

# Outils pour développeurs “intégrés”

Ateliers Paris Web 2013 – 12/10/13

@tbassetto



FAIR WARNING:  
THIS DECK ISN'T HELPFUL IF YOU  
WEREN'T AT THE WORKSHOP.  
PLEASE VISIT  
[HTTP://TBASSETTO.GITHUB.IO/  
DEVTOOLS-RESOURCES](http://tbassetto.github.io/devtools-resources)



ATTENTION:  
CES SLIDES SEULS SONT PEU UTILES.  
VISITEZ  
[HTTP://TBASSETTO.GITHUB.IO/  
DEVTOOLS-RESOURCES](http://tbassetto.github.io/devtools-resources)



# Chrome Dev Summit

**CONNECTING YOU WITH CHROME ENGINEERS.**

MOUNTAIN VIEW, CA AND ONLINE STREAMING FOR ALL.  
NOVEMBER 20 - 21, 2013.



# Plan

- Mise en place
- Généralités
- IDE
- Exemples (Joshfire.com, hakim.se, theex.com, Soundrop leaks)
- Mobile

Mise en place

# Utiliser les nightlies



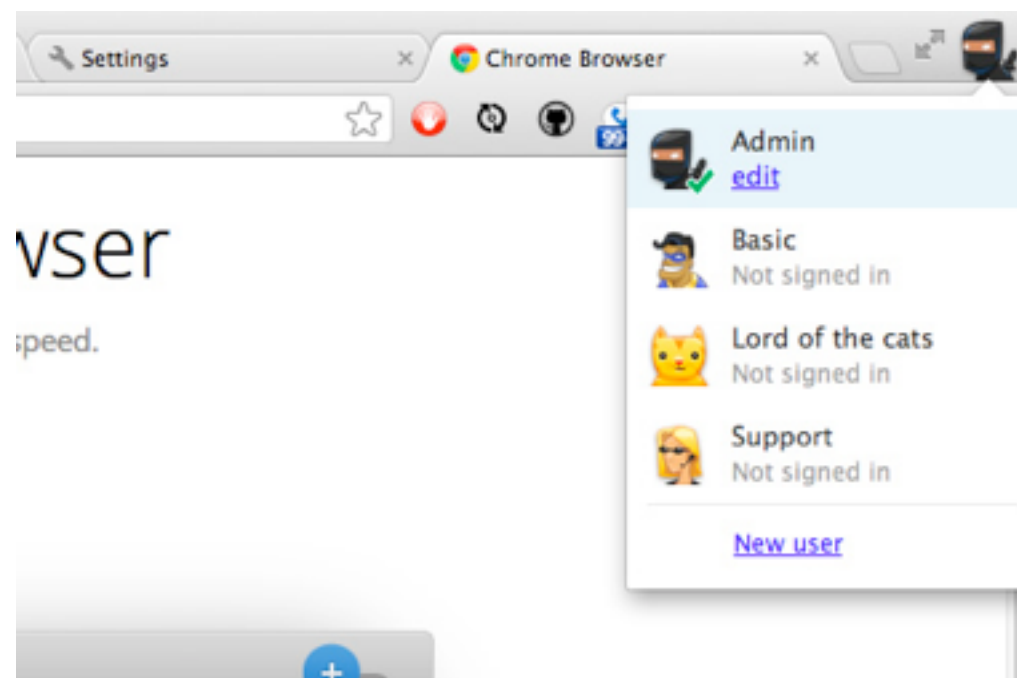
<https://www.google.com/intl/en/chrome/browser/canary.html>



<http://nightly.mozilla.org>  
<http://getaustralis.com>

# Chrome

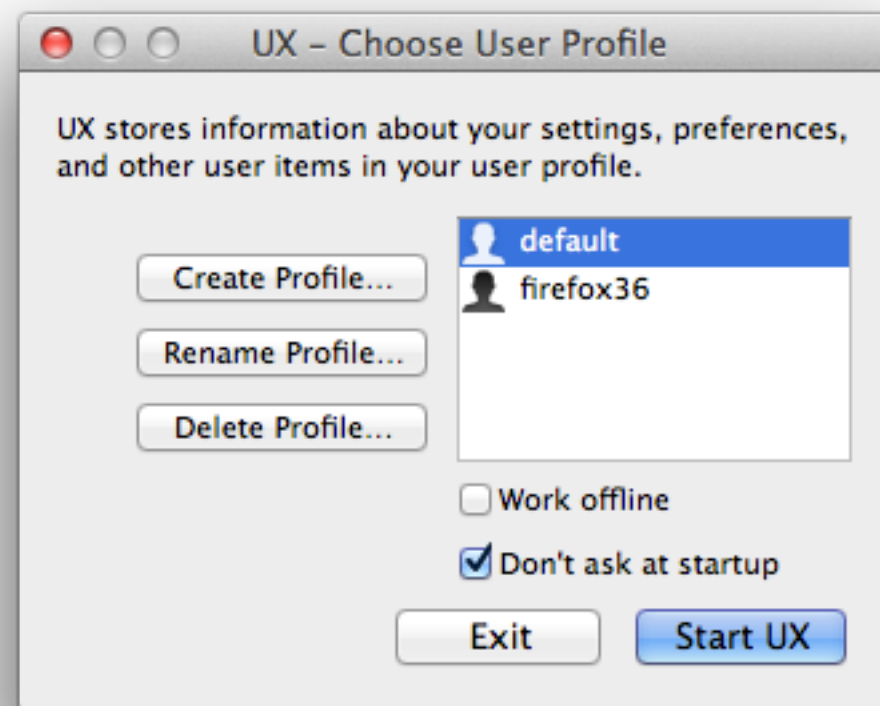
- Mode Incognito
- Nouveau profil Chrome
- `--user-data-dir=/dev/null`

