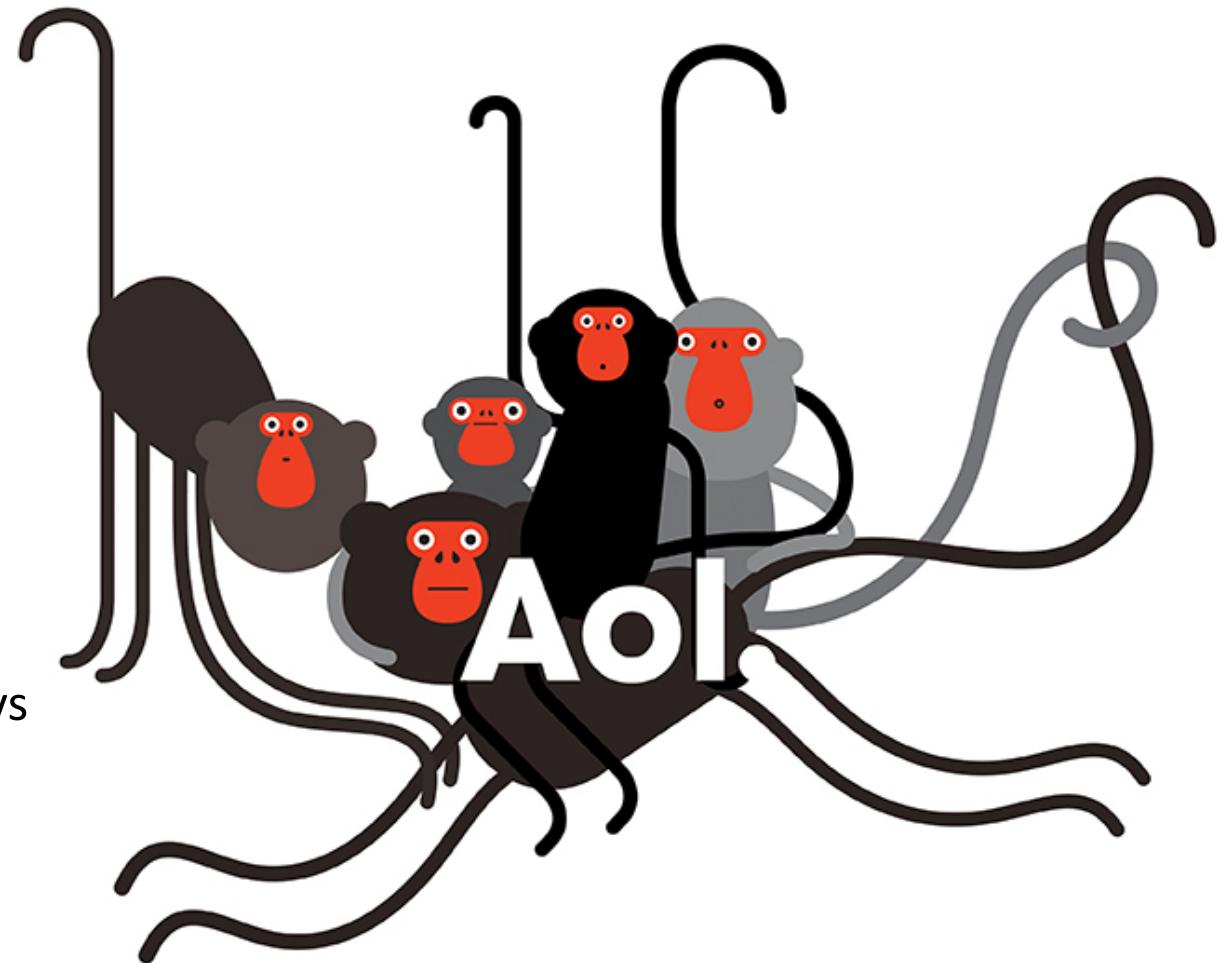


jQuery in the [Aol.] Enterprise

Presented to jQuery monkeys
October 17, 2010



Who am I?

Dave Artz

Tech Director, AOL Content Platform Standards & Support

I help AOL engineers and editors build quality web sites.



aisle
dash

Aol.

Asylum

Aol Autos.

autoblog

BLACKVOICES

The
BOOMBOX

the Boot

cambio

 Cinematical

**COMICS
ALLIANCE**

DailyFinance

DIY

engadget

FANHOUSE

GADLING

games.com

Aol Health.

HOLIDASH

Aol Jobs.

joustiq

JSYK
JUST SO YOU KNOW

kitchendaily

Aol Kids.

Aol Latino.

lemondrop

MMA

moviefone

Aol Music.

mydaily

Aol News.

NOISE CREEP

parentdish

Patch

pawnation
humans welcome

**POLITICS
DAILY**

PopCater

Aol Real Estate.

rentedspaces

shelterpop

Aol Shopping.

SLASHFOOD

Aol Small Business.

SnagFilms

spinner

stylelist

SWITCHED

TechCrunch

Aol Television.

Aol Travel.

TUAW

urlesque

Aol Video.

WalletPop

WINAMP

Aol Yellow Pages.

60+ Brands

the Boot

cambio

Cinematical

COMICS
ALLIANCE

DailyFinance

DIY
life

engadget

FANHOUSE

GADLING

games.com

Aol Health.

HOLIDASH

Aol Jobs.

joustiq

JSYK
JUST SO YOU KNOW

kitchendaily

Aol Kids.

Aol Latino.

lemondrop

MMA
FIGHTING.COM

moviefone

Aol Music.

mydaily

Aol News.

NOISE CREEP

parentdish

Patch

pawnation
humans welcome

POLITICS
DAILY

PopCater

Aol Real Estate.

rentedspaces

shelterpop

Aol Shopping.

SLASHFOOD

2.5+ Billion Monthly jQuery()'s!

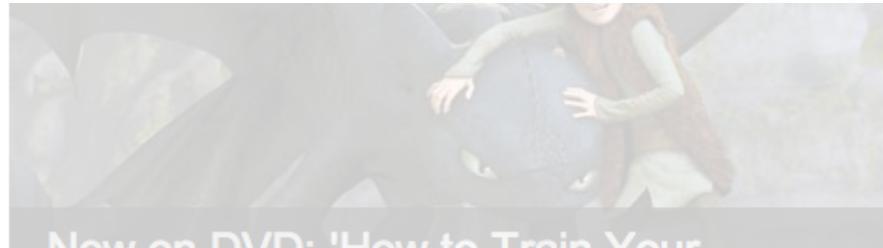
Why we like jQuery

It's Fast

It's Fun

It's not Flash?





New on DVD: 'How to Train Your Dragon'

Take home the heartwarming tale of a boy and his fire-breathing companion. *DreamWorks*

New on DVD: 'How to Train Your Dragon'

Willis, Freeman,
Malkovich Get
Starstruck

Play Trivia for a
Chance to Win Free
Movie Tickets

NOW PLAYING

COMING SOON

ON DVD

NOW PLAYING FOR FAMILY

ON DVD FOR FAMILY



Red (2010) (PG-13) Opens Fri. 10/15/10

[Movie Info](#) | [Watch Trailer](#) | [Get Showtimes](#)



149 people like this.

There are currently no movie reviews available at this time.

jackass



experience it in realD® 3D and digital 3D

In theaters Friday

ADVERTISEMENT

Follow Us



Newsletter



Facebook



Twitter



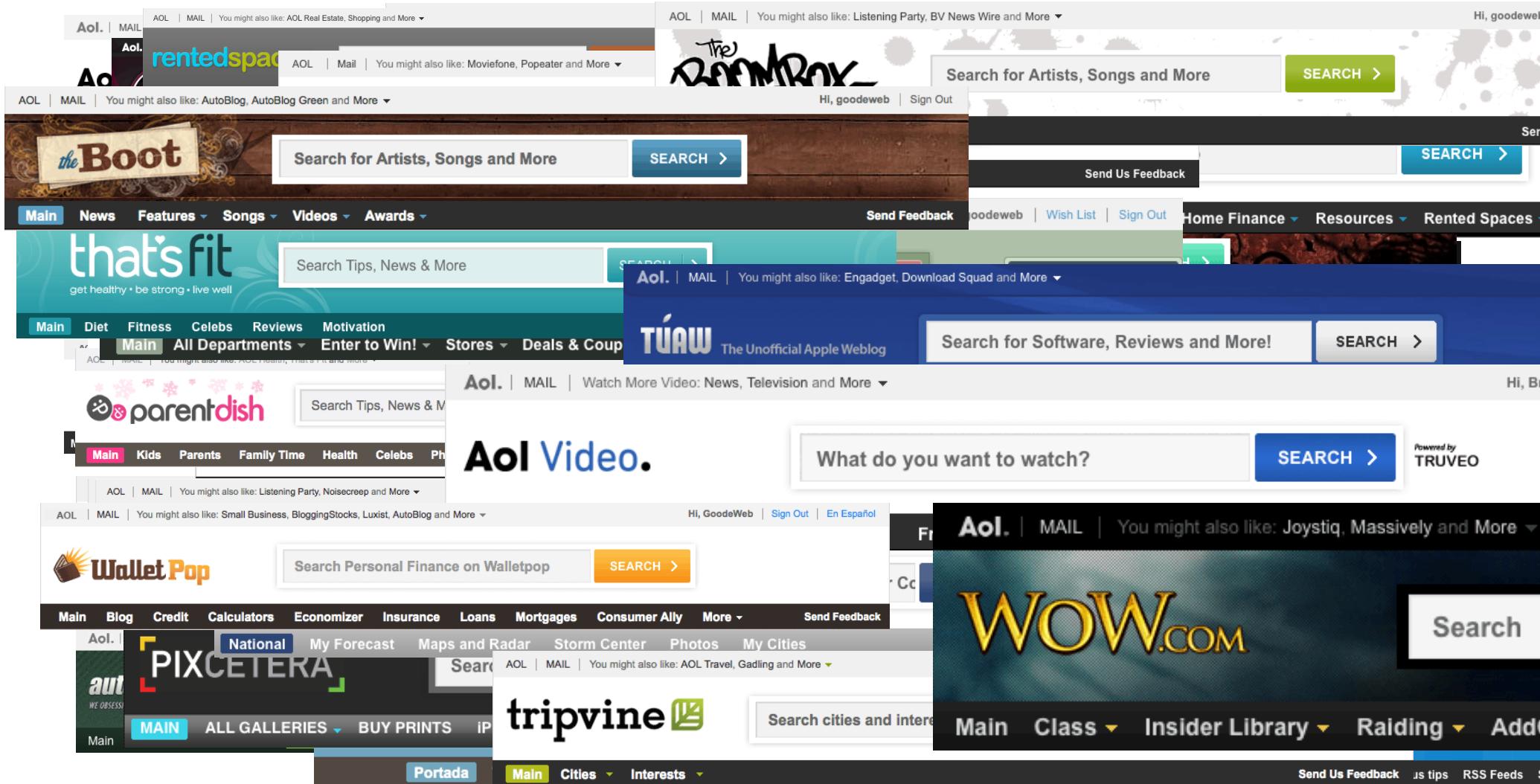
RSS

www.moviefone.com

AOL Plugin Conventions

Global Header

Built to scale across 100+ sites with unexpected business needs
Successfully rolled out to all sites in a few weeks



Goals for our standard plugin pattern

Maintainability

Extensibility

Performance



Default options are globally configurable

Not using a selector allows you to set new default options.

