



# Data Presentation in a Web-App

## Journey of a start-up

Simon Oxley  
Co-founder & CTO Aware Monitoring

<http://awaremonitoring.com>

@soxley

We monitor **web-services**  
**performance** and **availability**.

- › Websites
- › XML Feeds
- › APIs
- › Forms

<http://awaremonitoring.com>

We're Bootstrapping

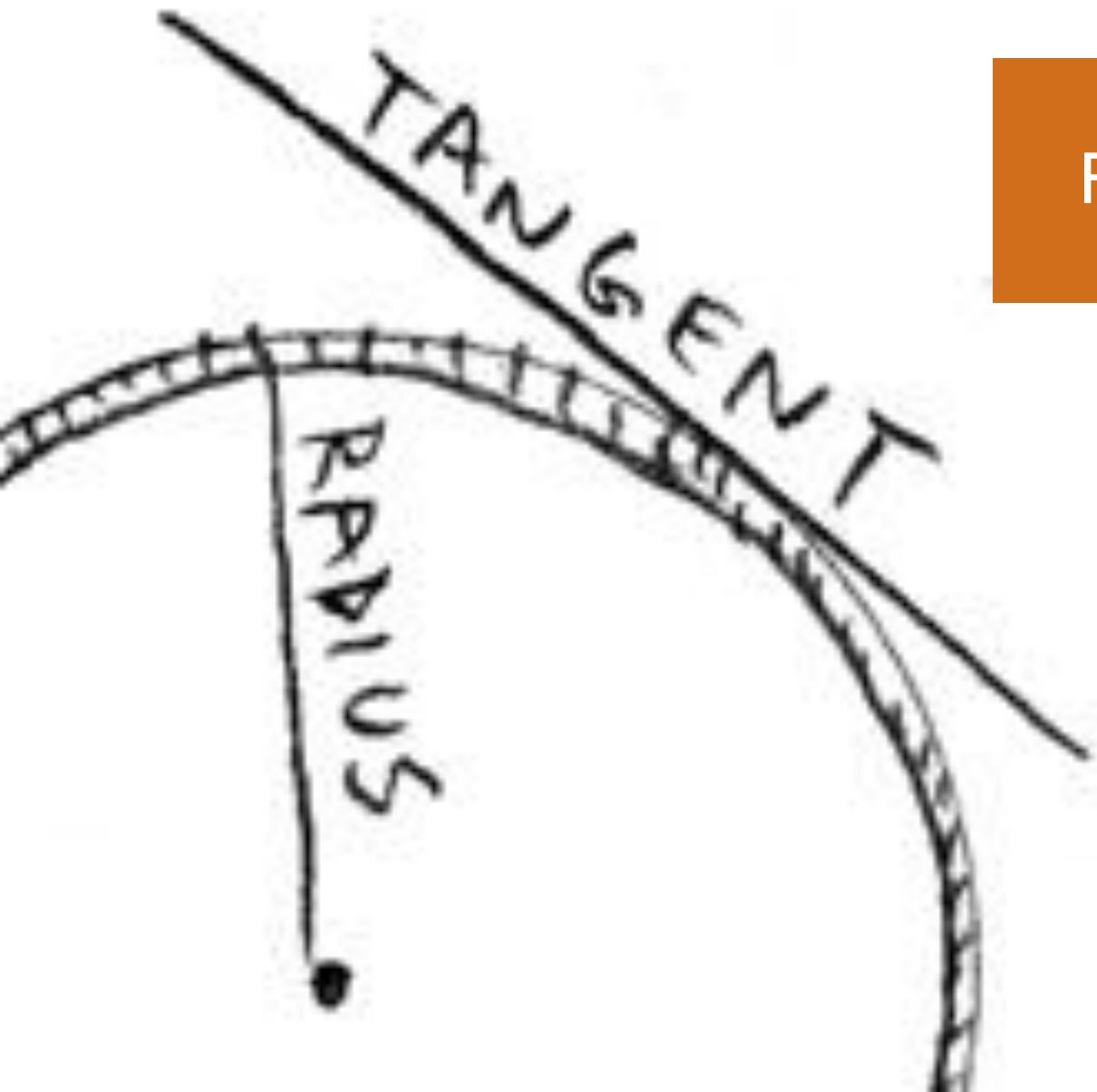


A pair of golden scales of justice, symbolizing balance and comparison. The scales are suspended from a central point, with two pans hanging from a horizontal beam. The background is dark and blurred, suggesting an indoor setting with architectural elements.

Time vs. Cost



Tough Decisions



First, a tangent ...

Software development  
is a **creative** art.

