En-Visage-ing system & instrumented statistics

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Scenario:
Slow HTTP requests
Perceived load time increase
Timeouts

Wednesday, 26 January 2011
Not reproducible
Identical configuration
Scientific method
Data
metric collection

WE HAVE CHARTS & GRAPHS TO BACK US UP

SO FUCK OFF

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Tools?
Correlation?
collectd
lightweight
statistics
collection
daemon
platform for collecting time series data
plugin based
network aware
Graphing?

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SO F**K OFF

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Incubator - 24 hour temp.

<table>
<thead>
<tr>
<th>Location</th>
<th>Min</th>
<th>Avg</th>
<th>Max</th>
<th>Last</th>
</tr>
</thead>
<tbody>
<tr>
<td>top</td>
<td>36.94 C</td>
<td>37.62 C</td>
<td>38.50 C</td>
<td>38.10 C</td>
</tr>
<tr>
<td>middle</td>
<td>36.87 C</td>
<td>37.54 C</td>
<td>38.44 C</td>
<td>38.00 C</td>
</tr>
<tr>
<td>bottom</td>
<td>36.88 C</td>
<td>37.53 C</td>
<td>38.41 C</td>
<td>37.95 C</td>
</tr>
</tbody>
</table>

- 99 deg F, 37.2 C, Minimum
- 100 deg F, 37.8 C, Optimal
- 101 deg F, 38.3 C, UpperMiddle
- 102 deg F, 38.9 C, Maximum

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Do not want.
JSON
JavaScript & SVG
Profiles
Saved pages of graphs
# apt-get install librrd-ruby ruby-dev \ rubygems collectd

$ gem install visage-app

$ visage-app start
Instrumenting your own statistics
curl_json
Sinatra

&

Rack Middleware
#!/usr/bin/env ruby

require 'sinatra'
require 'yajl/json_gem'

GC.enable_stats

class Cadence < Sinatra::Base
  get '/metrics/gc' do
    stats = {
      "collections" => GC.collections,
      "growth" => GC.growth,
      "allocated_size" => GC.allocated_size,
      "num_allocations" => GC.num_allocations
    }
    stats.to_json
  end
end

use Cadence
run Sinatra::Base
Thank you!