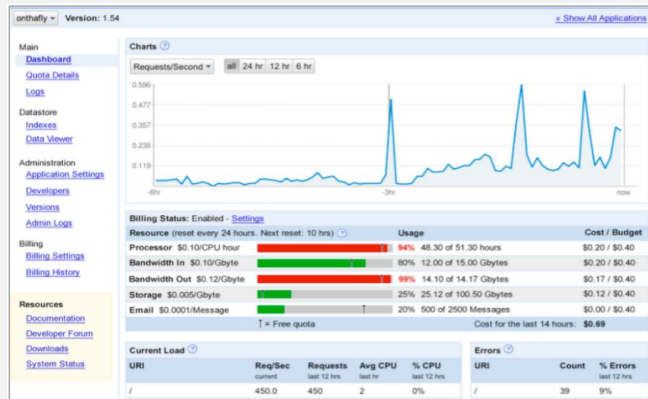
# Google App Engine



**Scalability**

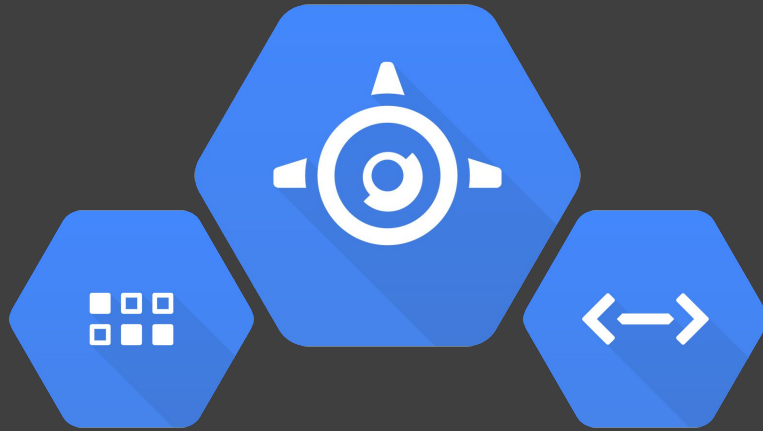


**Develop**



**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))
```





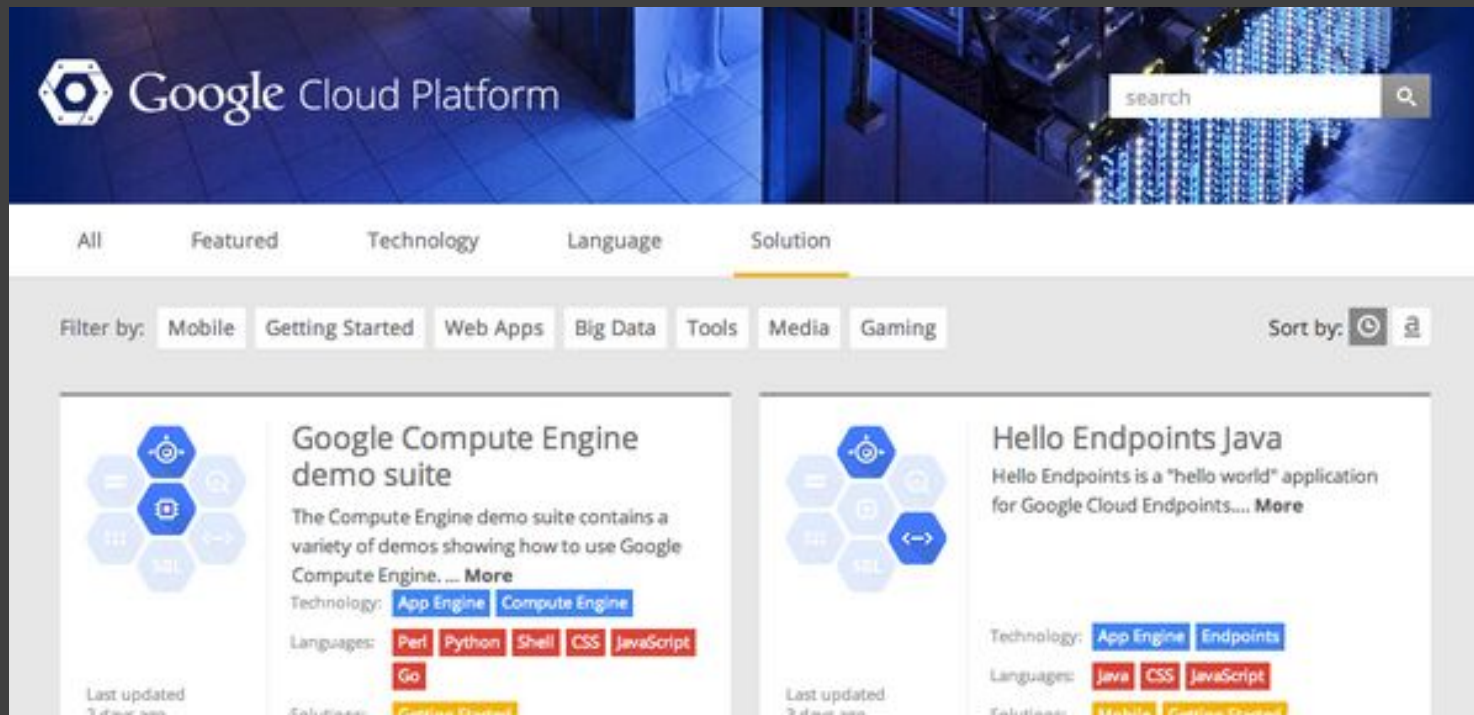
VS



	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/>



The screenshot shows the GitHub repository page for Google Cloud Platform. The header features the Google Cloud Platform logo and a search bar. Below the header is a navigation bar with tabs: All, Featured, Technology, Language, and Solution. The 'Solution' tab is selected. Below the navigation bar is a filter bar with buttons for Mobile, Getting Started, Web Apps, Big Data, Tools, Media, and Gaming. To the right of the filter bar is a 'Sort by' dropdown menu. The main content area displays two featured solutions. The first is 'Google Compute Engine demo suite', which includes a description, a 'More' link, and tags for Technology (App Engine, Compute Engine), Languages (Perl, Python, Shell, CSS, JavaScript, Go), and Solutions (Getting Started). The second is 'Hello Endpoints Java', which includes a description, a 'More' link, and tags for Technology (App Engine, Endpoints), Languages (Java, CSS, JavaScript), and Solutions (Mobile, Getting Started).

Google Cloud Platform