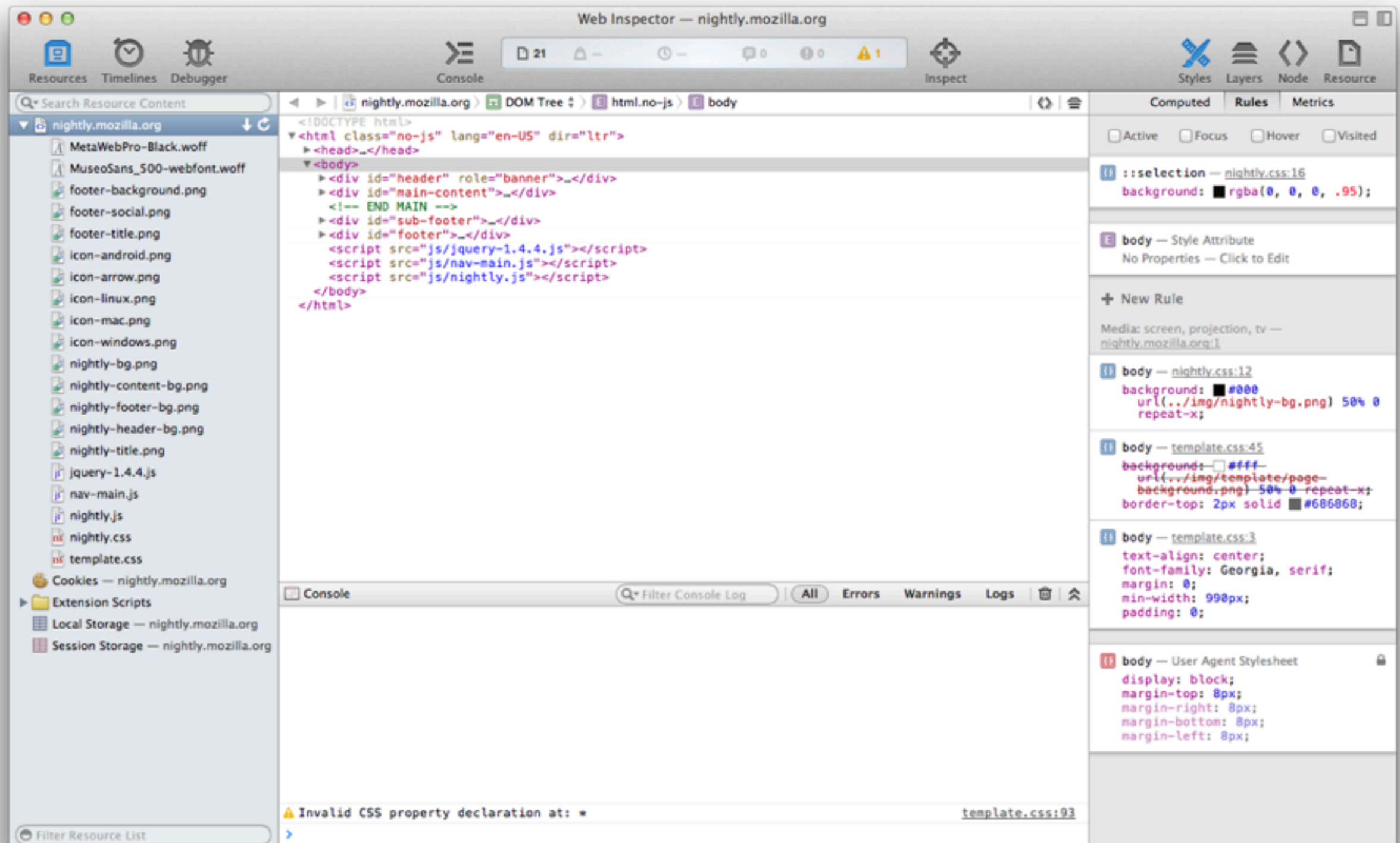




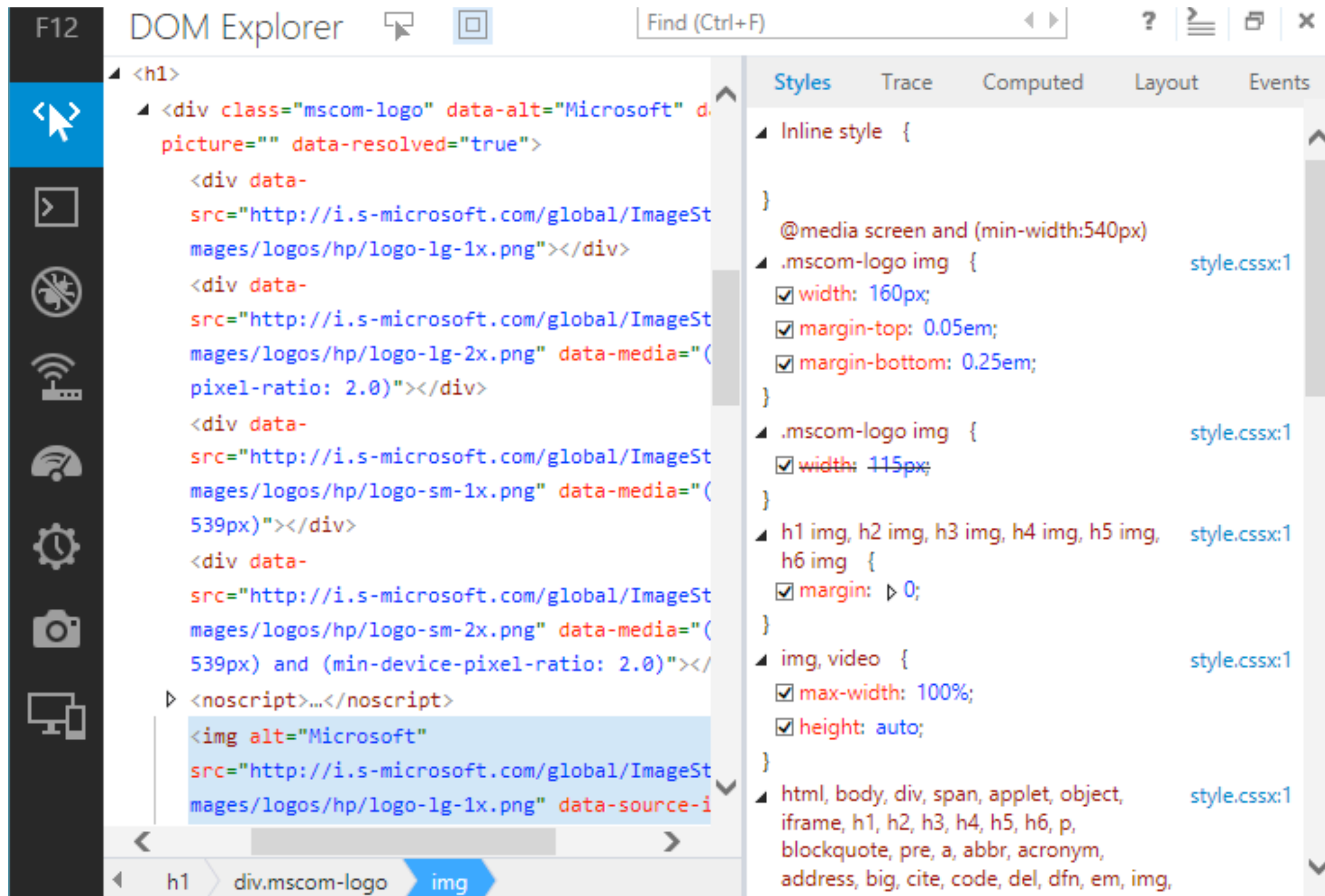
# Firefox

- Utiliser le Profile Manager!