Instances can always override default options.

```
// I'm better than the default.  
$.aolWidget({  
    initialTab: 2  
});  
  
$("#aol-widget").aolWidget()  
  
// I kinda think the first tab  
// should be default.  
$("#another-aol-widget").aolWidget({  
    initialTab: 1  
})
```

Options are available externally via data API

Options object holds a bunch of stuff, as you'll see.

```
// Inside plugin  
$elem.data( "options." + namespace, options );
```

```
// Inside app accessing widget.  
var $aolWidget = $("#aol-widget"),  
    options = $aolWidget.data("options.aolwidget");  
  
alert( "My initial tab was " + options.initialTab );
```



All names are customizable via options

Define a namespace

Class attribute names

Data variable names

Custom event names

```
namespace: "aolwidget",
names: {
  class: {
    activeTab: "active-tab",
    activePanel: "active-panel"
  },
  data: {
    tabIndex: "tabindex."
  },
  event: {
    tabChange: "tabchange."
  }
},
```

“UI” option param holds selector information

Developers can override default selectors.

Used for event binding/delegation.

Used for doing find()'s internally.

```
var defaultOptions = {  
    initialTab: 1,  
    ui: {  
        tabs: "h3.tab",  
        panels: "div.panel"  
    }  
}
```



It also holds cached jQuery objects

Local vars increase performance

Rule of thumb, never look up same elements twice

`$().find()` is fast; limits context to widget DOM

Use `$().filter()` and `$().children()` too; avoid full-on selectors

```
var $tabs = ui.$tabs = $elem.find( ui.tabs ),  
    $panels = ui.$panels = $elem.find( ui.panels );
```



Event handlers delegate from the container

Always namespace events

Events call a core function, pass element as “this”

```
$elem.delegate( ui.tabs, "click." + namespace, function(){
    core.selectTab.call(this);
});
```

Never use .live(), rarely use .bind()

```
$(document).delegate(".tab", "click.tabs", function(){...});
$(".tab").live("click.tabs", function(){...});
```

While the above statements are functionally equivalent, .live() must first select the elements before attaching the handler.

Slow selectors like class names cause pain in IE6/7 (still 40% of our users) and can lead to pegged CPUs.



“Sting. Sting would be another person who’s a hero. The music he’s created over the years, I don’t really listen to it, but the fact that he’s making it, I respect that.” – *Hansel*



ADD THIS

jQuery Performance Rules

Apr '09

8

Once upon a time, all we needed to worry about was reducing Bytes and Requests and playing around with load order to make things faster. Nowadays, we are increasingly impacting one more major component in performance - CPU utilization. Using jQuery and other frameworks that make selecting nodes and DOM manipulation easy can have adverse affects if you’re not careful and follow some simple practices for reducing the work the browser has to do.

1. Always Descend From an `#id`
2. Use Tags Before Classes
3. Cache jQuery Objects
4. Harness the Power of Chaining
5. Use Sub-queries
6. Limit Direct DOM Manipulation
7. Leverage Event Delegation (a.k.a. Bubbling)
8. Eliminate Query Waste
9. Defer to `$(window).load`
10. Compress Your JS
11. Learn the Library

Topics

- Accessibility (1)
- ArtzStudio (2)
- Books (1)
- Code (3)
- Performance (7)

Trigger custom events

Pass in helpful data like the element responsible and options

Remember to namespace

```
// At the end of the core.selectTab() function...
$tabElem.trigger( eventNames.tabChange + namespace,
  [ tabIndex, $elem, options ] );
```

This is how other widgets can react to yours:

```
// Inside some other library
$(document).bind("tabchange.aolwidget",
  function( event, tabIndex, $elem, options ){
    alert( "Neat! The tab was changed to " + tabIndex);
    $elem.fadeOut(); // Make it go away.
});
```



Provide interface to override core functions

Keeps developers from rolling their own version, branching code

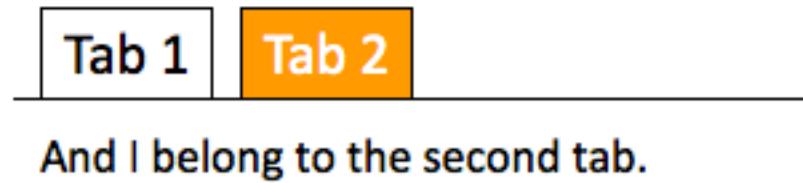
Desired features can be quickly tested and implemented

Functions have access to options, variables and current state via the Data API

```
var $aolWidget = $("#aol-widget");
$aolWidget.aolWidget({
  core: {
    selectTab: function(){
      // I think tabs should work this way instead.
      var tabElem = this,
          $tabElem = $(tabElem),
          options = $aolWidget.data("aolwidget.options"),
          $ui = options.$ui,
          $tabs = $ui.$tabs;
      ...
    }
  }
});
```

Plugin Demo

<http://jsbin.com/elufo5/>



3rd Party Widgets

Wrap every 3rd party widget in a jQuery plugin

Standardize default experience

Universally address issues

Optimize performance

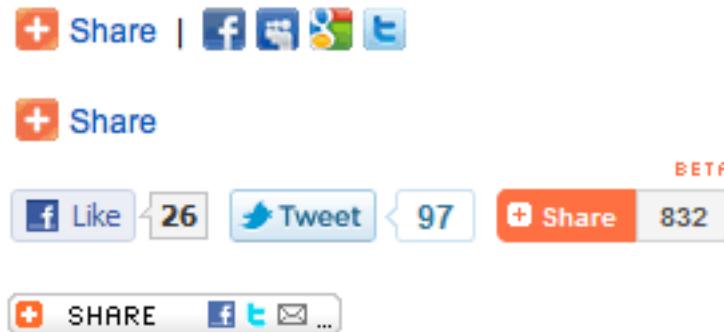


Standardize design across sites

Optimize interface based on analytics

Roll out changes to all sites in a matter of hours

Addthis Defaults



AOL Default



Control CSS straight from JS

Reduces an HTTP request

Easily overridden via plugin options

```
$.inlineCSS( options.css );
```



\$.inlineCSS

Idea borrowed (stolen) from Stoyan Stefanov (buy his book!)

```
(function( $, doc ){
    $.inlineCSS = function( css ) {
        var style = doc.createElement("style"),
            textNode,
            head = doc.getElementsByTagName("head")[0];
        style.setAttribute( "type", "text/css" );
        if (style.styleSheet) { // IE
            style.styleSheet.cssText = css;
        } else { // The World
            textNode = doc.createTextNode( css );
            style.appendChild( textNode );
            head.appendChild( style );
        }
    })
})( jQuery, document );
```

<http://www.phpied.com/dynamic-script-and-style-elements-in-ie/>



We can quickly react universally to...

Performance, availability problems

Tracking problems

Changes in privacy policies, business relationships

Shifts in product direction





Search for Artists, Songs and More

SEARCH >

[Main](#) [News](#) [Features](#) ▾ [Songs](#) ▾ [Videos](#) ▾ [Awards](#) ▾ [Radio](#) ▾ [AOL Music Sites](#) ▾ [Lyrics](#) [Send Feedback](#)

Features

- [Home](#)
- [ACM Awards](#)
- [Band Name Stories](#)
- [Best Albums Of '09](#)
- [Best Cheating Songs](#)
- [Best Drinking Songs](#)
- [Best Flat Broke Songs](#)
- [Best Friend Songs](#)
- [Best Love Duets](#)
- [Best Patriotic Songs](#)
- [Best Songs Of 2010](#)
- [Best Summer Songs](#)
- [Break Up Songs](#)
- [Catchy Songs](#)
- [Country's Biggest Feuds](#)
- [Frugal Fridays](#)
- [Hottest Bachelors](#)
- [Interviews](#)
- [New Faces](#)
- [Photo Of The Week](#)
- [Road Trip Songs](#)
- [Sad Love Songs](#)

Best Country Drinking Songs: No. 21

Posted by The Boot Staff

Comments [3]

[Like](#) 6[Email](#) [f](#) [t](#) [y](#) [m](#) [+](#) More

'Sunday Mornin' Comin' Down'

—Johnny Cash (1970)

Cheers-worthy lines: "I woke up Sunday morning / With no way to hold my head that didn't hurt / And the beer I had for breakfast wasn't bad / So I had one more for dessert."

Kris Kristofferson wrote this while working as a janitor at Columbia Records. Cash's version went all the way to No. 1, and Kristofferson dropped the mop for good.