search

All Featured Technology Language **Solution**

Filter by: Mobile Getting Started Web Apps Big Data Tools Media Gaming

Sort by: [icon] [icon]

**Google Compute Engine demo suite**

The Compute Engine demo suite contains a variety of demos showing how to use Google Compute Engine. ... [More](#)

Technology: [App Engine](#) [Compute Engine](#)

Languages: [Perl](#) [Python](#) [Shell](#) [CSS](#) [JavaScript](#) [Go](#)

Solutions: [Getting Started](#)

Last updated 3 days ago

**Hello Endpoints Java**

Hello Endpoints is a "hello world" application for Google Cloud Endpoints.... [More](#)

Technology: [App Engine](#) [Endpoints](#)

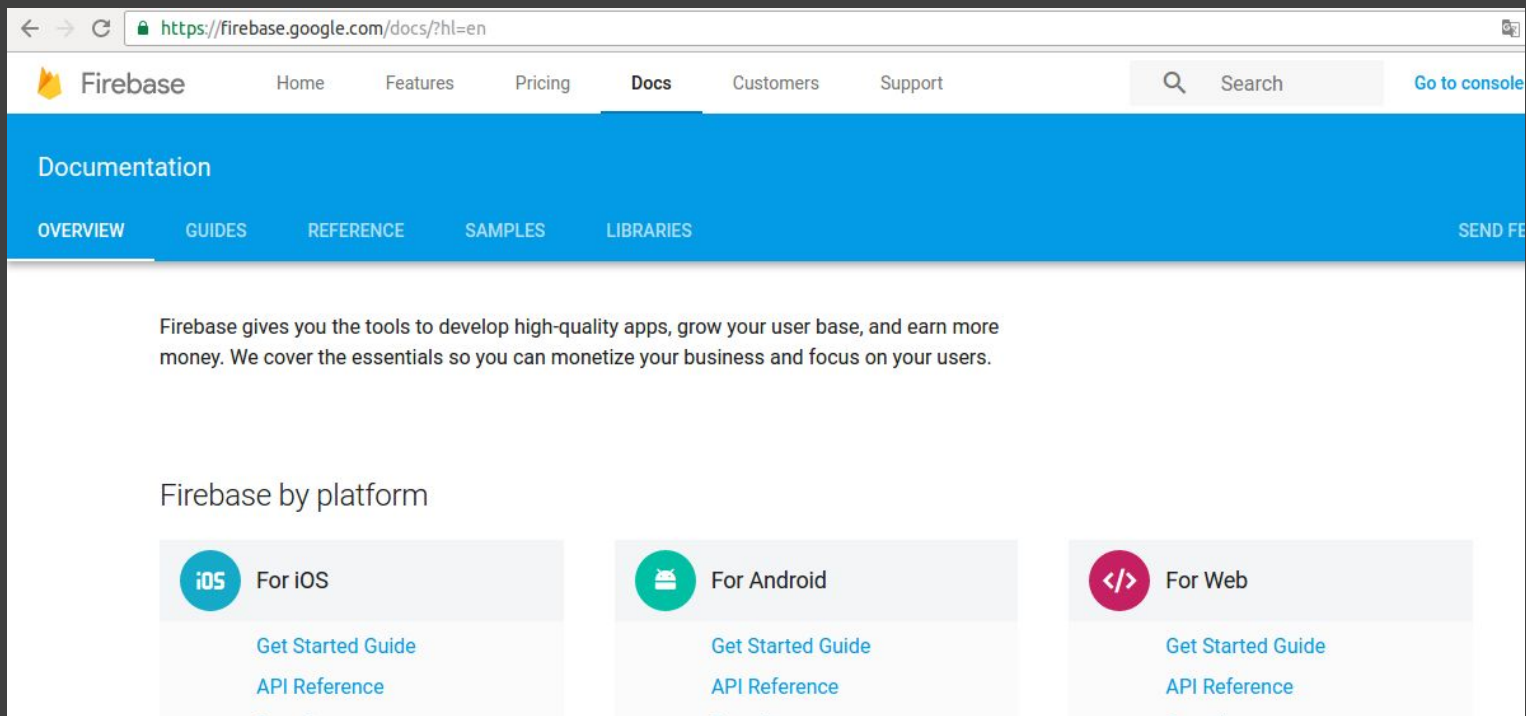
Languages: [Java](#) [CSS](#) [JavaScript](#)

Solutions: [Mobile](#) [Getting Started](#)

Last updated 3 days ago


# Resources

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



The screenshot shows the Firebase documentation website. The browser's address bar displays the URL <https://firebase.google.com/docs/?hl=en>. The website's navigation bar includes the Firebase logo, links for Home, Features, Pricing, Docs (which is the active tab), Customers, and Support. A search bar and a link to 'Go to console' are also present. Below the navigation bar, a blue banner reads 'Documentation'. Underneath