# WebKit.app (Safari 6.1)



# Internet Explorer 11



# Généralités

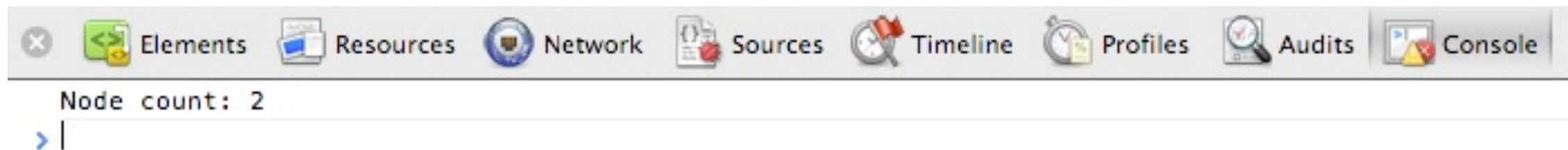
# Elements

- Drag-and-drop
- “h”
- ← + Ctrl/Cmd-Z
- word-wrap
- ::before / ::after
- Scroll Into View
- “Incrémentation”
- Safari FFE
- Cmd + ↑
- “Computed” chain

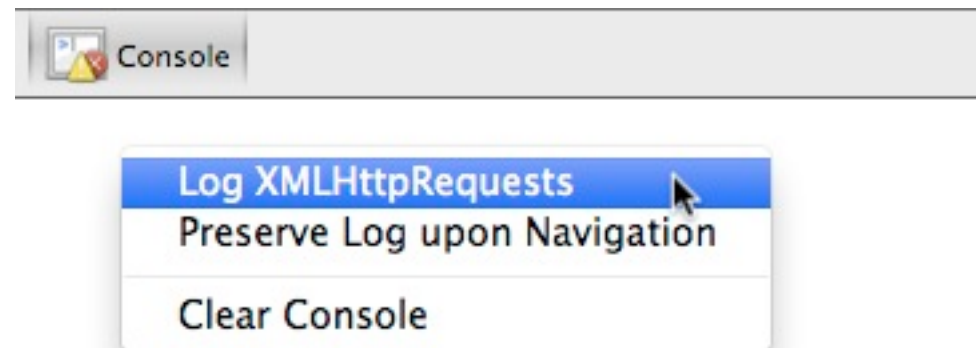
# La console



# console.log



# console.log



# console.log

```
console.log("Node count:", a.childNodes.length);  
console.log("Node count: " + a.childNodes.length);  
console.log("Node count: %i", a.childNodes.length);
```



# console.log

```
var o = {  
  prop: "coin"  
};
```

```
console.log("Node count:", o);  
console.log("Node count: " + o);  
console.log("Node count: %0", o);
```

# console.log

```
function Droparea(element, options) {  
    // magic code  
};
```

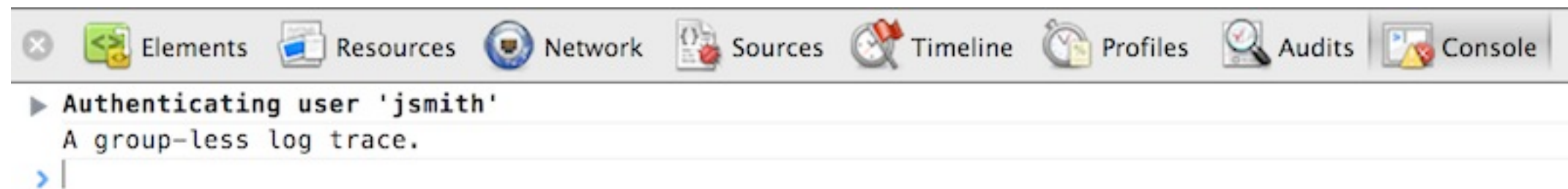
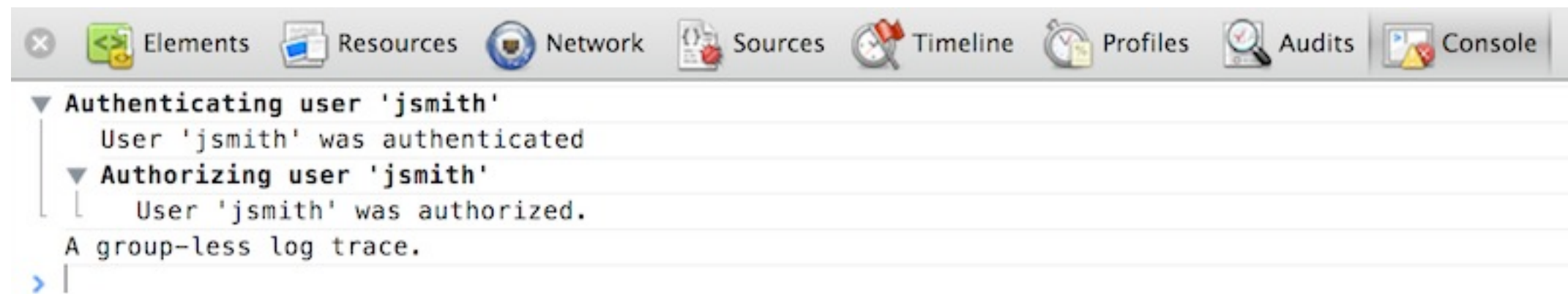
```
var d = new Droparea(document.body, {  
    scrollable: true  
});
```

```
var d2 = new Droparea($("#a"));
```

# console.group

```
var processInternalEvent = function processInternalEvent(event) {  
    if (contexts.length === 0) {  
        return;  
    }  
    var context = contexts[0];  
  
    switch (state) {  
        case 'stopped':  
            stoppedStateHandler(event, context);  
            break;  
        case 'paused':  
            pausedStateHandler(event, context);  
            break;  
        case 'playing':  
            playingStateHandler(event, context);  
            break;  
    }  
};
```