[Previous](#) [Next](#)Filed under: [Countdown](#)[Email](#) [f](#) [t](#) [y](#) [m](#) [+](#) More

Related Articles

- [From The Boot](#)
- [Johnny Cash's Last Songs Inspire Churchgoers](#)
- [Drive-By Truckers Roll With Their Country Influences](#)
- [Ke\\$ha Contemplating Switch to Country Music](#)

POWERED BY

THE INCREDIBLE MACHINE

Download on
Countdown to the
10/19 Album Release
Get New Exclusive Songs Now

ADVERTISEMENT

Follow Us



Facebook



Twitter



RSS

[Contact Us](#) | [Send News Tips](#) | [Advertise with Us](#)

Most Commented On (7 days)

- [Sugarland Unsure Why People Are 'In a Huff' Over New Music \(60\)](#)
- [Taylor Swift Wins Civil Suit for Counterfeit Merchandise \(18\)](#)
- [Julianne Hough Denies Wedding Bells, Focuses on New Film \(7\)](#)
- [Ne-Yo Wants to Go Country With Lady Gaga \(6\)](#)

File Browser → Browse | OS

AOL http:// /os/filebrowser/index.jsp?node=357 Google

AOL Origin Server

File Browser Admin

Search:

CDN URL:
<http://o.aolcdn.com/os/aol/jquery.addthis.min.js>

Developer Resources:

- [DynaPub Origin Server JSP Bean](#)
- [Caching Overview](#)

1 through 10 of 12 Show: All « Previous | Next »

Version	Created By	Created On	Type	File Size	Width	Height
1	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	text/plain	1856	0	0
2	artzstudio	Thu, Apr 22, 2010, 2:37 PM EDT	application/x-javascript	1882	0	0
3	artzstudio	Fri, Apr 23, 2010, 10:24 AM EDT	text/plain	1938	0	0
4	artzstudio	Fri, Apr 23, 2010, 11:55 AM EDT	text/plain	1884	0	0
5	artzstudio	Tue, Apr 27, 2010, 11:51 AM EDT	text/plain	1992	0	0
6	artzstudio	Tue, Apr 27, 2010, 1:33 PM EDT	text/plain	1964	0	0
7	artzstudio	Thu, Jul 29, 2010, 12:39 PM EDT	application/javascript	1964	0	0
8	rishisharma08	Sun, Aug 15, 2010, 10:46 PM EDT	application/javascript	90	0	0
9	artzstudio	Mon, Sep 13, 2010, 11:38 PM EDT	application/javascript	5020	0	0
10	artzstudio	Tue, Sep 28, 2010, 2:50 PM EDT	application/javascript	5130	0	0

1 through 10 of 12 « Previous | Next »

Find: Next Previous Highlight all Match case

Done

Nuclear launch detected

```
(function($){$.addthis=function(){};$.fn.addthis=function()
{return this.hide()}})(jQuery);
```



SC2? daveartz@gmail.com



Search for Artists, Songs and More

SEARCH >

[Main](#) [News](#) [Features](#) [Songs](#) [Videos](#) [Awards](#) [Radio](#) [AOL Music Sites](#) [Lyrics](#) [Send Feedback](#)

Features

- [Home](#)
- [ACM Awards](#)
- [Band Name Stories](#)
- [Best Albums Of '09](#)
- [Best Cheating Songs](#)
- [Best Drinking Songs](#)
- [Best Flat Broke Songs](#)
- [Best Friend Songs](#)
- [Best Love Duets](#)
- [Best Patriotic Songs](#)
- [Best Songs Of 2010](#)
- [Best Summer Songs](#)
- [Break Up Songs](#)
- [Catchy Songs](#)
- [Country's Biggest Feuds](#)
- [Frugal Fridays](#)
- [Hottest Bachelors](#)
- [Interviews](#)
- [New Faces](#)
- [Photo Of The Week](#)
- [Road Trip Songs](#)
- [Sad Love Songs](#)

Best Country Drinking Songs: No. 21

Posted by The Boot Staff

Comments [3]

Like 6



'Sunday Mornin' Comin' Down'

—Johnny Cash (1970)

Cheers-worthy lines: "I woke up Sunday morning / With no way to hold my head that didn't hurt / And the beer I had for breakfast wasn't bad / So I had one more for dessert."

Kris Kristofferson wrote this while working as a janitor at Columbia Records. Cash's version went all the way to No. 1, and Kristofferson dropped the mop for good.

[Previous](#)[Next](#)Filed under: [Countdown](#)

Related Articles

From The Boot

- [Johnny Cash's Last Songs Inspire Churchgoers](#)
- [Drive-By Truckers Roll With Their Country Influences](#)
- [Ke\\$ha Contemplating Switch to Country Music](#)

POWERED BY

THE INCREDIBLE MACHINE



Countdown to the
10/19 Album Release
Get New Exclusive Songs Now

ADVERTISEMENT

Follow Us



Facebook



Twitter



RSS

[Contact Us](#) | [Send News Tips](#) | [Advertise with Us](#)

Most Commented On (7 days)

[Sugarland Unsure Why People Are 'In a Huff'](#)
[Over New Music \(60\)](#)

[Taylor Swift Wins Civil Suit for Counterfeit](#)

August 15, 2010



Search for Artists, Songs and More

SEARCH >

[Main](#) [News](#) [Features](#) ▾ [Songs](#) ▾ [Videos](#) ▾ [Awards](#) ▾ [Radio](#) ▾ [AOL Music Sites](#) ▾ [Lyrics](#) [Send Feedback](#)

Features

- [Home](#)
- [ACM Awards](#)
- [Band Name Stories](#)
- [Best Albums Of '09](#)
- [Best Cheating Songs](#)
- [Best Drinking Songs](#)
- [Best Flat Broke Songs](#)
- [Best Friend Songs](#)
- [Best Love Duets](#)
- [Best Patriotic Songs](#)
- [Best Songs Of 2010](#)
- [Best Summer Songs](#)
- [Break Up Songs](#)
- [Catchy Songs](#)
- [Country's Biggest Feuds](#)
- [Frugal Fridays](#)
- [Hottest Bachelors](#)
- [Interviews](#)
- [New Faces](#)
- [Photo Of The Week](#)
- [Road Trip Songs](#)
- [Sad Love Songs](#)

Best Country Drinking Songs: No. 21

Posted by The Boot Staff

Comments [3]

Like 6

 |



'Sunday Mornin' Comin' Down'

—Johnny Cash (1970)

Cheers-worthy lines: "I woke up Sunday morning / With no way to hold my head that didn't hurt / And the beer I had for breakfast wasn't bad / So I had one more for dessert."

Kris Kristofferson wrote this while working as a janitor at Columbia Records. Cash's version went all the way to No. 1, and Kristofferson dropped the mop for good.

[Previous](#) [Next](#)
Filed under: [Countdown](#)
 |

Related Articles

From The Boot

- [Johnny Cash's Last Songs Inspire Churchgoers](#)
- [Drive-By Truckers Roll With Their Country Influences](#)
- [Ke\\$ha Contemplating Switch to Country Music](#)

POWERED BY

September 13, 2010

Sugarland
THE INCREDIBLE MACHINE

Countdown to the
10/19 Album Release
Get New Exclusive Songs Now

Download on iTunes

ADVERTISEMENT

Follow Us



Facebook



Twitter



RSS

 Contact Us | Send News Tips | Advertise with Us

Most Commented On (7 days)

Sugarland Unsure Why People Are 'In a Huff'
Over New Music (60)

Taylor Swift Wins Civil Suit for Counterfeit

Soleil may be no Derek Jeter, but maybe after some training, she'll start batting higher.

Afghan Hound - Soleil on the baseball field



[Continue Reading](#) ▶



Enter to Win a Pet Carrier, Cat Litter, Deluxe Dog Bed, a Year of Dog Food and More

by Paw Nation Staff ([Subscribe to Paw Nation Staff's posts](#))
Oct 13th 2010 @ 1:00PM Filed Under: Giveaways



Meet the

Meet the Breeds is coming this weekend, Oct. 16-17! But you don't have to wait to get in on the fun. Many of our sponsors are giving away great prizes right now.

Meet the Breeds



Paw Nation is the official blog of Meet the Breeds, October 16-17, 2010. Click [here](#) for special stories and prizes! Be sure to keep checking back!

Today's Popular Articles

-  [Countdown to Meet the Breeds - Pet Brands AKC Treats and Rawhides Giveaway](#)
-  [Countdown to Meet the Breeds - Win \\$100 Worth of AKC GOLD Products!](#)
-  [Countdown to Meet the Breeds - ADT Safety Bundle Giveaway](#)

Featured Video



September 13, 2010

Case Study: Facebook Social metrics impact

In Firefox 2 and IE browsers without Flash, FB.init() opens a hidden <iframe> that loads the page the user is currently on

Page views were inflated across our network

More importantly, so were ad impressions

Facebook referrals were through the roof!



The fix:



Be the first of your friends to like this.

<http://wiki.github.com/facebook/connect-js/custom-channel-url>

```
options: {  
  status: true,  
  cookie: true,  
  xfbml: false, // Parse XFBML manually for optimal performance.  
  channelUrl: domain + "/_uac/aol-facebook-social-channel.html"  
},
```

Improving performance of 3rd party widgets

Load only when needed

Throttling

Top Technology Stories

- 219 The iPhone's Spell-Correct is a Piece of Shut
- 160 Build a \$200 Linux PC
- 157 Researchers create portable, solar-powered water desalination system
- 151 Benoit Mandelbrot, RIP
- 144 How to use, abuse, and leave Facebook Groups

See more Technology stories on Digg.com

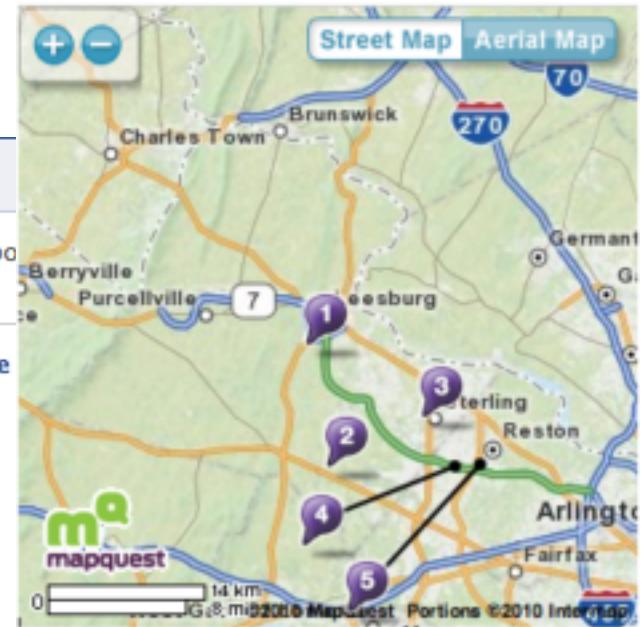
Recent Activity

Login You need to be logged into Facebook to see your friends' activity

- Platform Updates: Requests, Profile and More
3,683 people shared this.
- Operation Developer Love
1,033 people shared this.
- Expanding Facebook Credits
1,816 people shared this.
- New Groups, New Opportunities
1,945 people shared this.