Art | Music | Software

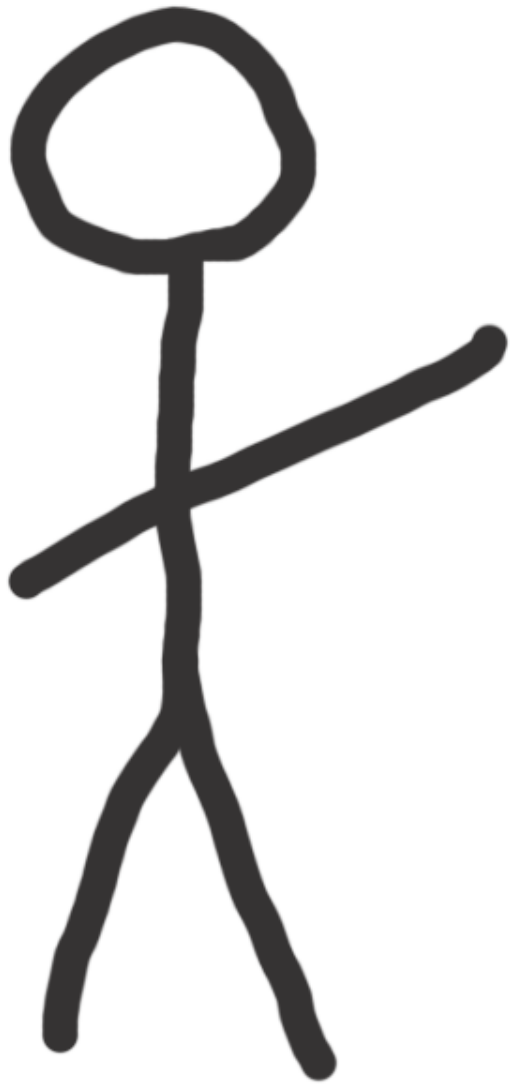


a blank canvas = infinite possibilities

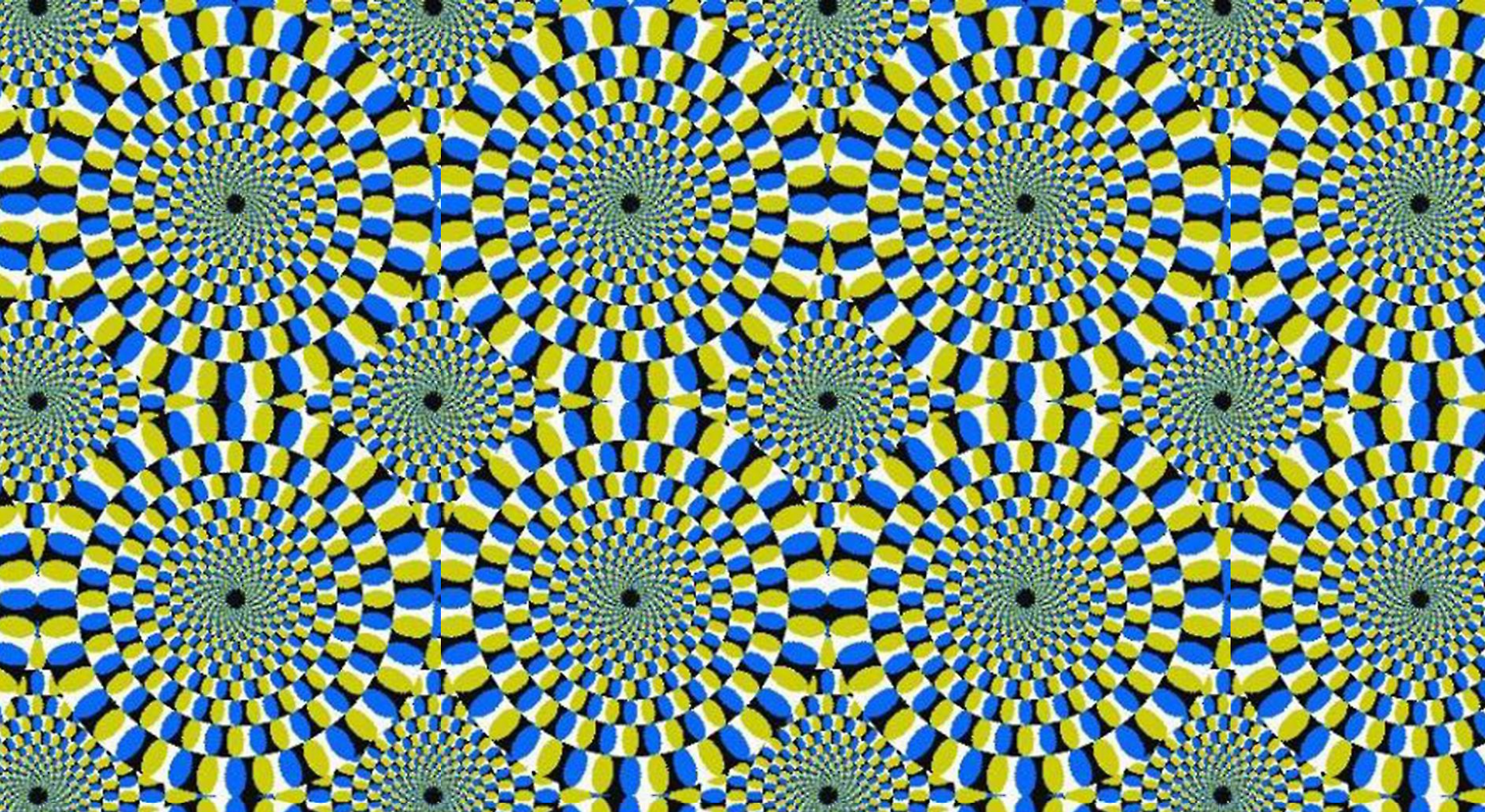


Sometimes, a masterpiece is created.





... and sometimes, it's not.



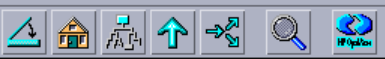
Sometimes, the results are just painful!

Monitoring can be painful.

Pain = Opportunity

### VPO Message Group Bank

Map Actions Edit View Window



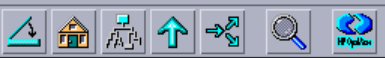
BMCS\_Informi BMCS\_Ingres BMCS\_OS BMCS\_OS\_WI BMCS\_Orac BMCS\_PATRC BMCS\_Sybase

CRM Credit Card System Database HA Haifaot Hardware IEC-ABB

Internet Job Kishoriut MQControl MQSeries Menora Misc

### VPO Node Bank

Map Actions Edit View Window

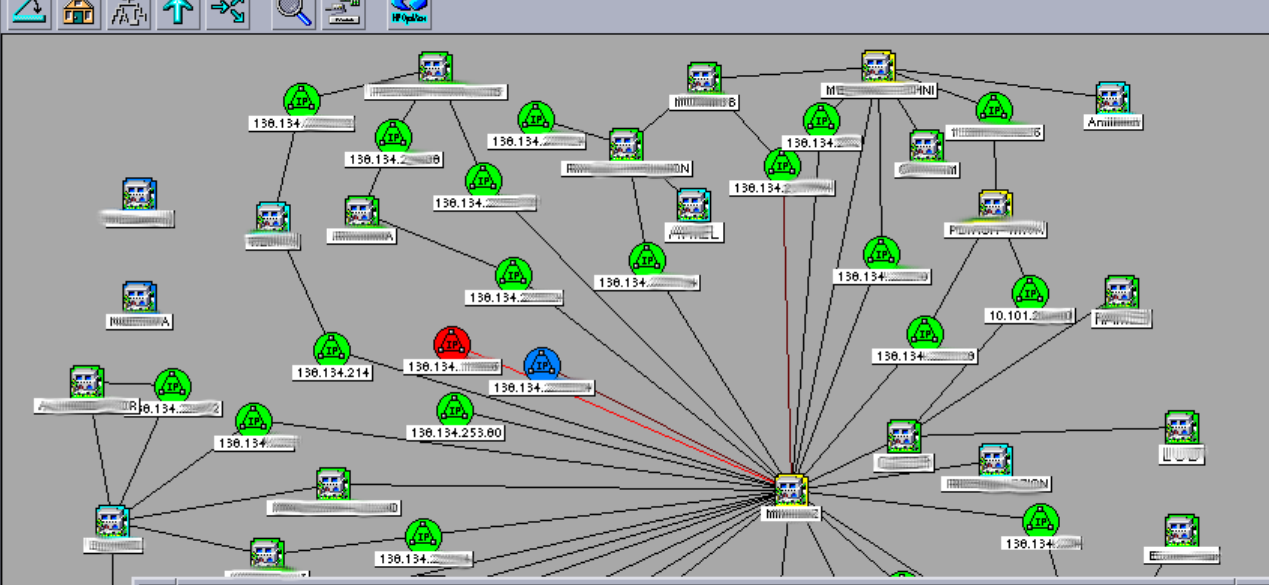
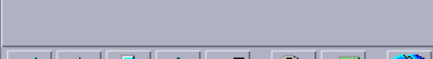


hp1 mvs pvix Net Others Network OUIS Server

HoldingArea Linux Network Devices Windows 2000 WindowsNT aix

### Internet

Map Actions Edit View Performance Configuration Fault Tools Options Window Cisco Applications



### Terminal

```
sergev 28465 28463 0 09:25:03 pts/6 0:00 /usr/bin/tcsh
-server
e -noview
e -noview
lib/sendmail -Ac -q15m
perf/bin/agdbserver -t alarm
perf/bin/alarmgen -svr 783 -
t sunserv5
apache/bin/httpd
apache/bin/httpd
lib/sendmail -bd -q15m
ogind
apache/bin/httpd
cat /tmp/.removable/notify69
dt/bin/dtterm
bin/expect -f /export/home/s
.r.xwd
```

### Message Source Templates 1

Templates Edit View Window

- Template Groups
- [TopLevel]
  - Default
  - NSQ MQControl SPI for MQSeries
  - NSQ MQControl NT GM Templates
  - NSQ MQControl NT LA Templates
  - NSQ MQControl NT MQ Templates
  - NSQ MQControl UNIX GM Templates
  - NSQ MQControl UNIX LA Templates
  - NSQ MQControl UNIX MQ Templates
  - NSQ MQControl-AIX-MQ
  - NSQ MQControl-HPUX-MQ
  - NSQ MQControl-SUN-MQ
  - OpenView Performance
  - => internet services

Type	Name	Description
Group	OVIS ITO Mgmt Server	Template
Group	OVIS Probe NT	Template
Group	OVIS Probe Unix	Template
Group	OVIS Server	Template
Group	OVIS Server (2)	Template
Group	OVIS Server (3)	Template

Add Logfile...

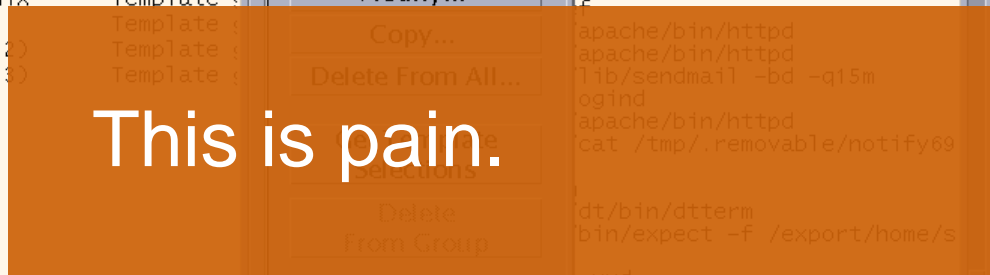
Modify...

Copy...

Delete From All...