# console.group[End]

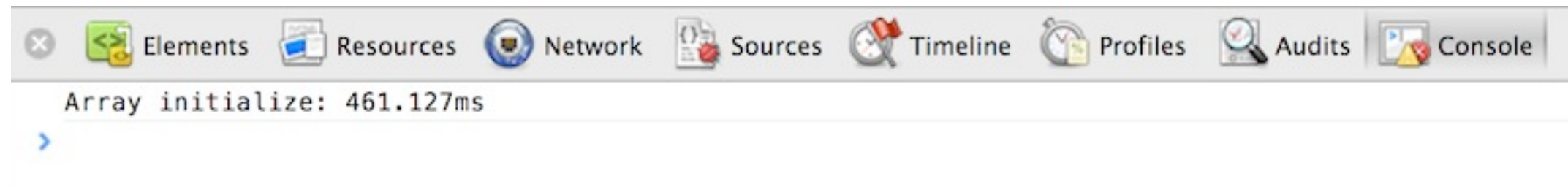




# console.time[End]

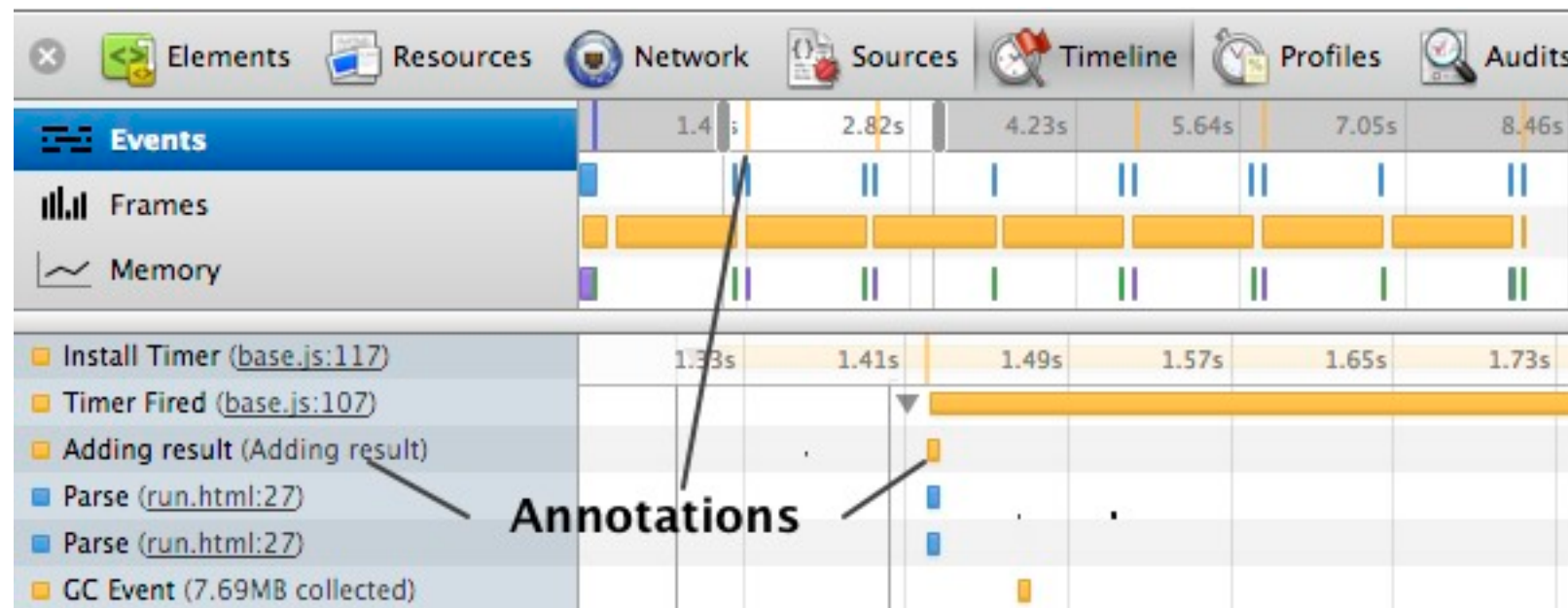
```
console.time("Array initialize");  
var array= new Array(1000000);  
for (var i = array.length - 1; i >= 0; i--) {  
    array[i] = new Object();  
};  
console.timeEnd("Array initialize");
```