Facebook social plugin

Map Results for 20175



Let's play count the Like buttons

AOL | Mail

Sign in / Register | Help | Feedback AOL!

moviefone BETA

Movie Times | Movies | DVD | Trailers | Reviews | Blog

Enter ZIP or Postal Code – Search Movies,

LOCATION: Leesburg, VA 20175 Edit | FAVORITE THEATERS: Add Theaters

Download Apps | Call Moviefone

Movies / Movie Theaters / United States / Virginia / Leesburg, VA 20175

Movie Theaters in Leesburg, VA 20175

Wednesday, Oct 13 Online Ticketing Only Hide Facebook Print Search

Change Date Distance up to 25 mi (23 Theaters) Change Location

↓ Tally Ho Theater
↓ Regal Fox Cinemas
↓ Regal Cinemas Countryside Cinema 20
↓ Phoenix Theatres World Gate 9 Theatres
↓ Rave Motion Pictures Reston 13

« Previous 1 2 3 4 5 Next »

Tally Ho Theater 2.6mi
19 West Market Street, Leesburg, VA 20175 | (703)777-1168
No Online Ticketing for this Theater
Add to Favorites | Map & Directions Regular Adult: \$8.75 | Regular Child: \$6.75

The Town 4:45pm | 7:15pm
R, 125 min.
Movie Info Invite Friends Text Showtimes
See if your friends like this movie. Click to login to Facebook.
 1,505 people like this.

It's Kind of a Funny Story 2:30pm | 5:00pm | 7:50pm | 10:20pm
PG-13, 101 min.
Movie Info Invite Friends Text Showtimes
See if your friends like this movie. Click to login to Facebook.
 388 people like this.

Legend Of The Guardians: The Owls Of Ga'Hoole 3D 1:50pm | 4:40pm | 7:10pm | 9:30pm
PG, 90 min. No Passes
Movie Info Invite Friends Text Showtimes
See if your friends like this movie. Click to login to Facebook.
 254 people like this.

Let Me In 12:50pm | 3:30pm | 6:10pm | 9:10pm
R, 115 min.
Movie Info Invite Friends Text Showtimes
See if your friends like this movie. Click to login to Facebook.
 593 people like this.

Life As We Know It 12:35pm | 2:10pm | 3:20pm | 4:50pm | 6:00pm
PG-13, 102 min.
Movie Info Invite Friends Text Showtimes
See if your friends like this movie. Click to login to Facebook.
 593 people like this.

QuietComfort® 15 Acoustic Noise Cancelling® Headphones
Our best headphones, quieter than ever before
[Learn more ▶](#)
BOSE

ADVERTISEMENT

Map Results for 20175

Street Map | Aerial Map



Let's play count the Like buttons

Let Me In
R, 115 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  593 people like this.

12:50pm | 3:30pm | 6:10pm | 9:10pm

Life As We Know It
PG-13, 102 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  504 people like this.

12:35pm | 2:10pm | 3:20pm | 4:50pm | 6:00pm
| 7:30pm | 8:50pm | 10:15pm

My Soul to Take 3D
R, 88 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  185 people like this.

12:30pm | 3:00pm | 5:30pm | 8:00pm |
10:30pm

Resident Evil: Afterlife
R, 100 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  355 people like this.

8:40pm

Secretariat
PG, 120 min. *No Passes*
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  653 people like this.

1:20pm | 2:20pm | 4:10pm | 5:20pm | 7:00pm
| 8:20pm | 9:50pm

The Social Network (2010)
PG-13, 120 min. *No Passes*
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  1,631 people like this.

1:40pm | 2:50pm | 4:30pm | 5:40pm | 7:20pm
| 8:30pm | 10:10pm

The Town
R, 125 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  1,527 people like this.

1:00pm | 4:20pm | 7:40pm | 10:25pm

Wall Street: Money Never Sleeps
PG-13, 136 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  900 people like this.

12:40pm | 3:40pm | 6:40pm | 9:40pm

You Again
PG, 105 min.
Movie Info ▾
[Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
  900 people like this.

1:10pm | 4:00pm | 6:50pm | 9:20pm

Let's play count the Like buttons

You Again PG, 105 min. 1:10pm | 4:00pm | 6:50pm | 9:20pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 512 people like this.

Regal Cinemas Countryside Cinema 20 9.4mi  
45980 Regal Plaza, Sterling, VA 20165 | (800)326-3264
No Online Ticketing for this Theater
[Add to Favorites](#) | [Map & Directions](#)

Alpha and Omega PG, 88 min. 1:45pm | 4:00pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 366 people like this.

Anjaana Anjaani Not Yet Rated 1:55pm | 5:10pm | 8:20pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 16 people like this.

Case 39 R, 109 min. 1:30pm | 4:05pm | 6:40pm | 9:15pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 632 people like this.

Devil (2010) PG-13, 80 min. 6:15pm | 8:30pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 1,136 people like this.

Easy A PG-13, 93 min. 1:40pm | 4:05pm | 6:25pm | 8:50pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 1,505 people like this.

Inception PG-13, 148 min. 1:00pm | 4:30pm | 7:55pm
[Movie Info](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
[Like](#) 514 people like this.

It's a Wonderful Afterlife PG-13, 100 min. 2:15pm | 4:45pm | 7:10pm | 9:40pm

Let's play count the Like buttons

Like 514 people like this.

It's a Wonderful Afterlife 2:15pm | 4:45pm | 7:10pm | 9:40pm
PG-13, 100 min.

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 2 people like this.

It's Kind of a Funny Story 2:25pm | 5:00pm | 7:35pm | 10:05pm
PG-13, 101 min.

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 388 people like this.

Legend Of The Guardians: The Owls Of Ga'Hoole 1:15pm | 3:40pm | 6:10pm | 8:40pm
PG, 90 min.

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 466 people like this.

Legend Of The Guardians: The Owls Of Ga'Hoole 3D 2:15pm | 4:45pm | 7:10pm | 9:40pm
PG, 90 min. No Passes

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 254 people like this.

Let Me In 1:30pm | 4:15pm | 7:05pm | 9:55pm
R, 115 min.

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 593 people like this.

Life As We Know It 1:00pm | 1:50pm | 3:45pm | 4:40pm | 6:30pm
PG-13, 102 min.

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 504 people like this.

My Soul to Take 3D 2:30pm | 5:15pm | 8:00pm | 10:35pm
R, 88 min. No Passes

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 185 people like this.

Secretariat 1:20pm | 2:05pm | 4:10pm | 4:55pm | 7:00pm
PG, 120 min. No Passes

[Movie Info](#) ▾

[Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 653 people like this.

Let's play count the Like buttons

Like 653 people like this.

The Social Network (2010)
PG-13, 120 min. **No Passes**

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 1,631 people like this.

The Town
R, 125 min.

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 1,527 people like this.

Wall Street: Money Never Sleeps
PG-13, 136 min.

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 900 people like this.

You Again
PG, 105 min.

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 512 people like this.

Phoenix Theatres World Gate 9 Theatres 13.1mi

13025 World Gate Drive, Herndon, VA 20170 | (703)318-9290

[Add to Favorites](#) | [Map & Directions](#)

Regular Adult: \$9.50 | Regular Child: \$7.25



Mahesh Khaleja NEW

Not Yet Rated, 155 min.

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like Be the first of your friends to like this.

Case 39
R, 109 min.

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 632 people like this.

La Scala Opera Series: Carmen
Not Yet Rated

[Movie Info](#) ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like Be the first of your friends to like this.

Legend Of The Guardians: The Owls Of Ga'Hoole 3D
11:45am | 2:30pm | 5:00pm

Let's play count the Like buttons

See if your friends like this movie. [Click to login](#) to Facebook.

 Be the first of your friends to like this.

Legend Of The Guardians: The Owls Of Ga'Hoole 3D 11:45am | 2:30pm | 5:00pm

PG, 90 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 254 people like this.

Life As We Know It 11:30am | 2:10pm | 4:50pm | 7:30pm |
10:05pm

PG-13, 102 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 504 people like this.

My Soul to Take 3D 7:50pm | 10:10pm

R, 88 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 185 people like this.

Robo 12:30pm | 4:30pm | 8:15pm

Not Yet Rated, 155 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 Be the first of your friends to like this.

Secretariat 1:00pm | 4:00pm | 6:45pm | 9:30pm

PG, 120 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 653 people like this.

The Social Network (2010) 1:45pm | 4:30pm | 7:40pm | 10:15pm

PG-13, 120 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 1,631 people like this.

Rave Motion Pictures Reston 13 14.3mi

11940 Market Street, Reston, VA 20190 | (800) 315-4000

 [Add to Favorites](#) | [Map & Directions](#)



Regular Adult: \$7.50 | Regular Child: \$7.50

Case 39

1:55pm | 5:05pm | 8:00pm | 10:35pm

R, 109 min.

[Movie Info ▾](#)

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

 632 people like this.

Let's play count the Like buttons

Case 39
R, 109 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 632 people like this.

Easy A
PG-13, 93 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 1,505 people like this.

Enthiran
1:00pm | 4:35pm | 8:05pm
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 8 people like this.

It's Kind of a Funny Story
PG-13, 101 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 388 people like this.

Legend Of The Guardians: The Owls Of Ga'Hoole
PG, 90 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 466 people like this.

Let Me In
R, 115 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 593 people like this.

Life As We Know It
PG-13, 102 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 504 people like this.

My Soul to Take
R, 88 min.
Movie Info ▾
[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)
See if your friends like this movie. [Click to login](#) to Facebook.
 240 people like this.