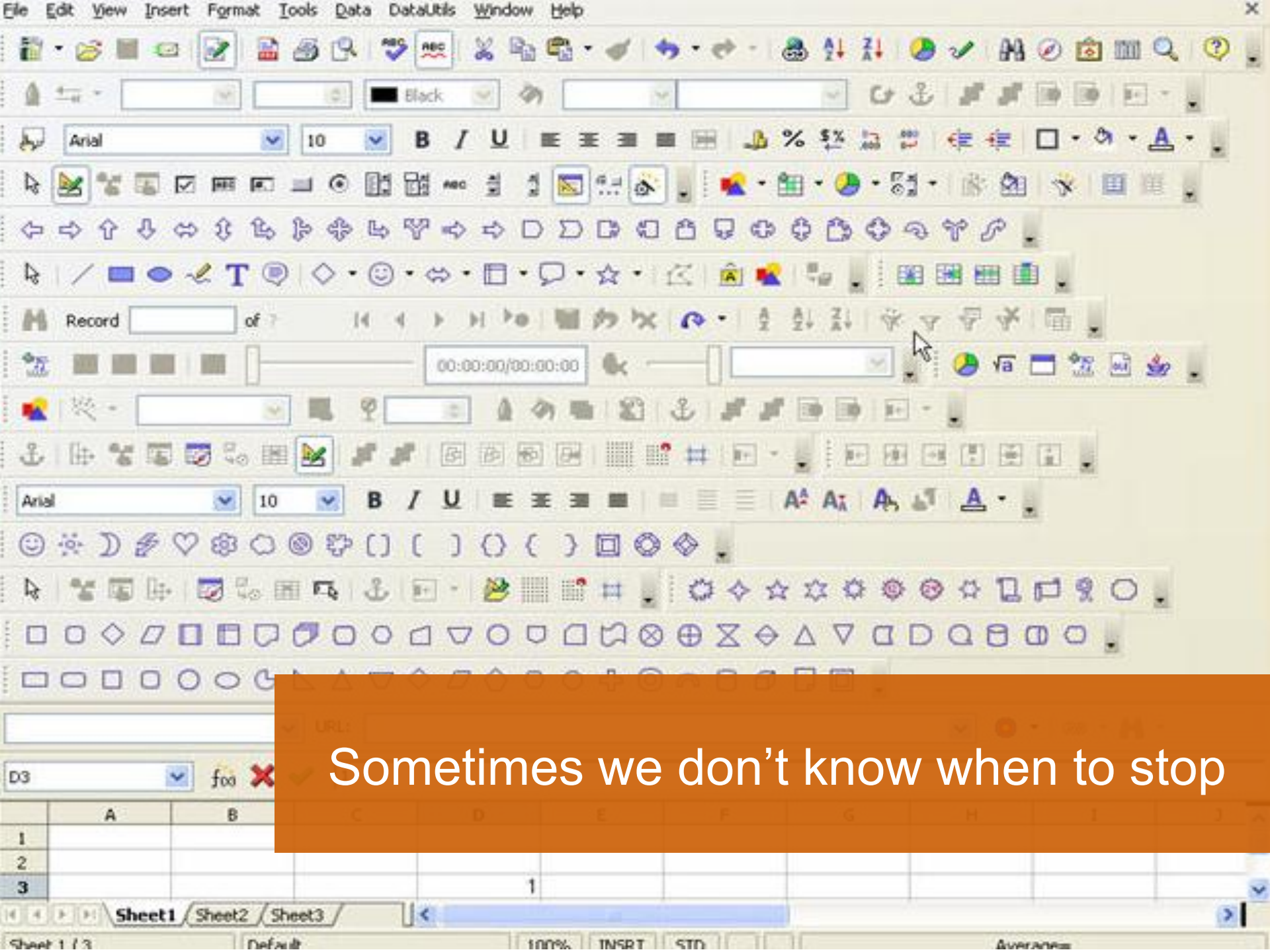
Conditions...

Circuit...



The unlimited canvas of  
the desktop has led to **PAIN**.

No limits = No Restraints



Sometimes we don't know when to stop



Restraints are a good thing.



# HTML 4.01 Specification

W3C Recommendation 24 December 1999

## This version:

<http://www.w3.org/TR/1999/REC-html401-19991224>  
(plain text [794Kb], gzipped tar archive of HTML files [371Kb], a .zip archive of HTML files [405Kb], gzipped Postscript file [746Kb, 389 pages], gzipped PDF file [963Kb])

## Latest version of HTML 4.01:

<http://www.w3.org/TR/html401>

## Latest version of HTML 4:

<http://www.w3.org/TR/html4>

## Latest version of HTML:

<http://www.w3.org/TR/html>

## Previous version of HTML 4.01:

<http://www.w3.org/TR/1999/PR-html40-19990824>

## Previous HTML 4 Recommendation:

<http://www.w3.org/TR/1998/REC-html40-19980424>

## Editors:

[Dave Raggett <dsr@w3.org>](mailto:dsr@w3.org)

Arnaud Le Hors, W3C

Ian Jacobs, W3C

The web has grown up  
with restraints.

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## Abstract

This specification defines the HyperText Markup Language (HTML), the publishing language of the World Wide Web. This specification defines HTML 4.01, which is a subversion of HTML 4. In addition to the text, multimedia, and hyperlink features of the previous versions of HTML (HTML 3.2 [\[HTML32\]](#) and HTML 2.0 [\[RFC1866\]](#)), HTML 4 supports more multimedia options, scripting languages, style sheets, better printing facilities, and documents that are more accessible to users with disabilities. HTML 4 also takes great strides towards the internationalization of documents with the goal of making the Web truly World Wide.

HTML 4 is an SGML application conforming to International Standard ISO 8879 -- Standard Generalized Markup Language [\[ISO8879\]](#).

## Status of this document

*This section describes the status of this document at the time of its publication. Other documents may supersede this document. The latest status of this document series is maintained at the W3C.*

This document specifies HTML 4.01, which is part of the HTML 4 line of specifications. The first version of HTML 4 was HTML 4.0 [\[HTML40\]](#), published on 18 December 1997 and revised 24 April 1998. This specification is the first HTML 4.01 Recommendation. It includes non-editorial [changes since the 24 April version of HTML 4.0](#). There have been some changes to the DTDs, for example. This document obsoletes previous versions of HTML 4.0, although W3C will continue to make those specifications and their DTDs available at the W3C Web site.

This document has been reviewed by W3C Members and other interested parties and has been endorsed by the Director as a W3C Recommendation. It is a stable document and may be used as reference material or cited as a normative reference from another document. W3C's role in making the Recommendation is to draw attention to the specification and to promote its widespread deployment. This enhances the functionality and interoperability of the Web.

W3C recommends that user agents and authors (and in particular, authoring tools) produce HTML 4.01 documents rather than HTML 4.0 documents. W3C recommends that authors produce HTML 4 documents instead of HTML 3.2 documents. For reasons of backward compatibility, W3C also recommends that tools interpreting HTML 4 continue to support HTML 3.2 and HTML 2.0 as well.

Innovation is happening in  
the browser and on the web.

We wanted to be part of it.



We set some simple goals.

# Web Services Monitoring 2.0

1. **Instant On** - be up and running in minutes
2. **Easy** to setup and configure
3. Deliver information of **real value** quickly



A small team on an epic journey

Decisions, decisions ...

Early technology  
choices have a big impact.



Build the right foundations

# Considerations

1. Time
2. Skills
3. Cost





It's easy to take on too much

# Our decisions

Python

HTML / CSS

JavaScript

Heavy lifting can be made easier



# Maximising re-use

Python › Django

HTML / CSS

JavaScript › jQuery + Dojo



Standing on the shoulders of giants

## User experience goals

- › **Simple** and **Obvious**
- › **Fast** in the **browser**
- › **Quick** and **Easy** set-up

Keep it

Simple

For our customers and us

# UI Delivery

first: **HTML / CSS**

then: **JavaScript** › Light touch





**This site requires the latest  
version of Adobe Flash Player.**

**Please [click here](#) to download  
the player for free...**

**No Flash**

Why no flash?