# console.time[End]



# Pour la timeline

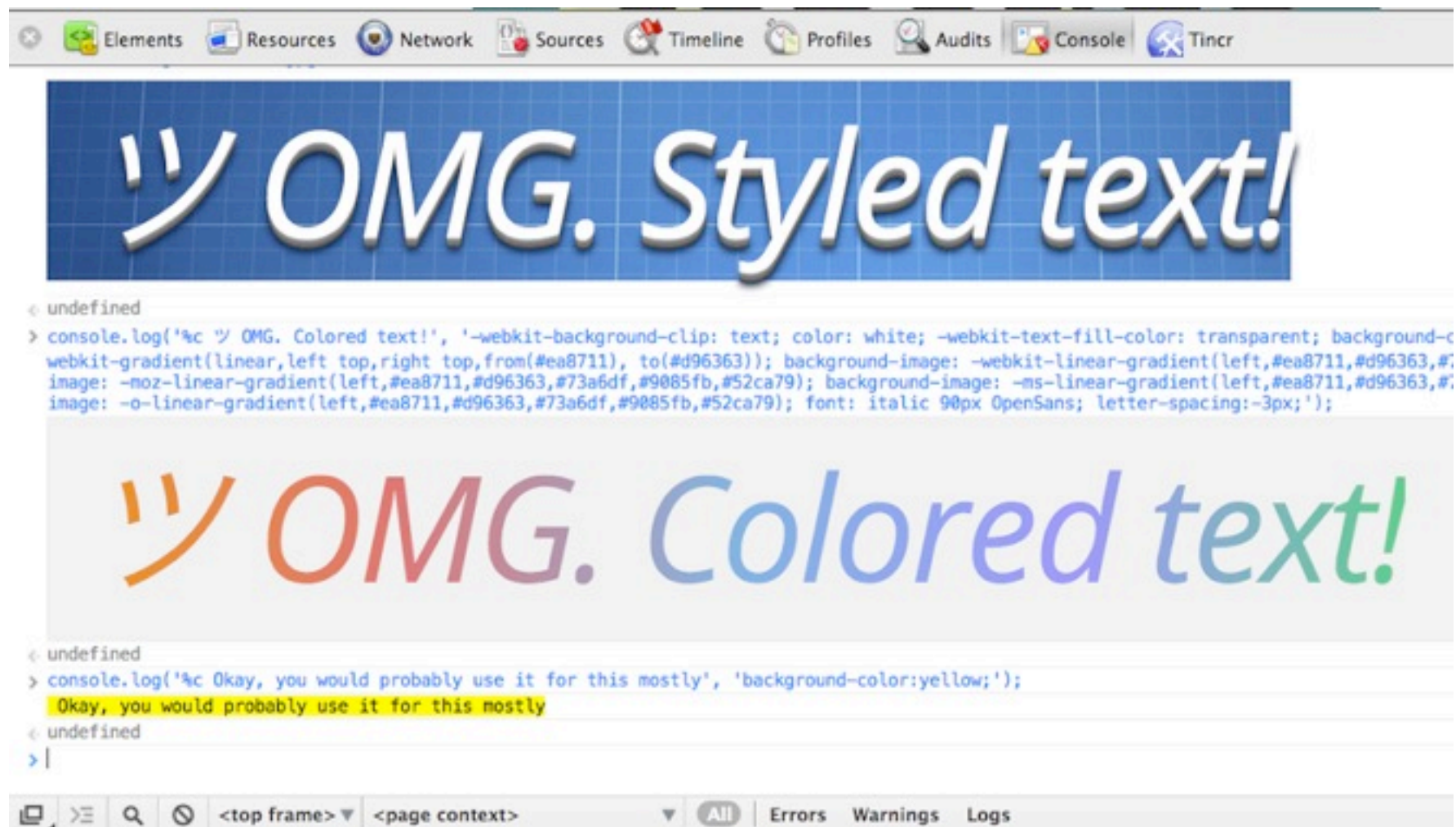
- `console.timeStamp("Adding result");`



- `console.profile[End]`

# LOL

- %c in console.log()





# LOL

- `console.log(' (´ °□°) ´ (┐┌┐) ');`

Elements Resources Network Sources Timeline Profiles »

```
> console.table([  
  {a:1, b:2, c:3}, {a:"foo", b:false,  
  c:undefined}]);
```


(index)	a	b	c
0	1	2	3
1	"foo"	false	undefined

```
< undefined  
> console.table([  
  [1,2,3], [2,3,4]]);
```

(index)	0	1	2
0	1	2	3
1	2	3	4

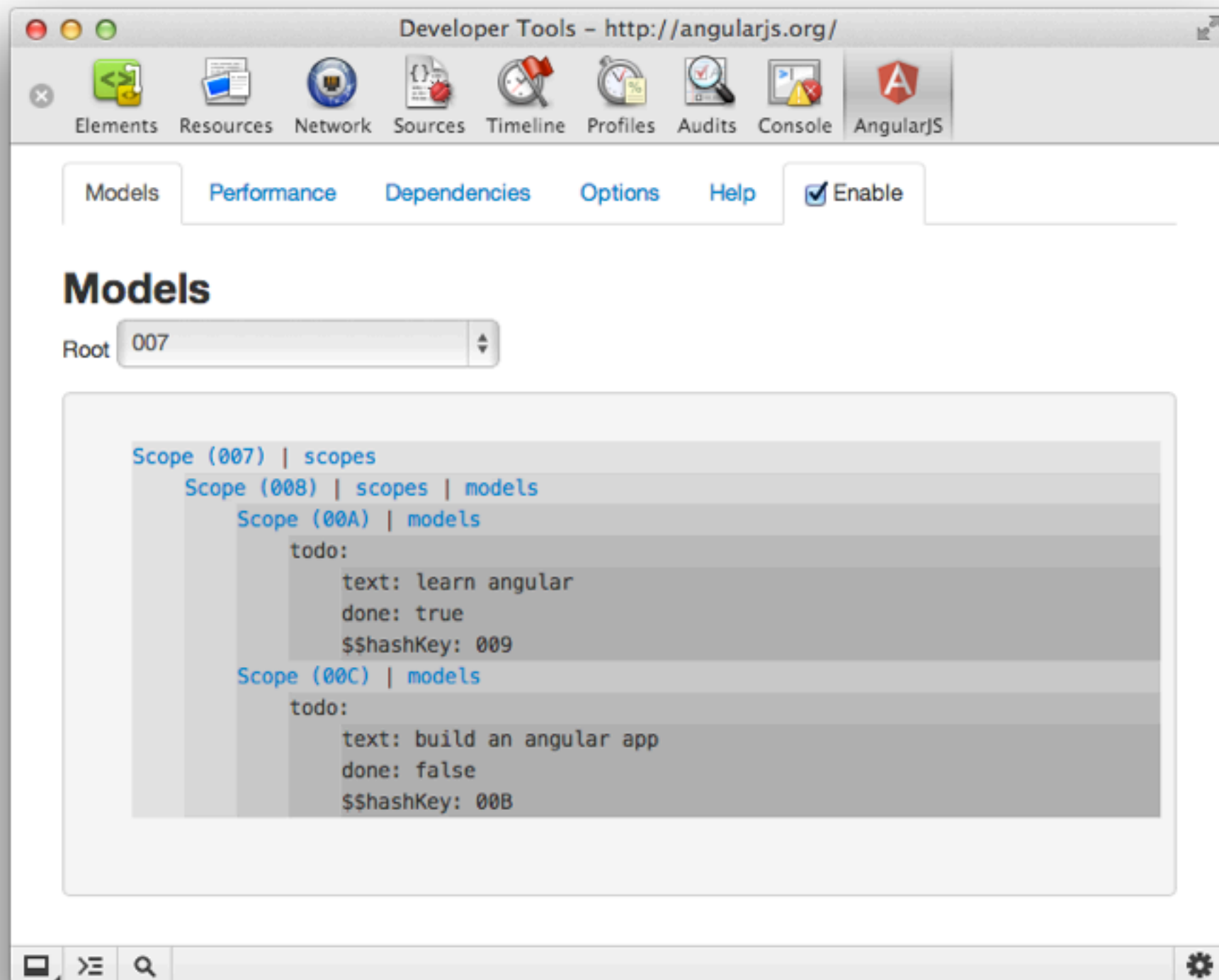
```
>
```

ponies love console.table!



# Les extensions

# AngularJS Batarang



# Ember Inspector

The screenshot displays the Ember Inspector application, which is used for debugging Ember.js applications. The top part of the image shows a Discourse sandbox interface, and the bottom part shows the Ember Inspector tool.

**Discourse Sandbox Interface:**

- Navigation Bar:** Includes links for About, FAQ, Blog, Try It (highlighted), Buy It, Meta, and Fork Us.
- Header:** Discourse sandbox logo, Log In button, and search, menu, and user icons.
- Content Area:** A table of topics with columns for Category, Participants, Posts, Likes, Views, and Activity. The first row shows a topic titled "How do I reply to folks here?" with 5 posts, 19 likes, and 380 views.