Secretariat
PG, 120 min.
Movie Info ▾
1:05pm | 4:10pm | 7:05pm | 10:05pm

Let's play count the Like buttons

Survey says?



Like 653 people like this.

The Social Network (2010)

PG-13, 120 min.

Movie Info ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 1,631 people like this.

12:50pm | 1:50pm | 3:40pm | 4:40pm | 6:35pm

| 7:35pm | 9:25pm | 10:25pm

The Town

R, 125 min.

Movie Info ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 1,527 people like this.

1:25pm | 4:25pm | 7:25pm | 10:25pm

Wall Street: Money Never Sleeps

PG-13, 136 min.

Movie Info ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 900 people like this.

12:45pm | 3:50pm | 7:30pm | 10:35pm

You Again

PG, 105 min.

Movie Info ▾

[Get Tickets](#) [Invite Friends](#) [Text Showtimes](#)

See if your friends like this movie. [Click to login](#) to Facebook.

Like 512 people like this.

7:40pm | 10:15pm

Results 1 - 5 of 23

« Previous [1](#) [2](#) [3](#) [4](#) [5](#) Next »

Explore Movies

Movies Now Playing
Movies Coming Soon
New on DVD
Movie Reviews
HD Movie Trailers

Explore Movie Features

Movie Blog
Family Film Guide
Unscripted
Moviefone Minute
Cinematical

Explore Movie Theaters

Movie Theaters
United States Movie Theaters
Canadian Movie Theaters

More From Moviefone

Free Giveaways
Blu-ray DVD Movies
Best Movies of 2010
Best Horror Movies

ALSO ON AOL >>

Top Movie List



Perfect movies to share
with your son

Latest News

Jenn Sterger Pics
Breast Cancer Awareness
Halloween recipes
Costume ideas
UFC 120 Results

Halloween Songs

Luxury Car Trends



What's the most popular car
color?

Top Love Songs

Listen to 100 timeless
ballads

Big Health Concern

Mom's weight may affect
child's obesity

Oddly Specific

A very effective No Parking
sign.

[Mobile Web](#) | [Moviefone Apps & Feeds](#) | [Cinematical](#) | [Moviefone UK](#) | [Moviefone Canada](#) | [TV Squad](#) | [AOL TV](#) |

[Site Map](#) | [Terms of Use](#) | [Privacy Policy](#) | [Trademarks](#) | [Advertise](#) | [Help](#) | [Get AOL](#)

© 2010 AOL Inc. All Rights Reserved.



Here's how long 56 Like buttons take to load

(With nothing else on the page)

<http://www.artzstudio.com/files/jquery-boston-2010/56-like-buttons.html>

XFBML

23.3 Seconds

356 kB

115 HTTP Requests

<iframe>

12.7 Seconds

375 kB

74 HTTP Requests

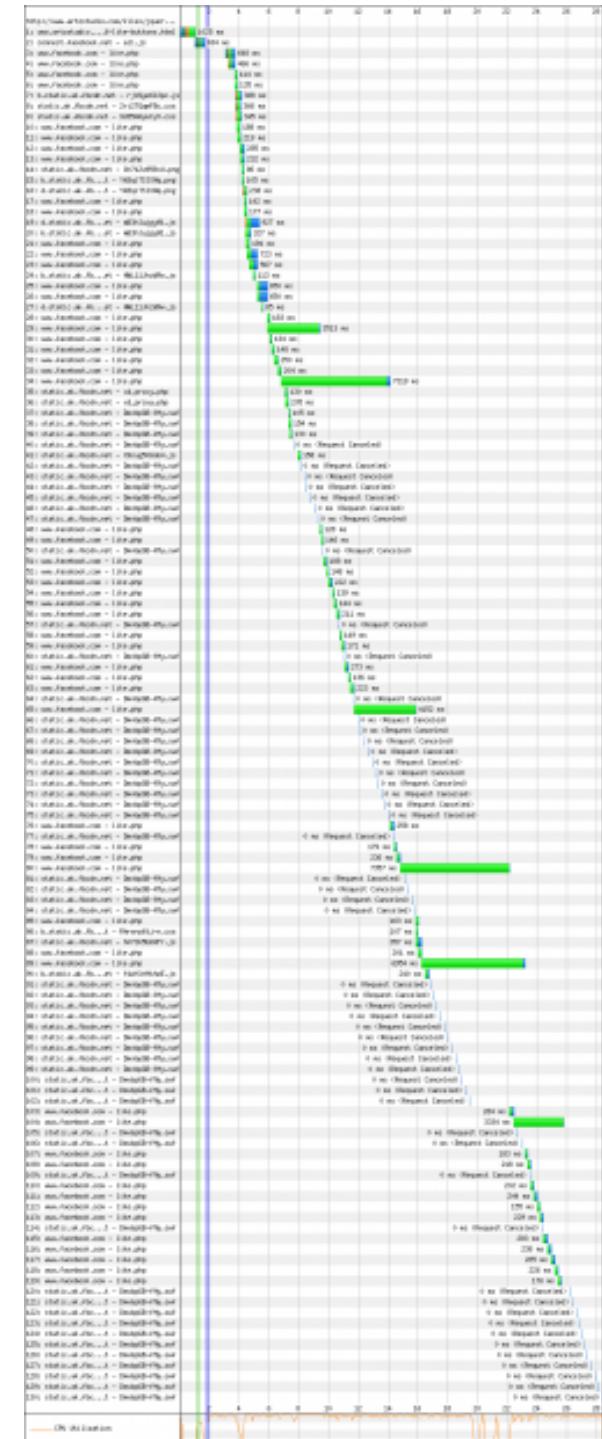


Be the first of your friends to like this.

XFBML Test: <http://goo.gl/0q4e>

<iframe> Test: <http://goo.gl/ik5v>

Source: webpagetest.org



Loading stuff in on user scroll

Many sites, mobile apps do this now

The screenshot shows a Bing Images search results page for the query "john resig". The results are displayed in a grid format. On the left, there's a sidebar with "RELATED PEOPLE" (Brendan Eich, Miguel De Icaza, Mike Shaver, Asa Dotzler, Sam Ruby, Dave Miller, Aza Raskin, Dean Edwards, Matt Mullenweg, Window Snyder), "SIZE", "LAYOUT", "COLOR", "STYLE", and "PEOPLE" filters. Below that is a "SEARCH HISTORY" section. At the bottom, there are links for "Find:" and "Done".

john resig – Bing Images

http://www.bing.com/images/search?q=john+resig&go=&form=QBIL&qs=n&sk=&

john resig

Web Images Videos Shopping News Maps More | MSN Hotmail

bing Images

John Resig

SafeSearch moderate Change

RELATED PEOPLE

- Brendan Eich
- Miguel De Icaza
- Mike Shaver
- Asa Dotzler
- Sam Ruby
- Dave Miller
- Aza Raskin
- Dean Edwards
- Matt Mullenweg
- Window Snyder

▶ SIZE
▶ LAYOUT
▶ COLOR
▶ STYLE
▶ PEOPLE

SEARCH HISTORY

Search more to see your history

See all
Clear all - Turn off

© 2010 Microsoft | Privacy | Legal | Advertise | About our ads | Help | Tell us what you think | Images are scaled down and may be copyrighted

Find: Next Previous Highlight all Match case

Done

The screenshot shows a Twitter mobile application interface. The top bar includes "Accounts" and the profile "twittermobile". The main area displays a timeline of tweets from various users:

- bbcworld** 1 hour ago: Straight couples who see benefits in 'gay' marriage http://bit.ly/bMCmic
- delbius** 1 hour ago: Most specific ad query seen at the gym this morning: "Where are people w/moderate to severe rhematoid arthritis going?" I have no idea. :/ from Downtown, San Francisco
- trammell** 1 hour ago: "Who is the Steven Steeseburg? Who is the Steven Steelsburg? Who is Steven Speelsburg? Hello. Steven Speesburg, please." http://i.mp/91zOG3

At the bottom are standard Twitter mobile navigation icons: speech bubble, @, envelope, magnifying glass, and three dots.

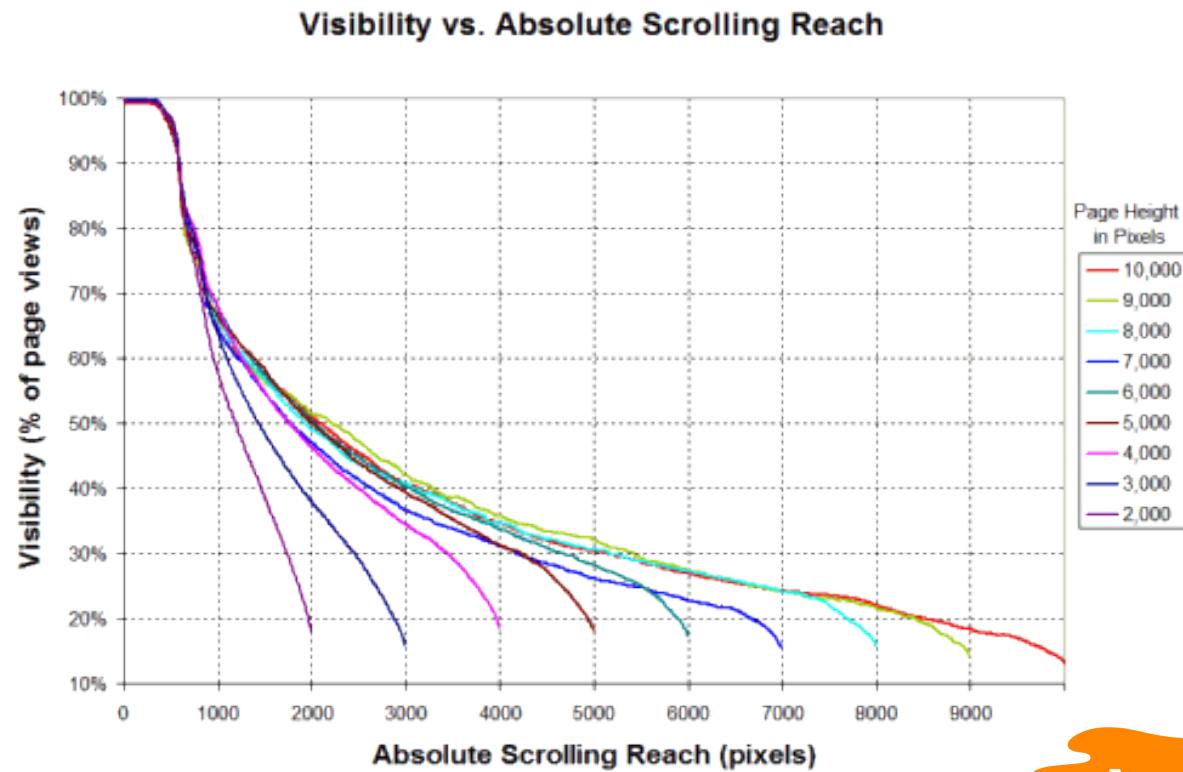


Why it's a good thing to do

15-20% users actually reach the bottom of your page

32-26% do not make it past the 1000px line

True regardless of browser height



<http://blog.clicktale.com/2007/10/05/clicktale-scrolling-research-report-v20-part-1-visibility-and-scroll-reach/>



jQuery.sonar() Plugin

Detects if an element is on user's screen

Adds two *special events*, “scrollin” and “scrollout”

```

```

```
(function($){
  $("img.scrollin").bind("scrollin", function(){
    var img = this,
        $img = $(img);
    $img.unbind("scrollin"); // clean up binding
    img.src = $img.attr( "data-src" );
  });
})(jQuery);
```