Another piece to **test** + manage

Another **skill** required

CSS + JS is enough

## Two high-level use-cases


1. **Configure** a monitor
2. **Access** results

# Configuration



# Content Tabs

 Account

 Payments

## Usage Snapshot

Monitors  
Remaining

6

Groups  
Remaining


2


SMS  
Remaining


14

 Basic Settings

 Advanced


 API Monitor **BETA**

 Reports

 Notifications

## Basic monitor settings

Enter the monitor name, target and check frequency

**Group**  

**Name**

**Target URL or IP**  

**Port**

# Hide Optional Fields

## API Monitoring BETA

Set the API monitor request type

Enable API Monitoring

API request type  GET  POST

POST data is required for a POST request (add below)

## HTTP Headers

+ Add HTTP Headers

## Query-string Parameters

+ Add querystring Parameters

## POST Data

+ Add POST data

## API Monitoring BETA

Set the API monitor request type

Enable API Monitoring

API request type  GET  POST

POST data is required for a POST request (add below)

## HTTP Headers

Set HTTP Content-Type and Accept headers

Content-Type

application/xml

Accept

application/xml

## Query-string Parameters

+ Add querystring Parameters

## POST Data

Enter the POST data for the request

POST Data

```
<request>
  <milestone>
    <title>Aware Monitoring API Check</title>
    <deadline type="date">2010-6-1</deadline>
    <responsible-party>4854136</responsible-party>
    <notify>true</notify>
  </milestone>
</request>
```

The request type will be forced to POST if data is entered in this field

### Monitor test results



Status: ✔ OK  
Return Code: 201 Created  
Load Time: 0.82 secs  
Actual URL: https://soxley.basecamphq.com:443/projects/4375575/milestones/create  
Content Type: application/xml; charset=utf-8  
Content Check: Found string "Aware Monitoring API Check" in content

```
<?xml version="1.0" encoding="UTF-8"?>
<milestones type="array">
  <milestone>
    <comments-count type="integer">0</comments-count>
    <completed type="boolean">>false</completed>
    <created-on type="datetime">2010-03-08T16:12:48Z</created-on>
    <creator-id type="integer">4854136</creator-id>
    <deadline type="date">2010-06-01</deadline>
    <id type="integer">13701276</id>
    <project-id type="integer">4375575</project-id>
    <responsible-party-id type="integer">4854136</responsible-party-id>
    <responsible-party-type>Person</responsible-party-type>
    <title>Aware Monitoring API Check</title>
    <wants-notification type="boolean">>true</wants-notification>
  </milestone>
</milestones>
```

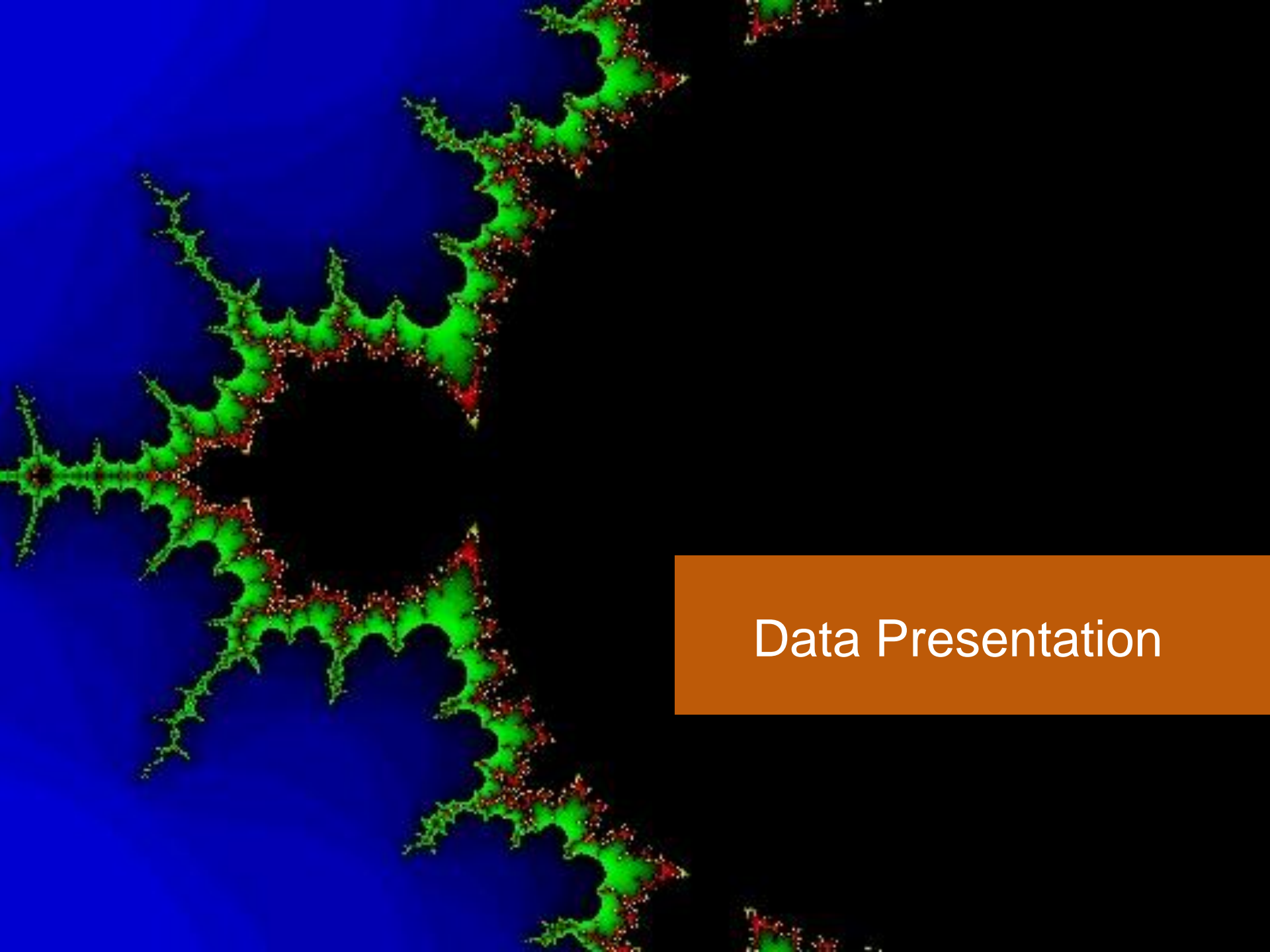
Select all (use CTRL+C to copy)

SAVE

TEST

or cancel





# Interactive











# Data Presentation



### Twitter API (Edit)

Monitor	Status	Last Checked	Load Time	History	Edit
Twitter API: Current Trend (JSON)	✓ OK	Today at 4:33 p.m.	0.34 secs		
Twitter API: Friends Timeline (RSS)	✗ ERROR	Today at 4:33 p.m.	0.90 secs		

### Webmail (Edit)

Monitor	Status	Last Checked	Load Time	History	Edit
Google Mail	✓ OK	Today at 4:33 p.m.	0.04 secs		
Yahoo Mail	✓ OK	Today at 4:33 p.m.	0.11 secs		
HotMail	✓ OK	Today at 4:33 p.m.	0.34 secs		
GMail	✓ OK	Today at 4:33 p.m.	0.19 secs		

Limit top-level detail

## Status

### Status

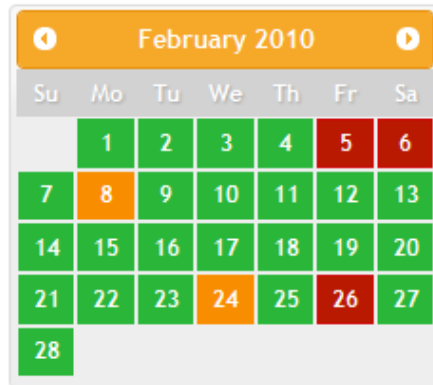
✓ OK

### Last Check

Today  
at 5:40 p.m.

### Key

- OK
- Warnings
- Errors



## Availability

### Availability (last 7 days)

99.91%

### Total Uptime

2 days, 12 hours

### Downtime (last 7 days)

⊖ 9 minutes

### Last Outage

⊖ 26th Feb 2010 at 5.25 a.m.

↓ Down for 43 minutes

Drill down

Let the **browser** do  
what it's **good** at.