**Ember Inspector Tool:**

- Left Panel:** A tree view showing the application structure, including application, header, list/list, list/topics, and modal.
- Right Panel:** A detailed view of the selected component, showing its properties and methods. The selected component is `<Discourse.TopicList:ember678>`.
- Properties:** A list of properties for the selected component, including `inserted`, `filter`, `topics`, `can_create_topic`, `more_topics_url`, `filter_summary`, `draft_key`, `draft_sequence`, `draft`, `loaded`, and `toString`.

# Backbone DevTools

The screenshot displays the Backbone DevTools interface. At the top, a 'todos' application is shown with a list of tasks: 'What needs to be done?' (unchecked) and 'Get some milk' (checked). Below the list, it indicates '1 item left' and provides filters for 'All', 'Active', and 'Completed'.

The bottom half of the image shows the Backbone DevTools console, which is currently displaying the 'Events' tab. The console has a toolbar with various tabs: Elements, Resources, Network, Sources, Timeline, Profiles, Audits, Console, CoffeeConsole, Ember, Backbone, AngularJS, and Grunt. The 'Events' tab is selected, showing a table of events.

General	Timestamp	Object	Event
Events	1364207544176	Model:c3	sync
Syncs	1364208271033	Collection	visible
View-DOM Binding	1364208271034	Model:c3	visible
Instantiated Objects	1364208271036	Collection	filter
	1364208271036	Router	route:setFilter
	1364208271037	Router	route
	1364208271535	Collection	visible
	1364208271535	Model:c3	visible
	1364208271536	Collection	filter



# KnockoutJS Context

The screenshot displays a web browser window with a 'todos' application. The application has a header section with the word 'todos' and a main section with a list of tasks: 'What needs to be done?', 'Learn Knockout!', and 'Write a killer app'. The 'Learn Knockout!' task is marked as completed with a checkmark. The browser's developer console is open, showing the HTML structure of the application and the KnockoutJS context.

**HTML Structure:**

```
<!DOCTYPE html>
<html lang="en">
  <head>_</head>
  <body>
    <section id="todoapp">
      <header id="header">_</header>
      <section id="main" data-bind="visible: todos().length" style=_</section>
      <footer id="footer" data-bind="visible: completedCount() || remainingCount()" style=_</footer>
    </section>
    <footer id="info">_</footer>
    <script src="//www.google-analytics.com/ga.js"></script>
    <script src="components/todomvc-common/base.js"></script>
    <script src="components/knockout.js/knockout.js"></script>
    <script src="components/director/build/director.js"></script>
    <script src="js/app.js"></script>
  </body>
</html>
```

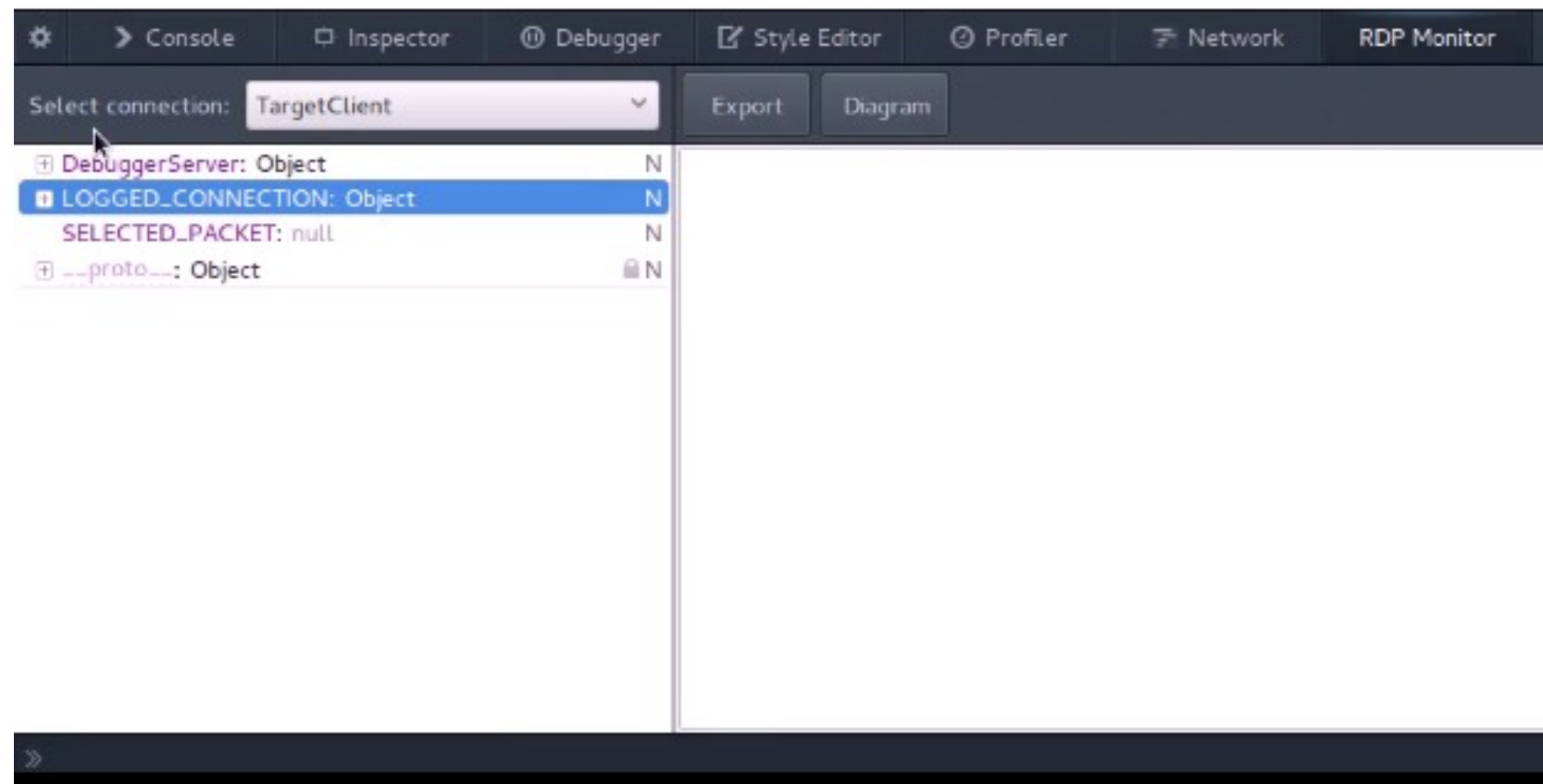
**Knockout context:**

```
allCompleted: false
completedCount: 1
current: ""
filteredTodos: Array[2]
remainingCount: 1
showMode: "all"
todos: Array[2]
  0: Object
  1: Object
    length: 2
    __proto__: Array[0]
$data: ViewModel
$parents: Array[0]
$root: ViewModel
ko: Object
vm_toJS: Object
```

# JS Term



# RDP Inspector



# Remplacer votre IDE

Quelques “demos”...





