Seven Story Rabbit Hole

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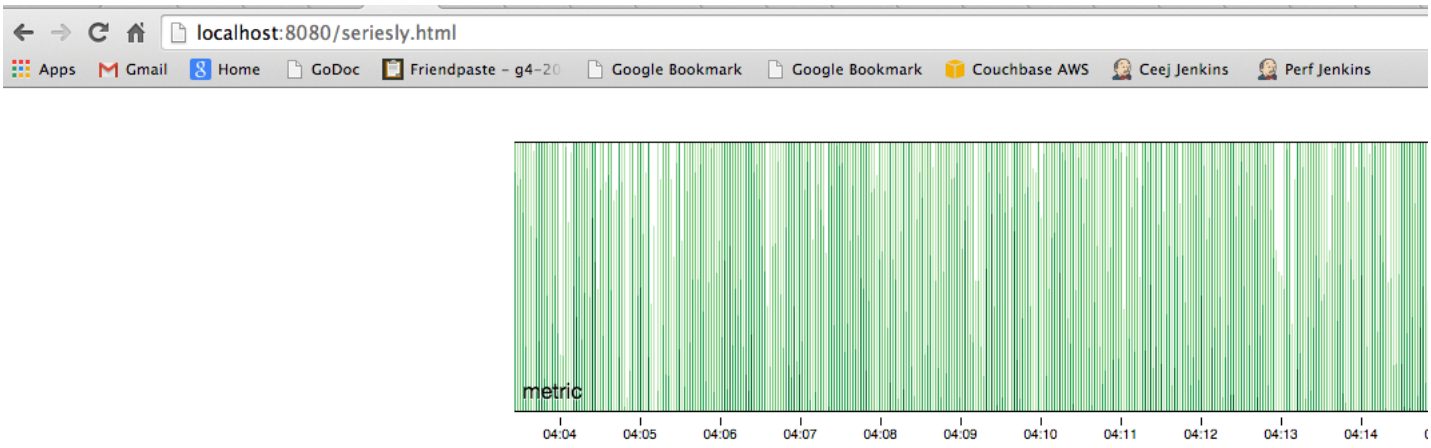
Graphing Time Series Data With Seriesly and Cubism

Mar 3rd, 2015

This will walk you through the basics of putting data into seriesly and visualizing it with cubism.

You will end up with this in your browser:



Install seriesly

```
1 go get -u -v -t github.com/dustin/seriesly
```

Run seriesly

```
1 seriesly -flushDelay=1s -root=/tmp/seriesly-data
```

and leave it running in the background.

Create a db

In another shell:

```
1 curl -X PUT http://localhost:3133/testdb
```

Write docs to db

This script will write json docs with random values for the purpose of visualization.

Copy the following to `add_seriesly_docs.rb`

```
1 #!/usr/bin/env ruby
2
3 6000.times do |count|
4   randomNumber = rand() # random number between 0 and 1
5   cmd = "curl -X POST -d '{\"index\":#{randomNumber}}' http://localhost:3133/testdb"
6   puts cmd
7   system(cmd)
```

```
8   system("sleep 1")
9 end
```

and then run it

```
1 chmod +x add_seriesly_docs.rb && ./add_seriesly_docs.rb
```

and let it continue running in the background.

Create a webserver

Create a directory:

```
1 mkdir /tmp/seriesly-http/
2 cd /tmp/seriesly-http/
```

Create `fileserver.go`:

```
1 package main
2 import "net/http"
3 func main() {
4         panic(http.ListenAndServe(":8080", http.FileServer(http.Dir("/tmp/seriesly-http/"))))
5 }
```

Run webserver:

```
1 go run fileserver.go
```

Download seriesly.html file

This is a file I wrote which uses seriesly as a metric data source for cubism.

It's a quick hack, since I couldn't manage to get seriesism.js working.

```
1 cd /tmp/seriesly-http/
2 wget https://gist.githubusercontent.com/tleyden/ec0c9be5786e0c0bd9ba/raw/1c08ea13b8ce46e08a49df19ad44c8e6a0ade896/seriesly.html
```

Open seriesly.html

In your browser, point to http://localhost:8080/seriesly.html

At this point, you should see the screenshot at the beginning of the blog post.

References

- seriesly
- seriesly blog post
- The simplest example of cubism
- perfrunner-visualizer

Posted by Traun Leyden Mar 3rd, 2015 cubism, seriesly,

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