It's easier, and faster

Average Performance: Tue, 19th Jan 2010 (view entire month)

5 secs



```

<ul class="timeline daily">
  <li class="ok">
  <li class="warning">
  <li class="warning">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="ok">
  <li class="view-hour" title="0.84 secs" href="/account/soxley/mon...
    <span class="label"> 1pm </span>
    <span class="count" style="height: 17%;> 2010-01-19 13:00:00
  </li>
  <li class="warning">
  <li class="warning">
  <li class="view-hour" title="1.69 secs" href="/account/soxley/mon...
    <span class="label"> 3pm </span>
    <span class="count" style="height: 34%;> 2010-01-19 15:00:00
  </li>
  <li class="error">
  <li class="view-hour" title="3.00 secs" href="/account/soxley/mon...
    <span class="label"> 4pm </span>
    <span class="count" style="height: 60%;> 2010-01-19 16:00:00
  </li>

```

```

element.style {
  height: 11%;
}

.timeline li.ok a .count {
  background: #209A2C none repeat scroll 0 0;
}

.timeline li a .count {
  background: #A1A1A1 none repeat scroll 0 0;
  bottom: 0;
  display: block;
  height: 0;
  left: 0;
  overflow: hidden;
  position: absolute;
  text-indent: -9999px;
  width: 100%;
}

html, body, div, span, applet, object, iframes, h1, h2, h3, h4, h5, h6,
address, big, cite, code, del, dfn, em, font, img, ins, kbd, q, s, sam,
var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, l
thead, tr, th, td {
  background: transparent none repeat scroll 0 0;
  border: 0 none;
  font-size: 100%;
  margin: 0;
  outline-color: -moz-use-text-color;
  outline-style: none;
  outline-width: 0;
  padding: 0;
  vertical-align: baseline;
}

```

20th Jan 2010 ➔

# CSS Charts

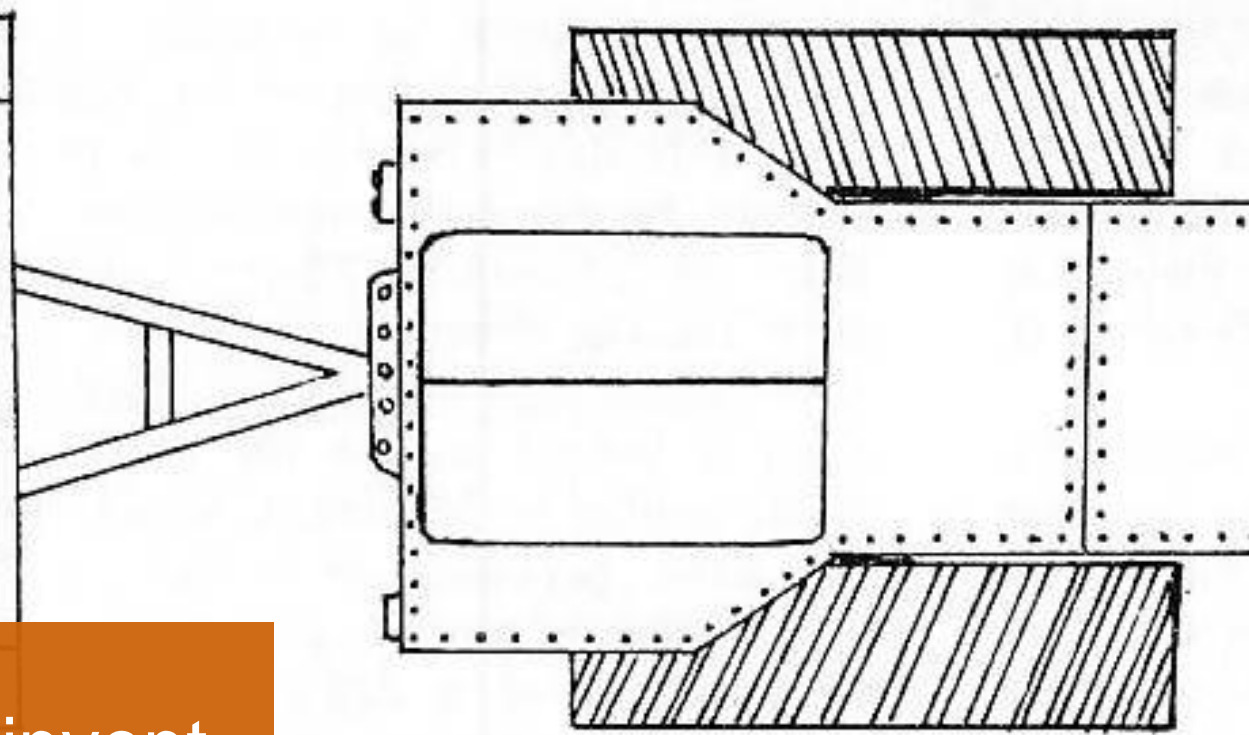
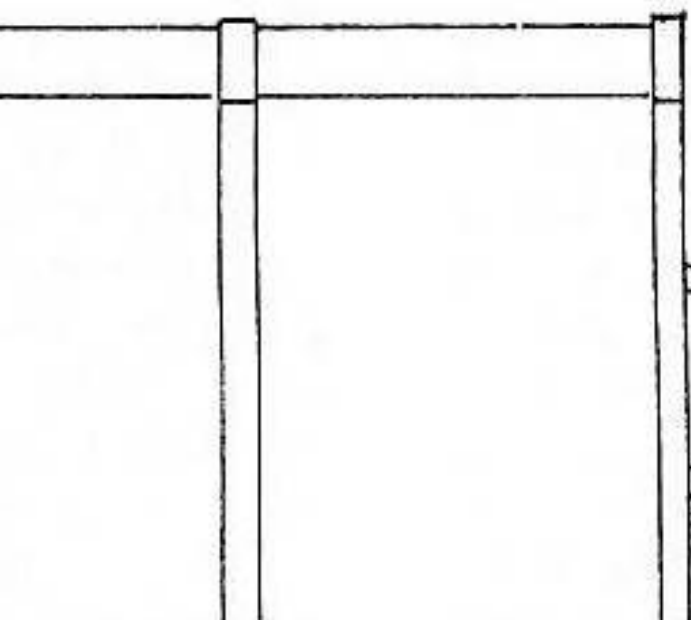
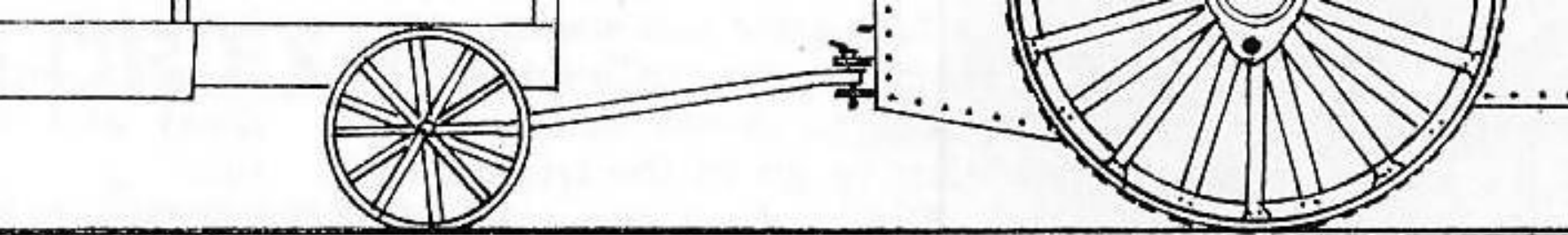
# CSS Charts

- › Fast
- › Accessible
- › Styled

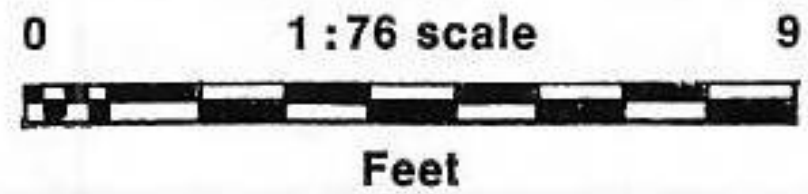
# JavaScript Charts (Dojo)

Pie chart

Custom time period



We didn't try to re-invent



Some things inspired  
us along the way.

