Postcards From Gorby Puff
Aja Hammerly
http://github.com/thagomizer/examples
@thagomizer_rb
http://www.thagomizer.com
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http://www.thagomizer.com
http://cloud.google.com/ruby

Workshop:
Tomorrow afternoon

Slack:
googlecloud-community.slack.com
Lawyer Cat Says:
Any code is copyright Google and licensed Apache V2
WHERE IN THE WORLD IS GORBY PUFF?
Hanging out with my new stone friend. He tells me that cars are high in iron.

I like sitting on his head and chirping at birds that fly by. One day I’ll catch one. One day.

- Gorby
WHERE IS GORBY?
Google Cloud Vision
gem install gcloud
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", 
  "./private-key.json")

v = gc.vision
i = v.image "./postcard-one.jpg"
a = v.annotate i, landmarks: 1

puts "Description:"
puts a.landmark.description
puts "Location:"
puts a.landmark.locations
require "gcloud/vision"

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v = gc.vision
i = v.image "./postcard-one.jpg"
a = v.annotate i, landmarks: 1

puts "Description:"
puts a.landmark.description
puts "Location:"
puts a.landmark.locations
Description: Fremont Troll

Location: 47.651 -122.347338
Is it a dog? Is it a rat? It has such a pointy face. What kind of animal is this? Figure it out to find me!

Gorby
Label Detection
cat
pet
black
mammal
animal
play
small to medium sized cats
tabby cat
cat like mammal
bengal
snow
mountain
weather
winter
piste
geological phenomenon
season
adventure
transport
bus
vehicle
double decker bus
tour bus service
commercial vehicle
land vehicle
mode of transport
engine
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", 
    ".\private-key.json")

v = gc.vision
i = v.image "./postcard-two.jpg"

a = v.annotate i, labels: 10

puts "Labels"
a.labels.each { |l| puts l.description }
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby",
                "./private-key.json")

v = gc.vision
i = v.image "./postcard-two.jpg"
a = v.annotate i, labels: 10

puts "Labels"
a.labels.each { |l| puts l.description }
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", 
                ".private-key.json")

v = gc.vision
i = v.image "./postcard-two.jpg"
a = v.annotate i, labels: 10

puts "Labels"
a.labels.each { |l| puts l.description }
mammal
animal
vertebrate
wombat
I saw a cat matching that description. He told me to give you this.
Tenderlove left a list of countries he likes to visit laying around our apartment.

Do you have any idea what this sign says?

Gorby
Text Detection
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", 
    
    
"./private-key.json")

v = gc.vision
i = v.image "/postcard-three.jpg"
a = v.annotate i, text: 1

puts "Text"
puts a.text.text
puts "Locale"
puts a.text.locale
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", ".:/private-key.json")

v = gc.vision
i = v.image ".:/postcard-three.jpg"
a = v.annotate i, text: 1

puts "Text"
puts a.text.text
puts "Locale"
puts a.text.locale
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", 
  "./private-key.json")

v = gc.vision
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gc = Gcloud.new("postcards-from-gorby", 
  "/private-key.json")

v = gc.vision
i = v.image "/postcard-three.jpg"
a = v.annotate i, text: 1

puts "Text"
puts a.text.text
puts "Locale"
puts a.text.locale
きたはま

北浜

B76

げんせいかえん
Genseikaen

もこと
Mokoto
Text

! きたはま .ph
B
浜76
Kitahama
げんせいかえん もこと,
Genseikaen
Mokoto
は浜 も
IIIU 줄wraaaa aasa WERESPE

Locale
ja
Translate API
gc = Gcloud.new

gct = gc.translate

r = gct.translate(text,
                   from: locale,
                   to: "en")
gc = Gcloud.new
gct = gc.translate
r   = gct.translate(text,
                     from: locale,
                     to: "en")
Kitahama ph B beach 76 Kitahama Natural Flower Garden mokoto, Genseikaen Mokoto the beach also IIIU 족 wraaaaa aasa WERESPE
THE CAT YOU ARE LOOKING FOR WAS HERE.
He's been hitting the books.
What place on earth had the hottest temperature on
I've been practicing for my pub trivia.
I'm much better at that than karaoke.

How'd I do?

Gorby
BigQuery
SQL
GSOD
Global Surface Conditions Of the Day
Schema

station_number
year
month
day
mean_temp
SELECT station_number, mean_temp
FROM [bigquery-public-data:samples.gsod]
WHERE year = 2000
    AND month = 5
    AND day = 4
ORDER BY mean_temp DESC
<table>
<thead>
<tr>
<th>station_number</th>
<th>mean_temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>610240</td>
<td>102.30000305175781</td>
</tr>
<tr>
<td>416970</td>
<td>100.0</td>
</tr>
<tr>
<td>612260</td>
<td>99.30000305175781</td>
</tr>
<tr>
<td>627700</td>
<td>99.0999984741211</td>
</tr>
</tbody>
</table>
610240
Hombori, Mali
THE CAT HAD A BALL HERE.
He told me you are almost done.

Here's the next clue.
I’ve been enjoying my world tour. Lots of people to meet and head butt. Many belly rubs. You know how it is. After all, I’m internet famous.

Last stop. Can you figure out where I am?

Gorby
require "gcloud/vision"

gc = Gcloud.new("postcards-from-gorby", "../private-key.json")

v = gc.vision
i = v.image "./postcard-five.jpg"
a = v.annotate i, landmarks: 1

puts "Description:"
puts a.landmark.description
puts "Location:"
puts a.landmark.locations
Description:
Kauffman Stadium

Location:
39.051668
-94.48034
CONGRATULATIONS

YOU'VE FOUND
GORBY PUFF!\^
Today’s Sponsors
Google Cloud Platform
Announcing...
App Engine for Ruby
App Engine for Ruby
gem install gcloud
Thank You
Aaron Patterson
Mike Moore & Chris Smith
The Google Cloud Ruby Team
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**Seattle Nov 2014 Fremont Troll** by PROMobilus In Mobili (https://www.flickr.com/photos/mobili/15225765314)

**wombat** by Rob and Stephanie Levy (https://www.flickr.com/photos/robandstephanielevy/3763877793)

**Bus line-up** by Phil Parker (https://www.flickr.com/photos/45131642@N00/14089773707/)

**Kauffman Stadium Fountains** by Jeramey Jannene (https://www.flickr.com/photos/compujeramey/14472605593)
Questions?