**Nicolas Lesconnec**

@nlesconnec

 Follow

The new [joshfire.com](http://joshfire.com) is out ! Free meal for the first who'll find the easter egg on the homepage

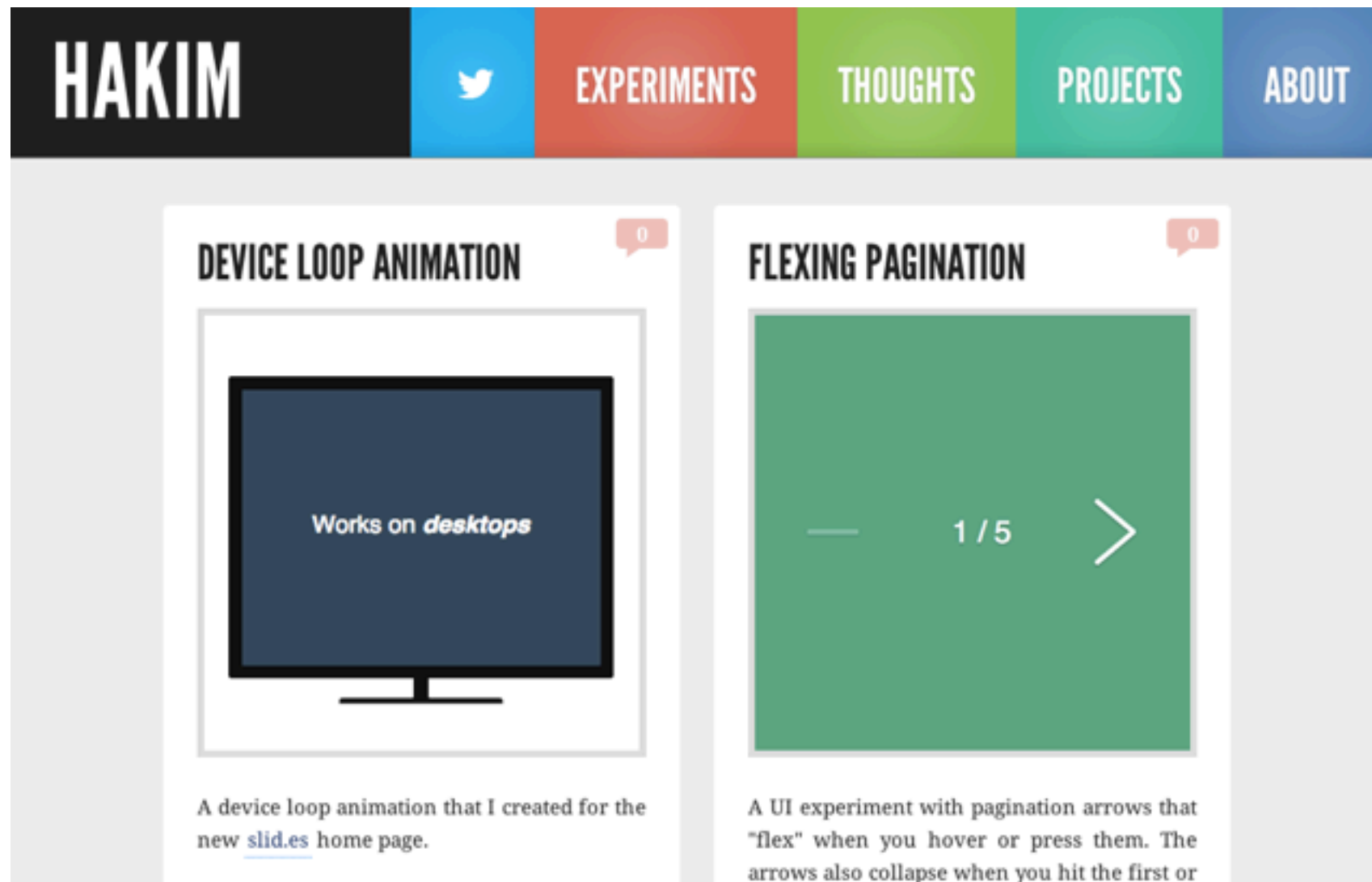
 Reply  Retweet  Favorite  More

1

RETWEET



9:42 AM - 10 Oct 13



<http://hakim.se>

# Steps

It would be great  
to use Charles to  
swap jQuery

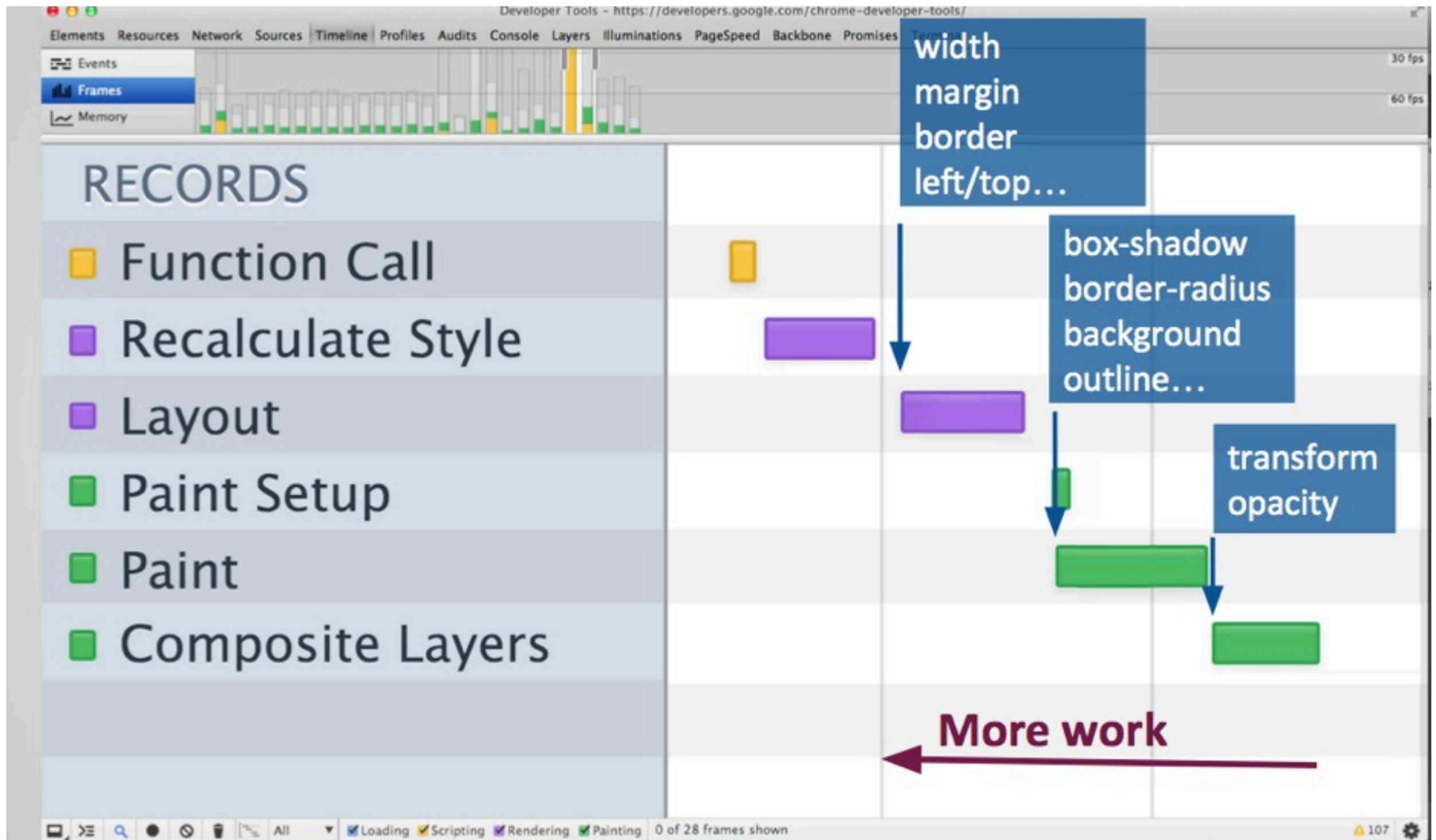
- Inspect header
- Break on scroll
- Break on SubTree Modification
- Scroll
- Pretty print
- Call Stack => non-jquery
- Observe HE, HE.header, initialize
- Use console.\* to test hypothesis
- Skip stepping demo (before/after)