Learning from others



# Dashboard

Apr 1, 2007 - Apr 30, 2007 ▾

Export ▾ Email

Avg. Time on Site ▾



## Site Usage



**16,635** Visits



**28,827** Pageviews



**1.73** Pages/Visit



**00:02:05** Avg. Time on Site



**69.56%** Bounce Rate



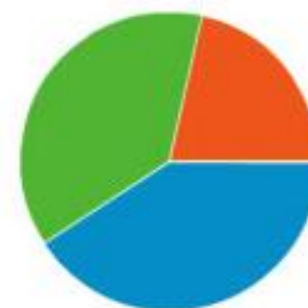
**65.52%** % New Visits

## Visitors Overview



**11,916** Visitors

## Traffic Sources Overview



**Referring Sites**

6,785 (40.79%)

**Search Engines**

6,276 (37.73%)

**Direct**

3,567 (21.44%)

**Other**

7 (0.04%)

**EveryBlock Chicago**

Browse: Public records Articles

Streets Addison S

**1050 – 1098 bl**

Nearby: Lake View

**Latest news near 1050-1098**


**Timeline** Latest news in the area


**Overview** Trends and break

Show news within: 1 block 3 blocks

**NEW ON EVERYBLOCK JANUARY 19**

**2 real estate listings**

 **3258 N Racine Ave**  
Listed on December 19,

 **3920 N Sheridan Rd**  
Listed on January 9, 200

**14 crimes**

**EveryBlock New York City**

Browse: Public records Articles More Explore: Neighborhoods Find: Address, ZIP or neighborhood

**Restaurant inspections**

Restaurant inspections conducted recently by the New York City Department of Health and Mental Hygiene.

**Welcome to EveryBlock's New York restaurant inspection section.**  
Here, you can explore restaurant inspections in New York in various ways. Use "Search near an address" to find restaurant inspections near any specific block or neighborhood, and use the powerful custom filter to create your own reports according to various criteria.

**About this section** [Less info](#)

Source: New York City Department of Health and Mental Hygiene

Updated: Daily

[More about this section...](#)

**Filter this data**

**Location**

Search near an address:

Within: 8 blocks

**Or choose a location:**

- Boroughs...
- Community boards...
- Neighborhoods...
- Police precincts...
- ZIP codes...

**Inspection date**

5/22/2004 - 1/21/2009


**Violation**

- Non-food contact surface improperly constructed
- Not vermin-proof
- Mice
- Cold food held above 41°F (smoked fish above 38°F) except during necessary preparation.
- Improper plumbing

**Dec. 13, 2008 – Jan. 12, 2009**

**2,573 restaurant inspections**

Peak of this chart: 185 restaurant inspections



**By borough**

Manhattan	1,130	44%
Brooklyn	477	19%
Queens	254	10%
The Bronx	100	4%
Staten Island	112	4%

**By community board**

Manhattan CB 5	335	13%
Manhattan CB 6	144	6%
Manhattan CB 2	130	5%

Bringing data together



Intelligence from data

Some of our tools



## Account Users

1. Grant access to this account

Share this account with . . .

Administrator ?  Viewer ?

### 2. Account Users

## Create a new monitor

1. Select a Monitor Group

New Group:

Existing Group:

2. Select a Monitor Type

Monitor Type:

3. Configure Monitor

Target hostname or IP Address:   
e.g. www.website.com (do not include http://)

Port:  80 (default)  Custom

Check Every:

Alert Thresholds: Warning at:  secs  Email Alert  SMS Alert


Error at:  secs  Email Alert  SMS Alert

## Monitor Results: www.mysite.com

Monitor Details

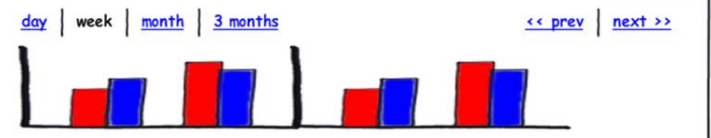
Type: Website Monitor  
Target: www.mysite.com  
Schedule: Every 2 mins  
Last Checked: 12:24 06/03/09  
Last Status: OK

Availability



Uptime: 99.1%  
Outages: 0:24

Performance | Outages | Raw Stats



Period	Average Response Time	Status
21-03-09	2.23 secs	OK
20-03-09	9.54 secs	WARNING
19-03-09	2.12 secs	OK
18-03-09	2.54 secs	OK
17-03-09	2.42 secs	OK

- Authentication (id/pwd)
  - Content match
  - Notify on Xth failure
- Options:
- 'Advanced' button
  - 2nd config screen
  - Edit after creation

Alerts:

- Set here for 'creator'

# Balsamiq Mockups

The image shows a browser's developer tools interface with three main panels: HTML, Style, and DOM. A DebugBar v5.0 Beta 1 window is overlaid on the DOM panel.

**HTML Panel:** Shows the DOM tree with the following structure:

```

<ul>
  <li id="n-currentevents">
  <li id="n-randompage">
</ul>
</div>
</div>
<div id="p-search" class="portlet">
<div id="p-interaction" class="generated-sidebar portlet">
  <h5 lang="en" xml:lang="en">Interaction</h5>
  <div class="pBody">
    <ul>
      <li id="n-aboutsite">
      <li id="n-portal">
        <a title="About the project, what you can do, where to find things" href="/wiki/Wikipedia:Community_portal">Community portal</a>
      </li>
    </ul>
  </div>
</div>

```

**Style Panel:** Shows the computed style for the selected element, including:

- `list-style-image: url("http://upload.wikimedia.org/wikipedia/en/1/18/Monobook-bullet.png");`
- `margin: 0;`
- `padding: 0;`
- `margin-bottom: 0.1em;`
- `font-size: 95%;`
- `line-height: 1.5em;`
- `list-style-image: url("bullet.gif");`
- `list-style-type: square;`
- `border-collapse: collapse;`
- `color: black;`
- `font-size: 95%;`
- `font-size: 127%;`

**DOM Panel:** Shows a tree view with the following structure:

```

P
  IMG src=http://www.debugbar.co
  BR
  STRONG
  BR
  BR
TR

```

**DebugBar v5.0 Beta 1:** Shows the DOM tree and a CSS rule for padding:

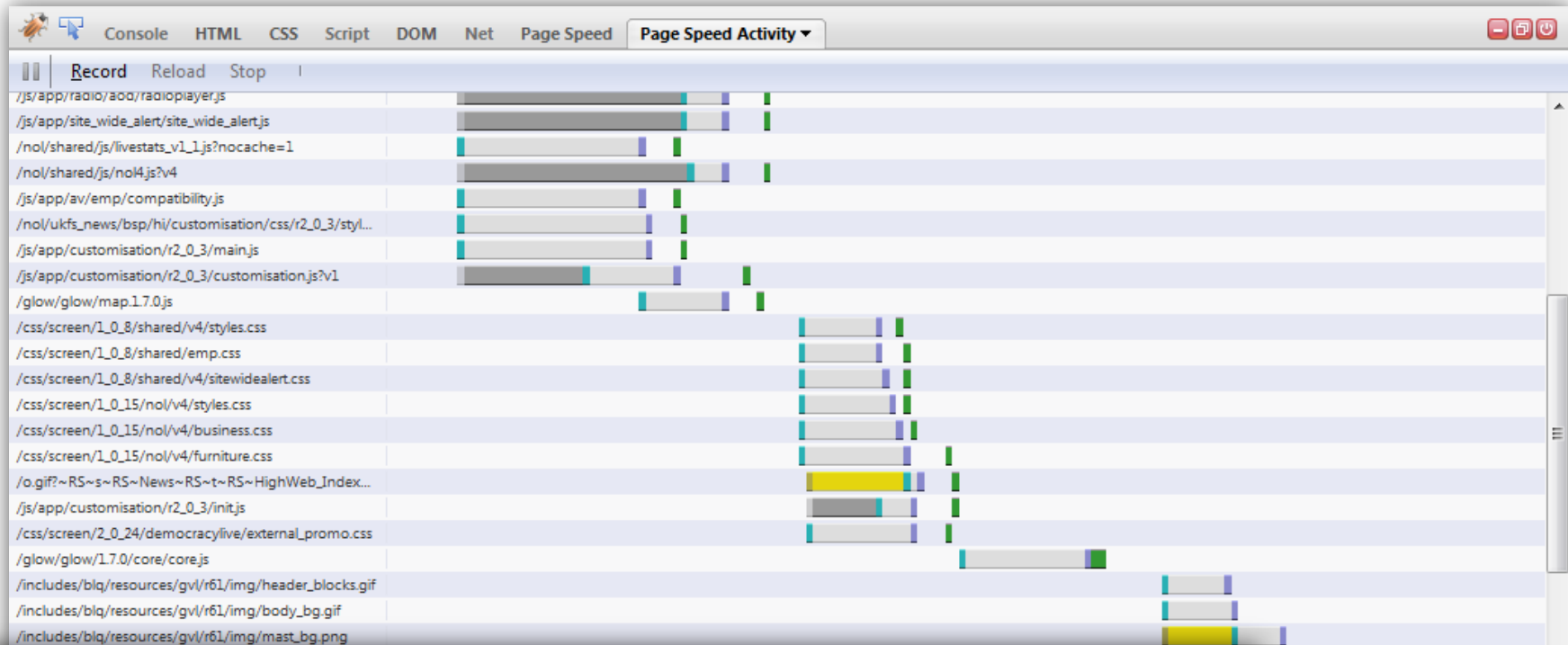
```

/*-----
  Inherited from TD.About
  -----*/
/* Rule from element "style"
attribute */
element.style {
  PADDING-RIGHT: 3px;
  PADDING-LEFT: 3px;
}

```

**Text Overlay:** An orange box at the bottom right contains the text "Firebug & IE Debugbar".

# Firebug & IE Debugbar



The screenshot shows the YSlow performance report for the URL `https://addons.mozilla.org/en-US/firefox/`. The overall performance score is 77, and the ruleset applied is YSlow(V2).

