Getting Into Production

Chapter 10

Google App Engine Hosting

- We choose App Engine as a development environment because we can use Google’s infrastructure for hosting
- Google makes the rules - and we learn them

http://code.google.com/appengine/docs/quotas.html
Activating Your App Engine

- You must have a Google account (i.e. GMail)
- Add App Engine to the account
  - http://appengine.google.com
- Will require a SMS-Capable phone and number

When you run out...

The cost for computing resources is as follows:

<table>
<thead>
<tr>
<th>Resource</th>
<th>Unit</th>
<th>Unit cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outgoing Bandwidth</td>
<td>gigabytes</td>
<td>$0.12</td>
</tr>
<tr>
<td>Incoming Bandwidth</td>
<td>gigabytes</td>
<td>$0.10</td>
</tr>
<tr>
<td>CPU Time</td>
<td>CPU hours</td>
<td>$0.10</td>
</tr>
<tr>
<td>Stored Data</td>
<td>gigabytes per month</td>
<td>$0.15</td>
</tr>
<tr>
<td>Recipients</td>
<td>recipients</td>
<td>$0.0001</td>
</tr>
</tbody>
</table>

Outgrowing the maximum? Request an increase.

http://code.google.com/appengine/docs/quotas.html

http://code.google.com/appengine/docs/billing.html
Making a New Application

Modify app.yaml

application: ae-12-ajax
version: 1
runtime: python
api_version: 1

handlers:
- url: /static
  static_dir: static

- url: /_ah/admin.*
  script: $PYTHON_LIB/google/appengine/ext/admin
  login: admin

- url: /.*
  script: index.py
Yes - it is actually very easy to use. (noah) Thu 01 Jan 2009
Very cool - have you tested the new version feature yet? (casev) Thu 01 Jan 2009
We are up and running on appspot! (noah) Thu 01 Jan 2009

Note - You must enter the Entity Kind (there is no drop-down)
New Version...

- Make changes locally - re-upload to replace your code on the server
- You can have multiple versions going at one time and control which is active by changing the version number in the app.yaml

application: ae-12-ajax
version: 1
runtime: python
api_version: 1

handlers:
- url: /static
  static_dir: static
- url: /admin/.*
  script: $PYTHON_LIB/google/appengine/ext/admin
  login: admin
- url: /.*
  script: index.py

Normally when you upload, it replaces the copy you have - unless you change the version - changing the version is rare.
Google Analytics

- Free Google service to track usage of your site
- Steps:
  - Setup Analytics
  - Add Javascript to your site
Sign Up for AdSense

- Add to your Google Account
- Will need identity - will call you on the phone
- Once you make revenue, they will want tax information

http://www.google.com/adsense/
These are supporting materials for the O'Reilly book titled ...

Summary

- Reasonable hosting is free for up to 10 applications per Gmail account (and cell phone number)
- You can add free tracking to your site using Google Analytics
- You can make money with Google Ads - probably not a good idea for a portfolio site :)

index.htm