Read Ben Alman's special events post:

<http://benalman.com/news/2010/03/jquery-special-events/>



jQuery.sonar() Demos

Sonar Test Page

[http://www.artzstudio.com/files/jquery-boston-2010/
jquery.sonar/examples/jquery.sonar.html](http://www.artzstudio.com/files/jquery-boston-2010/jquery.sonar/examples/jquery.sonar.html)

Flickr Image Search

[http://www.artzstudio.com/files/jquery-boston-2010/
jquery.sonar/examples/jquery.sonar-flickr.html](http://www.artzstudio.com/files/jquery-boston-2010/jquery.sonar/examples/jquery.sonar-flickr.html)



Throttling stuff using jQuery.fn.queue()

Take a number

```
// Declared in higher scope, across all plugin instances
var defaultOptions = { ... },
    $initQueue = $([]);
```

```
// Inside Facebook Social plugin
function facebookXFBMLParse( next ) {
    // Parse XFBML.
    FB.XFBML.parse( $div[0], function(){
        $div.trigger("fbml-parsed." + namespace);
        next();
    });
}

// Queue up our Facebook XFBML parse function.
$initQueue.queue( facebookXFBMLParse );
```

Throttling stuff using jQuery.fn.queue()

Sprinkle in some jQuery Sonar action...

```
// Declared in higher scope, across all plugin instances
var defaultOptions = { ... },
    $initQueue = $([]);
```

```
function facebookXFBMLParse( next ) {
    // Parse XFBML.
    FB.XFBML.parse( $div[0], function(){
        $div.trigger("fbml-parsed." + namespace);
        next();
    });
}

$div.bind("scrollin.aol-facebook-social", function(){
    // Unbind the scrollin event.
    $div.unbind("scrollin.aol-facebook-social");
    // Queue our Facebook parse function.
    $initQueue.queue( facebookXFBMLParse );
});
```

56 Like Buttons loading 1 by 1, on “scrollin”

<http://www.moviefone.com/showtimes/leesburg-va/20175/theaters>

Movie Theaters in Leesburg, VA 20175 – Moviefone

©/© MARS, INC. 2010

JOIN US ON FACEBOOK

3 Musketeers Also available in Minis

AOL Mail Sign in / Register Help Feedback AOL

moviefone BETA Movie Times Movies DVD Trailers Reviews Blog Enter ZIP or Postal Code – Search Movies, Acto GO

LOCATION: Leesburg, VA 20175 Edit FAVORITE THEATERS: Add Theaters Download Apps Call Moviefone

Movies / Movie Theaters / United States / Virginia / Leesburg, VA 20175

Movie Theaters in Leesburg, VA 20175

Sunday, Oct 17 Online Ticketing Only

Change Date Distance up to 25 mi (23 Theaters) Change Location

[Tally Ho Theater](#)
[Regal Fox Cinemas](#)
[Regal Cinemas Countryside Cinema 20](#)
[Phoenix Theatres World Gate 9 Theatres](#)
[Rave Motion Pictures Reston 13](#)

« Previous [1](#) [2](#) [3](#) [4](#) [5](#) Next »

We should talk.

SalemFive
Keep Talking. We're Listening.*

What do you want from your bank? Tell us

Member FDIC Member DIF

ADVERTISEMENT

Map Results for 20175

Street Map Aerial Map

Loading Scripts



jQuery.getScript ~~doesn't~~ didn't cache by default

It ~~added~~ added a timestamp to the src (i.e. ?ts=3242353252)

We made jQuery.getJS() to fix this

```
(function( $ ){
    $.getJS = function( src, callback ) {
        $.ajax({
            dataType: "script",
            cache: true,
            url: src,
            success: callback
        });
    };
})( jQuery );
```

Plugins dependant on scripts (on demand)

We found ourselves needing a pattern like this:

```
var jsQueue = [],
    jsStatus = 0; // 0 = not called, 1 = loading, 2 = loaded

$.fn.myPlugin = function( options ){
    function init( options ) {
        // initialize the plugin
    }

    switch ( jsStatus ) {

        case: "0"
            $.getJS("http://connect.facebook.net/en_US/all.js",
                function(){
                    jsStatus = 2; // update status to "loaded"
                    for ( var callback in jsQueue ) { // clear out queue
                        jsQueue[ callback ]();
                    }
                }
            );
            jsStatus = 1; // update status to "loading"
            break;

        case: "1"
            jsQueue.push(function(){ init( options ) });
            // script still loading, queue up for later
            break;

        case: "2"
            init( options );
            break;
    }
};
```

Plugins dependant on scripts (on demand)

We wanted to write less, and do more (with our time)

```
$.fn.myPlugin = function( options ){  
    function init( options ) {  
        // initialize the plugin  
    }  
  
    $.getJS("http://connect.facebook.net/en_US/all.js", function(){  
        init( options );  
    });  
};
```



Revamped jQuery.getJS()

```
(function( $ ){
    var scriptCache = {};
    $.getJS = function( src, callback, force ) {
        var scriptStatus = scriptCache[ src ],
            executeCallbacks = function(){
                scriptStatus.s = 2; // loaded
                var callbackFunctions = scriptStatus.fn,
                    i = 0, l = callbackFunctions.length;
                for ( ; i < l; i++ ) callbackFunctions[i]();
            },
            getScript = function( src, callback ){
                $.ajax({
                    dataType: 'script',
                    cache: true,
                    url: src,
                    success: callback
                });
            };
        if ( force ) { // bypass queueing system
            getScript( src, callback );
        } else {
            if ( scriptStatus ) { // if script is is loading or loaded
                if ( callback ) {
                    scriptStatus.s === 1 ? scriptStatus.fn.push( callback ) : callback();
                }
            } else { // not yet called, make it so
                scriptStatus = scriptCache[ src ] = { // new script status object
                    s: 1, // load state
                    fn: callback ? [ callback ] : [] // callback cache
                };
                getScript( src, executeCallbacks ); // load this script, pass in clearing function
            }
        }
    })( jQuery );
```

How do we call jQuery?

Let's look at our requirements:

Load scripts asynchronously (non-blocking)

Some scripts (tracking, ad call code) need to be at the top

...but we want the majority at the bottom

Minimize HTTP Requests

...but don't compromise code maintainability, cacheability

Back-end system independent

Support unknown patterns of JS code organization, build scripts



What we do

Aol.getJS + Dynamic Merge URL

```
// Merge and load js global to website
Aol.getJS("http://o.aolcdn.com/os_merge/?file=/aol/
jquery-1.4.2.min.js&file=/aol/jquery.getjs.min.js&file=/aol/
jquery.inlinecss.min.js&file=/moviefone/js/global.js")

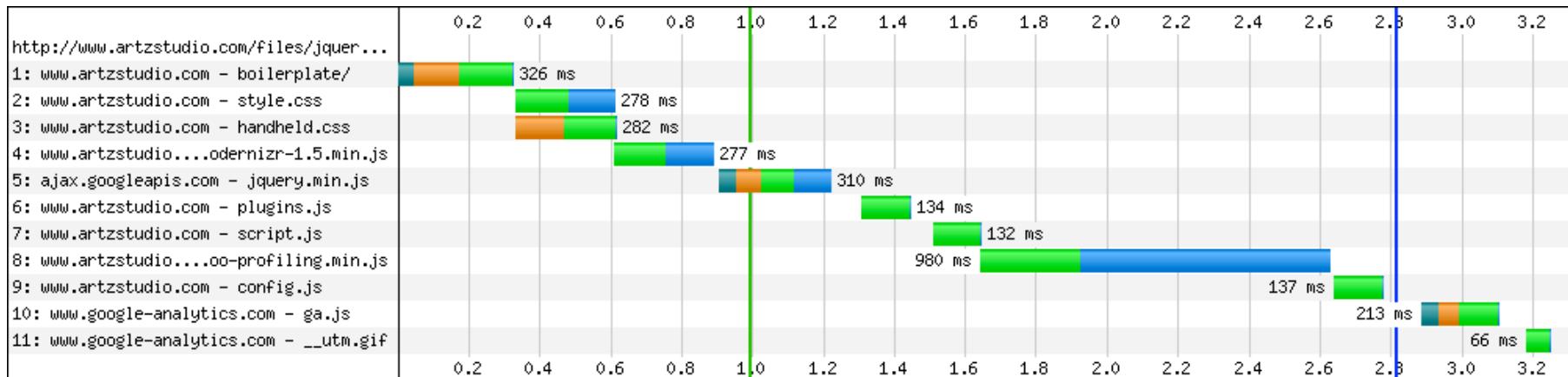
    // Merge and load js specific to template page
    .getJS("http://o.aolcdn.com/os_merge/?file=/aol/
jquery.sonar.min.js&file=jquery.facebooksocial.min.js&files=j
query.aolwidget.min.js&file=/moviefone/js/theater-
listings.js", function(){

        (function($){
            // Initialize anything page specific here.
            $("div.aol-widget").aolWidget();
        })(jQuery);
    });
}
```