**Grade C** Overall performance score 77 Ruleset applied: YSlow(V2) URL: https://addons.mozilla.org/en-US/firefox/

**ALL (22)** FILTER BY: CONTENT (6) | COOKIE (2) | CSS (6) | IMAGES (2) | JAVASCRIPT (4) | SERVER (5)

**F Make fewer HTTP requests**

**F Use a Content Delivery Network (CDN)**

**F Add Expires headers**

**B Compress components with gzip**

**A Put CSS at top**

**C Put JavaScript at bottom**

**B Avoid CSS expressions**

**n/a Make JavaScript and CSS external**

**A Reduce DNS lookups**

**D Minify JavaScript and CSS**

**Grade F on Make fewer HTTP requests**

This page has 5 external Javascript scripts. Try combining them into one.  
This page has 22 external background images. Try combining them with CSS sprites.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine multiple CSS files into one style sheet, combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

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# Page Speed & Y-Slow

## SQL Queries

Time (ms)	Action	Stacktrace	Query
16.42	<a href="#">SELECT</a> <a href="#">EXPLAIN</a>	<a href="#">Toggle</a> <a href="#">Stacktrace</a>	<pre>SELECT "django_content_type"."id", "django_content_type"."name", "django_content_type"."app_label", "django_content_type"."model" FROM "django_content_type" WHERE ("django_content_type"."model" = photo AND "django_content_type"."app_label" = photologue ) ORDER BY "django_content_type"."name" ASC</pre>
17.96	<a href="#">SELECT</a> <a href="#">EXPLAIN</a>	<a href="#">Toggle</a> <a href="#">Stacktrace</a>	<pre>SELECT DISTINCT "tagging_tag"."id", "tagging_tag"."name" FROM "tagging_tag" INNER JOIN "tagging_taggeditem" ON "tagging_tag"."id" = "tagging_taggeditem"."tag_id" INNER JOIN "photologue_photo" ON "tagging_taggeditem"."object_id" = "photologue_photo"."id" WHERE "tagging_taggeditem"."content_type_id" = 44 GROUP BY "tagging_tag"."id", "tagging_tag"."name" ORDER BY "tagging_tag"."name" ASC</pre>
17.54	<a href="#">SELECT</a> <a href="#">EXPLAIN</a>	<a href="#">Toggle</a> <a href="#">Stacktrace</a>	<pre>SELECT "django_content_type"."id", "django_content_type"."name", "django_content_type"."app_label", "django_content_type"."model" FROM "django_content_type" WHERE ("django_content_type"."model" = image AND "django_content_type"."app_label" = photos ) ORDER BY "django_content_type"."name" ASC</pre>
0.29	<a href="#">SELECT</a> <a href="#">EXPLAIN</a>	<a href="#">Toggle</a> <a href="#">Stacktrace</a>	<pre>SELECT DISTINCT "tagging_tag"."id", "tagging_tag"."name" FROM "tagging_tag" INNER JOIN "tagging_taggeditem" ON "tagging_tag"."id" = "tagging_taggeditem"."tag_id" INNER JOIN "photos_image" ON "tagging_taggeditem"."object_id" = "photos_image"."id" WHERE "tagging_taggeditem"."content_type_id" = 63 GROUP BY "tagging_tag"."id", "tagging_tag"."name" ORDER BY "tagging_tag"."name" ASC</pre>
0.33	<a href="#">SELECT</a> <a href="#">EXPLAIN</a>		<pre>SELECT "announcements_announcement"."id", "announcements_announcement"."title", "announcements_announcement"."content", "announcements_announcement"."creator_id", "announcements_announcement"."creation_date", "announcements_announcement"."site_wide", "announcements_announcement"."members_only" FROM "announcements_announcement" WHERE ("announcements_announcement"."site_wide" = True AND "announcements_announcement"."members_only" = False ) ORDER BY "announcements_announcement"."creation_date" DESC</pre>

## Request Vars

### COOKIES Variables

Variable	Value
sessionId	1835b80a8aaa76cef9ab
dj_debug_panel	hide

### SESSION Variables

No SESSION data

### GET Variables

No GET data

### POST Variables

No POST data

Hide »

### Django Version

1.0.3

### Time

CPU: 1242.36ms (4681.92ms)

### Settings

### HTTP Headers

### Request Vars

### SQL

5 queries in 52.55ms

### Templates

### Signals

### Logging

0 MESSAGES

### HTTP Headers

### Request Vars

### SQL

5 queries in 52.55ms

### Templates

### Signals

### Logging

# Django Debug Toolbar





Observations

The **browser** is becoming a  
container for **applications**.

Not just for the web

mozilla

Register or Log in Other Applications

# Add-ons for Firefox

1,841,419,533 add-ons downloaded  
169,148,698 add-ons in use

## Categories

search for add-ons within all add-ons **Advanced**

- Alerts & Updates 818
- Appearance 969
- Bookmarks 890
- Download Management 468
- Feeds, News & Blogging 899
- Language Support 444
- Photos, Music & Videos 773
- Plugins 7
- Privacy & Security 618
- Social & Communication 1189
- Tabs 382
- Toolbars 1071
- Web Development 1033
- Other 2086

- Collections
- Personas **NEW!**
- Dictionaries & Language Packs
- Search Tools
- Themes

## Most Shared Add-ons (Last

### Get the latest scores and highlights

**FootieFox**  
Soccer scores for over 200 leagues and cups of 60 countries - live and...

+ Add to Firefox

**Pickemfirst Fantasy Sports**  
Pickemfirst is your fantasy sport assistant. It will save you time and help...

+ Add to Firefox

**ESPN**  
Get the latest sports news, scores, and highlights.

+ Add to Firefox

Like these? Find more add-ons in the Sports Fanatic collection.

- Introduction
- Shopping
- Sports
- Reference
- Web Development
- Travel

## Browse Add-ons

- Recommended
- Popular
- Just Added
- Updated

**CoolPreviews**  
by The Cooliris Team

+ Add to Firefox recommended

Browse faster -- Preview links and images without leaving your

## Collections

Collections are a way for you to categorize, mix, match and



The original App Store

Manage Accounts S3 Synchronize Folders AWS Import/Export Preferences

C:\test

File Name	Fi...	Modified Time
test.txt	1	10/19/2009 03:17 PM
test - Copy.txt	1	10/19/2009 12:32 AM

/mybucket-test/

File Name	File Size(KB)	Upload Time
test.txt	1	10/19/2009 07:12 PM
test - Copy.txt	1	10/19/2009 07:12 PM

S3 Account Manager

S3 Account Preferences

Account Name: test@rjonna.com

Access Key: 1AW6VSV6TSD343MKNFJ82

Secret Key: .....

Add Remove Clear

hint: Press 'Clear' button to add a new account

Account Name: test.s3fox

Current Tasks:

Regular Transfer Synchronized Folders Transfer Log

Clear Pause Clear Completed Retry Failed Tasks

File Name	From	To	Type	Progress	Status
test.txt	C:\test	/mybucket-t...	Upload (100...	<div style="width: 100%;"></div>	Completed
test - Copy.txt	C:\test	/mybucket-t...	Upload (100...	<div style="width: 100%;"></div>	Completed

Current Tasks:

Refreshing...