this banner, a secondary navigation bar lists 'OVERVIEW', 'GUIDES', 'REFERENCE', 'SAMPLES', and 'LIBRARIES'. The main content area begins with a paragraph: 'Firebase gives you the tools to develop high-quality apps, grow your user base, and earn more money. We cover the essentials so you can monetize your business and focus on your users.' This is followed by a section titled 'Firebase by platform'. This section contains three cards: 'For iOS' with an iOS icon, 'For Android' with an Android icon, and 'For Web' with a code icon. Each card provides links to a 'Get Started Guide' and an 'API Reference'.

← → ↻ <https://firebase.google.com/docs/?hl=en>


 **Firebase** Home Features Pricing **Docs** Customers Support 🔍 Search [Go to console](#)


Documentation


OVERVIEW GUIDES REFERENCE SAMPLES LIBRARIES [SEND FEEDBACK](#)

Firebase gives you the tools to develop high-quality apps, grow your user base, and earn more money. We cover the essentials so you can monetize your business and focus on your users.

Firebase by platform

 **For iOS**  
[Get Started Guide](#)  
[API Reference](#)

 **For Android**  
[Get Started Guide](#)  
[API Reference](#)

 **For Web**  
[Get Started Guide](#)  
[API Reference](#)

# Q&A





**<thank-you>**

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