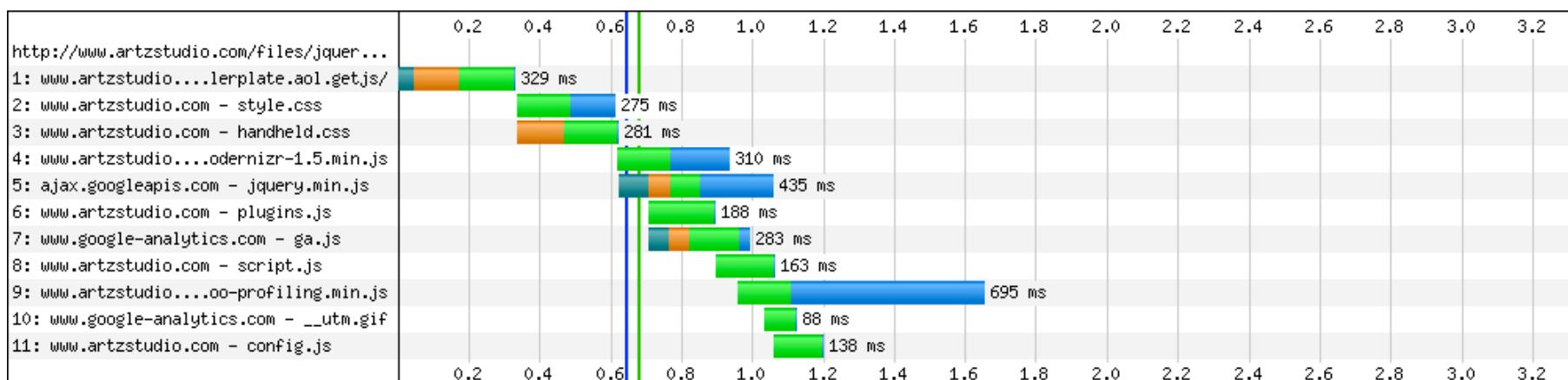


Aol.getJS loads JS asynchronously, and preserves execution order

HTML 5 Boilerplate – 3.3 seconds



HTML 5 Boilerplate w/ Aol.getJS – 1.7 seconds



Provides same function as LabJS, but smaller

```

(function(p){var
q="string",w="head",H="body",Y="script",t="readyState",j="preloaddone",x="loadtrigger",I="srcuri",C="preload",Z="complete",y="done",z="whi
ch",J="preserve",D="onreadystatechange",ba="onload",K="hasOwnProperty",bb="script/cache",L=[object ",bv=L+"Function]",bw=L
+"Array",e=null,h=true,i=false,n=p.document,bx=p.location,bc=p.ActiveXObject,A=p.setTimeout,bd=p.clearTimeout,M=function(a){return
n.getElementsByTagName(a)},N=Object.prototype.toString,O=function(){},r=[],P=[],be=/^[\?#]*\/\/.exec(bx.href)[0],bf=/^\w+\:\.\w+\/\?[\^\w\]
/.exec(be)[0],by=M(Y),bg=p.opera&&N.call(p.opera)==L+"Opera]",bh=(MozAppearance"in n.documentElement.style),u={cache:!{bh||
bg},order:bh||bg,xhr:h,dupe:h,base:"",which:w};u[J]=i;u[C]=h;r[w]=n.head||M(w);r[H]=M(H);function Q(a){return N.call(a)===bv}function R
(a,b){var c=/^\w+\:\.\w+\/\?[\^\w\];if(typeof a!=q)a="";if(typeof b!=q)b="";d=(c.test(a)?"":b)+a;return((c.test(d)?"":(d.charAt(0)==="/"||bf:be))
+d)}function bz(a){return(R(a).indexOf(bf)===0)}function bA(a){var b,c=-1;while(b=by[++c])if(typeof b.src==q&a==R(b.src)&&b.type!=bb)
return h}return i}function E(v,k){v=!(!v);if(k==e)k=u;var bi=i,B=v&&k[C],bj=B&&k.cache,F=B&&k.order,bk=B&&k.xhr,bB=k
[J],bC=k.which,bD=k.base,bI=0,S=i,G,s=h,l=[],T[],U=e;B=bj||bk||F;function bm(a,b){if((a[t]&&a[t]!=="loaded")||b[y]){return i}a
[ba]=a[D]=e;return h}function V(a,b,c){c!=(!c);if(!c&&!(bm(a,b)))return;b[y]=h;for(var d in l){if(l[K](d)&&!l[d][y]))return}bi=h;bI[]}
function bn(a){if(Q(a[x])){a[x]();a[x]=e}}function bE(a,b){if(!bm(a,b))return;b[j]=h;A(function(){r[b[z]].removeChild(a);bn(b)},0)}
function bF(a,b){if(a[t]===4){a[D]=0;b[j]=h;A(function(){bn(b)},0)}}function W(b,c,d,g,f,m){var o=b[z];A(function(){if("item"in r[o])if(!
r[o][0])A(argumentscallee,25);return;r[o]=r[o][0]}var a=n.createElement(Y);if(typeof d==q)a.type=d;if(typeof g==q)a.charset=g;if(Q(f)){a
[ba]=a[D]=function(){f(a,b)};a.src=c;r[o].insertBefore(a,(o==w?r[o].firstChild:e));if(typeof m==q){a.text=m;V(a,b,h)},0)}function bo
(a,b,c,d){P[a[I]]=h;W(a,b,c,d,V)}function bp(a,b,c,d){var g=arguments;if(s&&a[j]==e){a[j]=i;W(a,b,bb,d,be)}else if(!s&&a[j]!-=e&&!
a[x]=function(){bp.apply(e,g)}else if(!s){bo.apply(e,g)}function bq(a,b,c,d){var g=arguments,f;if(s&&a[j]==e){a[j]=i;f=a.xhr=(bc?new bc
("Microsoft.XMLHTTP"):new p.XMLHttpRequest());f[D]=function(){bF(f,a)};f.open("GET",b);f.send("")}else if(!s&&a[j]!-=e&&!
a[j])a[x]=function(){bq.apply(e,g)}else if(!s){P[a[I]]=h;W(a,b,c,d,e,a.xhr.responseText);a.xhr=e}}function br(a){if(a.allowDup==e)
a.allowDup=k.dupe;var b=a.src,c=a.type,d=a.charset,g=a.allowDup,f=R(b,bD),m,o=bz(f);if(typeof d!=q)d=e;g!=(!g);if(!g&&((P[f]!=e)||(
s&&l
[f])||bA(f)))if(l[f]!=e&&l[f][j]&&!l[f][y]&&o){V(e,l[f],h)}return;if(l[f]==e)l[f]=[];m=l[f];if(m[z]==e)m[z]=bC;m[y]=i;m[I]=f;S=h;if(!
F&&bk&&o)bq(m,f,c,d);else if(!F&&bj)bp(m,f,c,d);else bo(m,f,c,d)}function bs(a){T.push(a)}function X(a){if(v&&!F)bs(a);if(!v||B)a()
}function bt(a){var b=[],c;for(c=-1;++c<a.length){if(N.call(a[c])==bw)b=b.concat(bt(a[c]));else b[b.length]=a[c]}return b}G=
{script:function(){bd(U);var a=bt(arguments),b=G,c;if(bB){for(c=-1;++c<a.length;){if(c==0){X(function(){br((typeof a[0]==q)?{src:a[0]:a
[0]):})}else b=b.script(a[c]);b=b.wait()}else{X(function(){for(c=-1;++c<a.length;){br((typeof a[c]==q)?{src:a[c]:a[c]):})}}U=A(function()
{s=i},5);return b},wait:function(a){bd(U);s=i;if(!Q(a))a=0;var b=E(h,k),c=b.trigger,d=function(){try{a()}catch(err){}c());delete
b.trigger;var g=function(){if(S&&!b)bl=d;else d()};if(v&&!S)bs(g);else X(g);return b};if(v){G.trigger=function(){var a,b=-1;while(a=T[+
+b])a();T=[]}}return G}function bu(a){var b,c={},d=
{"UseCachePreload":"cache","UseLocalXHR":"xhr","UsePreloading":C,"AlwaysPreserveOrder":J,"AllowDuplicates":"dupe"},g=
{"AppendTo":z,"BasePath":"base"};for(b in d)g[b]=d[b];c.order!=(!u.order);for(b in g){if(g[K](b)&&u[g[b]]!=e)c[g[b]]=(a[b]!=e)?a[b]:u[g
[b]]}for(b in d){if(d[K](b))c[d[b]]!=(!c[d[b]])}if(!c[C])c.cache=c.order=c.xhr=i;c.which=(c.which==w||c.which==H)?c.which:w;return c}p.
$LAB={setGlobalDefaults:function(a){u=bu(a)},setOptions:function(a){return E(i,bu(a))},script:function(){return E().script.apply
(e,arguments)},wait:function(){return E().wait.apply(e,arguments)}},(function(a,b,c){if(n[t]==e&&n[a])n[t]=="loading";n[a](b,c=function()
{n.removeEventListener(b,c,i);n[t]=Z,i})})(addEventListener","DOMContentLoaded"))(window);

```

```
(function(g){var d=g.getElementsByTagName("head")[0]||g.documentElement,c={},e={},f={},b={},h={};function a(j,r){var o=b[j]=this._c,q=g.createElement("script"),n=0,p,m=p="text/javascript",k="c",i=(function(s){s[s]=s+"";return s[s]!+=s+""})(new String("__count_"));function l(s,t){function u(w){do{if(!c[w])return 0}while(w=b[w]);return 1}var v=f[s];if(t==m){v&&v();l(h[s],k)}else{s&&u(s)&&!e[s]&&a(s,v)}f[j]=r;if(o&&!i){h[o]=j;p=k}q.type=p;q.src=j;p==m&&(e[j]=1);q.onload=q.onreadystatechange=function(){if(!n&&(q.readyState||q.readyState=="loaded"||q.readyState=="complete")){c[j]=n=1;l(j,p);q.onload=q.onreadystatechange=null;d.removeChild(q)}};d.insertBefore(q,d.firstChild);return{_c:j,getJS:a}}window.AoI||(AoI={});AoI.getJS=a})(document);
```

AOL Origin Server Tool

Merging
Versioning
CDN Flushing
Cache Controls

Automatic versioning via Java Bean / web service enables longer cache headers, immediate cache busting:

`http://o.aolcdn.com/os_merge/?file=/aol/1-jquery-1.4.2.min.js&file=/aol/4-jquery.getjs.min.js&file=/aol/2-jquery.inlinecss.min.js&file=/moviefone/js/34-global.js`

The screenshot shows a web browser window titled "File Browser → Browse | OS". The address bar shows the URL `/os/filebrowser/index.jsp?node=324`. The main content area is titled "AOL Origin Server" and contains a table of file metadata. The table has columns for #, Name (live version), Modified By, Modified On, Created By, Created On, and Type. The data is paginated with "Show: 50" and navigation links "« Previous | Next »".