Regular Transfer Synchronized Folders Transfer Log

Clear Show only errors

- 7:56:37 PM Listing files - /aad-add/
- 7:55:59 PM Listing files done - /aad-add/, Fetched 8 rows
- 7:55:56 PM Listing files - /aad-add/
- 7:51:27 PM Listing files done - /, Fetched 21 rows
- 7:51:20 PM Listing files - /
- 6:46:05 PM Listing files done - /, Fetched 21 rows
- 6:45:59 PM Listing files - /
- 5:53:12 PM Listing files done - /suchisoft/, Fetched 7 rows
- 5:53:11 PM Listing files - /suchisoft/

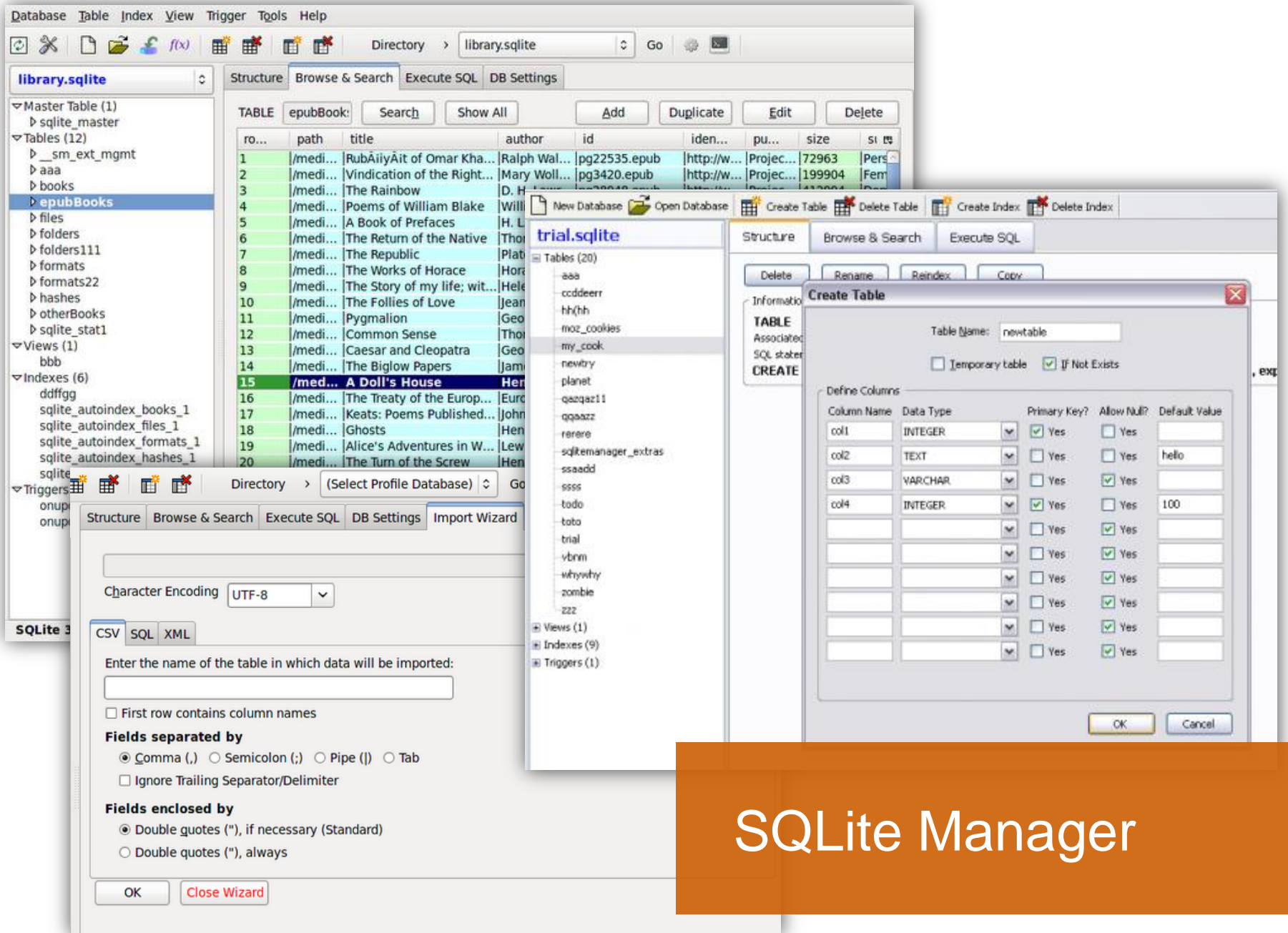
S3 Firefox Organizer

Manage Accounts rjonna@rjonna.com Synchronize Folders Preferences

Remote View Transfer View Sync Folder Transfer Log

File Name	File Size(KB)	Upload Time
aaad	0	10/30/2007 02:06 PM
aad-add	0	11/23/2008 06:51 PM
afe3rewr	0	11/09/2008 01:32 PM
ahcccs	0	11/27/2007 05:48 PM
asdfg-eu1	0	10/31/2008 00:50 AM
fireuploader	0	10/16/2008 04:43 PM
fireuploader-website	0	12/24/2008 09:21 AM
jd2-d957cf322b0fd85a26f5...	0	08/04/2008 08:27 PM
kwiclick	0	10/25/2008 12:28 AM
netuploader	0	10/16/2008 04:44 PM
rahul-imp	0	12/20/2008 10:14 AM
rjonna-imp	0	05/23/2008 11:41 AM
s3foxorganizer	0	11/06/2007 09:26 AM
shobitha1	0	11/17/2008 02:21 PM

S3Fox



# SQLite Manager

Web Apps are now a real alternative to desktop.

In some cases better

Exposure ?

Auto-Fix

Exposure: 0  
Contrast: 11

Advanced

OK  
Reset Cancel



Highlights 22  
Shadows 8  
Histogram  
Brightness 0  
 Local Contrast

Making life easy

“We’re at the **intersection**  
of demand and **capability**”

Darrin Massena, Dec 2005

Picnik co-founder



# HTML5: Exciting times ahead

- › Canvas
- › Storage
- › Video
- › Drag + Drop

Adoption is a barrier

Not everybody is an **early-adopter**,  
some will take a **while**.



We'll pick cherries

... and concentrate on value



Thanks  
for  
listening

@soxley

# Credits

Bootstrapping: [http://blog.guykawasaki.com/2006/01/the\\_art\\_of\\_boot.html](http://blog.guykawasaki.com/2006/01/the_art_of_boot.html)

Balance: <http://www.flickr.com/photos/archeon/2941655917/>

The Matrix: Warner Bros. Pictures 1999

Blank canvas: <http://rainbowstripe.wordpress.com>

Stickman: Original artwork by @soxley

Illusion: <http://www.flickr.com/photos/enet/26521372/>

HP OpenView: <http://fajri.freebsd.or.id/index.php/2007/07/29/>

OpenOffice Toolbar: <http://www.openofficetips.com/2006/01/28/toolbar-crazy/>

Naughty Children: <http://www.funny-games.biz/pictures/728-naughty-children.html>

Mt Cook, NZ : Original photography by @soxley

Two-man Sled: <http://www.flickr.com/photos/johnmcnab/4216604416/>

Titled Barrel: <http://www.geograph.org.uk/photo/299980>

Spinning Plates: <http://www.globeparty.com>

Line-out: <http://www.flickr.com/photos/woesinger/1464460733/>

Keep it Simple: <http://www.flickr.com/photos/wilderdom/3340381990/>

Lever: <http://en.wikipedia.org/wiki/File:Palanca-ejemplo.jpg>

Mixing Desk: <http://www.flickr.com/photos/teliko82/3227659253/>

Mandelbrot: [http://resumbrae.com/ub/dms423\\_f05/06/](http://resumbrae.com/ub/dms423_f05/06/)

Tools: <http://www.flickr.com/photos/19646481@N06/4299545598/>

From the bridge: [http://commons.wikimedia.org/wiki/File:Watching\\_operations\\_from\\_the\\_bridge.jpg](http://commons.wikimedia.org/wiki/File:Watching_operations_from_the_bridge.jpg)

Locomotive plans: Tools: <http://www.flickr.com/photos/19646481@N06/4299545598/>

Picnik: <http://socialinnovationperspectives.blogspot.com/2010/02/guest-post-innovation-giving-birth-to.html>

Cherries: <http://www.flickr.com/photos/43927576@N00/3655970324>

Piggy Bank: <http://www.flickr.com/photos/alanclaver/4279482716/>