Quelques rappels



<http://www.youtube.com/watch?v=9xjpmpX4NJE>

<https://speakerdeck.com/paullewis/a-developers-guide-to-rendering-performance>





### Of Interest NOW



#### Lose Something at the CNE?

All items have been transferred to the Toronto Police Property Unit. Call **416-808-3750** to enquire about your lost item.



#### 2013 CNE Ambassador of the Fairs

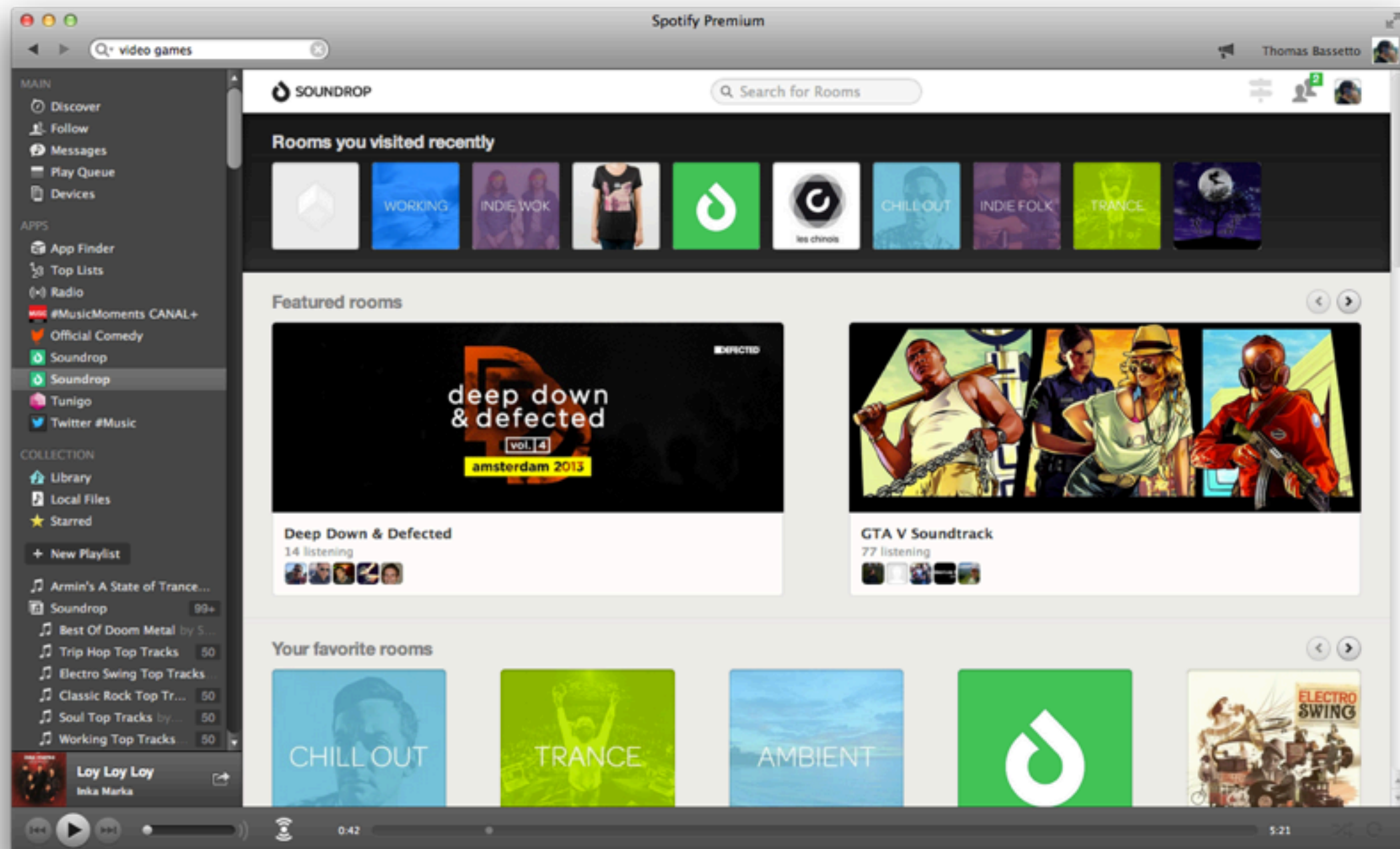
Stratford's Clare Milton was crowned the CNE's 2013 Ambassador of the Fairs on August 18th



#### Watch Steven & Chris on the Zip Line

The CBC duo enjoy the fun of the fair!

<http://theex.com>



# Soundrop (beta)