#	Name (live version)	Modified By	Modified On	Created By	Created On	Type
1.	aol-addthis.png (1)	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	image/png
2.	aol-share-big.png (1)	rishisharma08	Fri, Sep 17, 2010, 4:16 PM EDT	rishisharma08	Fri, Sep 17, 2010, 4:16 PM EDT	image/png
3.	aol-share.png (1)	artzstudio	Mon, Aug 30, 2010, 4:10 PM EDT	artzstudio	Mon, Aug 30, 2010, 4:10 PM EDT	image/png
4.	aol.addthis-1.0.js (1)	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	text/plain
5.	aol.addthis-1.0.min.js (1)	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	artzstudio	Thu, Apr 15, 2010, 9:46 AM EDT	text/plain
6.	aol.favicon.ico (1)	StephenRouse00	Mon, Jul 26, 2010, 1:54 PM EDT	StephenRouse00	Mon, Jul 26, 2010, 1:54 PM EDT	image/x-icon
7.	aol.feedback.js (1)	artzstudio	Thu, Apr 15, 2010, 11:06 AM EDT	artzstudio	Thu, Apr 15, 2010, 11:06 AM EDT	application/x-javascript
8.	aol.globalheader-1.5.css (1)	StephenRouse00	Thu, Jul 1, 2010, 12:36 PM EDT	StephenRouse00	Thu, Jul 1, 2010, 12:36 PM EDT	text/css
9.	aol.globalheader-1.5.min.css (6)	gouldtv	Wed, Jul 7, 2010, 2:56 PM EDT	gouldtv	Fri, May 21, 2010, 4:19 PM EDT	text/css
10.	aol.globalheader-1.5.png (2)	gouldtv	Fri, May 21, 2010, 5:27 PM EDT	gouldtv	Fri, May 21, 2010, 5:27 PM EDT	image/png
11.	aol.js (1)	artzstudio	Fri, Apr 16, 2010, 2:48 PM EDT	artzstudio	Fri, Apr 16, 2010, 2:48 PM EDT	application/javascript

You can do something similar, see modconcat

What it does:

<http://www.artzstudio.com/2008/08/using-modconcat-to-speed-up-render-start/>

Where to get it:

<http://code.google.com/p/modconcat/>



Where we go from here

Standardize a JS organization pattern

Evolve our plugin pattern (jQuery UI?)

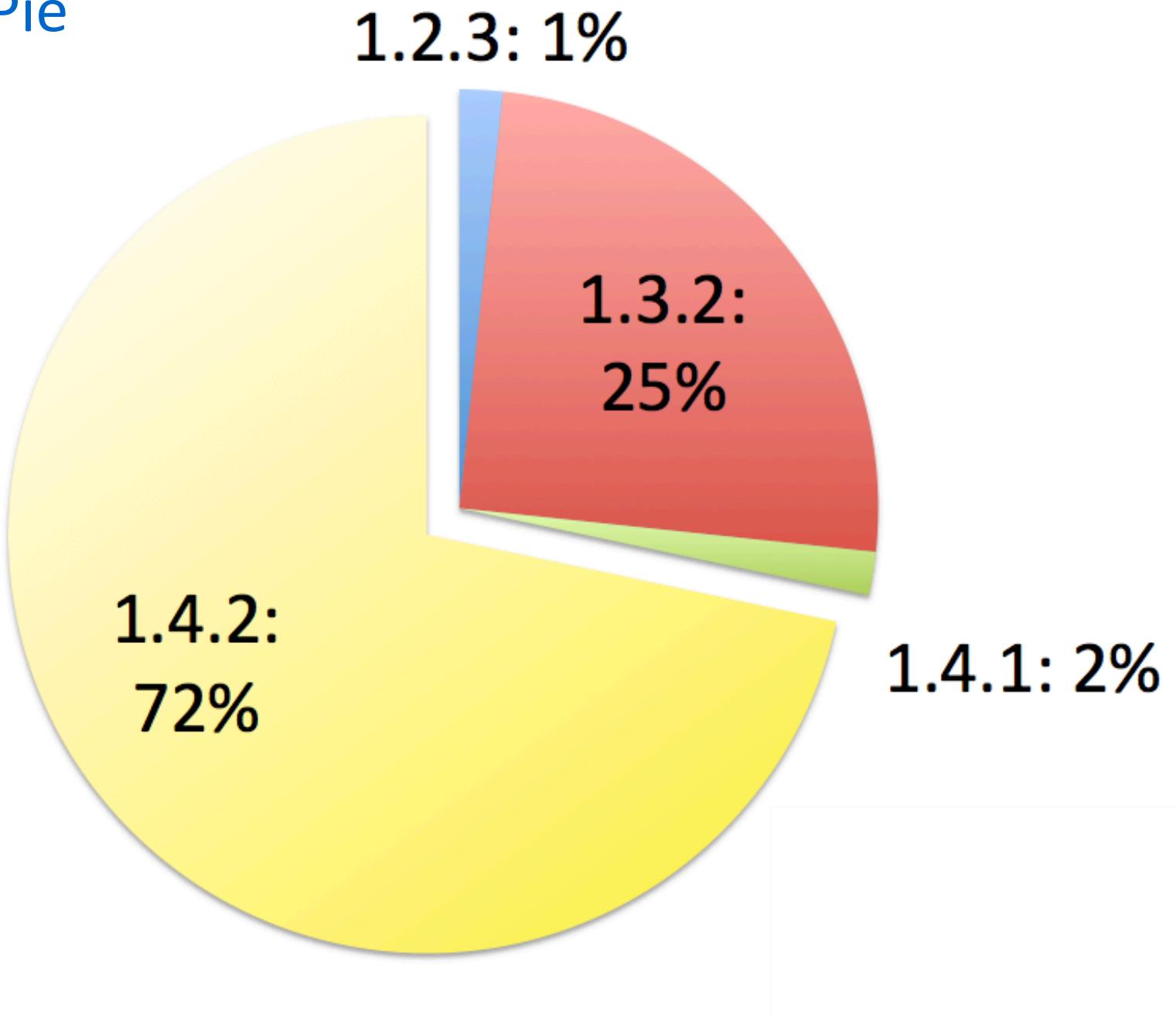
jQuery Mobile

Get on the latest jQuery

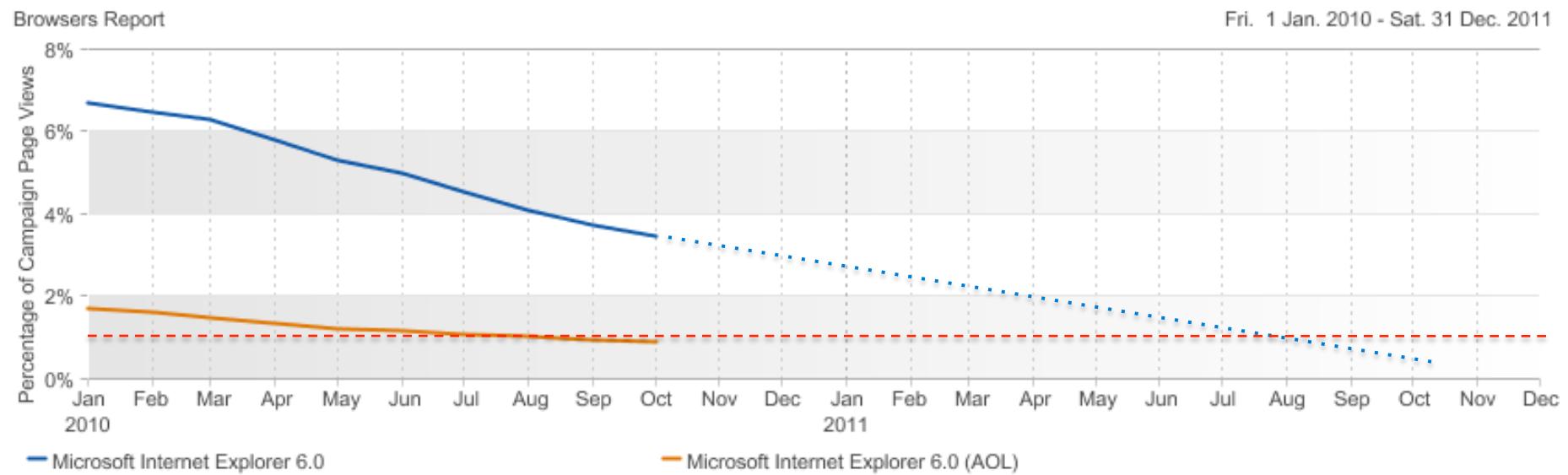
Make IE 6 go away faster



jQuery Pie



IE6 trend across all AOL sites



Graph Generated by SiteCatalyst using Report Accelerator at 9:06 AM EDT, 17 Oct 2010



Thank You

Dave Artz

david.artz@team AOL.com

AIM: artzstudio

<http://www.artzstudio.com>

We're hiring! Ping me on AIM ☺

Presentation files: <http://www.artzstudio.com/files/jquery-boston-2010/>

Credits

AOL jQuery Data – Veera B, Ramesh Kumar

AOL PV Data – John Hart

AOL Header Screen Grabs – Brandon Goode