

**Fuel for a
great web
experience.**



Christian Heilmann | <http://wait-till-i.com> | <http://scriptingenabled.org>

La Cantine, Paris, April 2009

**As web developers our job is
to build interfaces.**

**Interfaces that allow people
to reach their goals easily.**



**Today I am here to talk to you
about tools that make it easy
for you to do that.**

**All of which are part of what
we offer you.**

And are free for you to use.

**For all this, you need to
remember one URL:**

I will talk about 7 things we offer and how to use them.



**We provide a great online
experience.**

**Yahoo's products are built by
teams of experts who are
passionate about their jobs.**

**We try our hardest to make
things work for everybody
out there.**

**This means first and foremost
to take the time and think
about what we are trying to
achieve.**

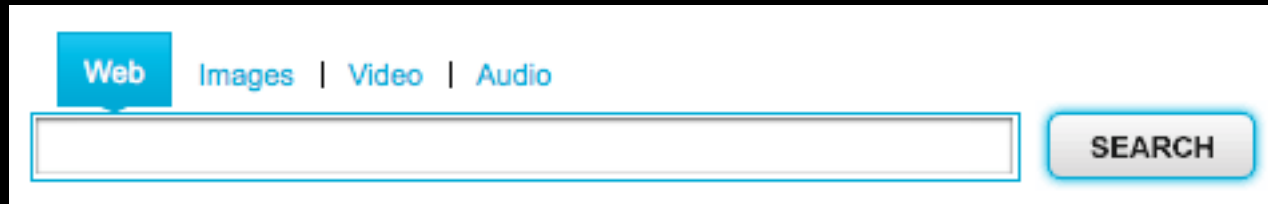
Web

Images

Video

Audio

SEARCH

A mockup of a search interface. It features a horizontal bar with four tabs: 'Web' (highlighted in blue), 'Images', 'Video', and 'Audio'. Below the tabs is a long, empty text input field. To the right of the input field is a rounded rectangular button with the word 'SEARCH' in capital letters.

Web | Images | Video | Audio

SEARCH

Analyse what users want to do here:

**Define type of search,
enter search term,
submit form.**

Search

- ☒ The web
- ☐ For images
- ☐ For video
- ☐ For audio

Then use what allows them to do exactly that.

TV Tonight						What's on Now	
« earlier		20:00	21:00	22:00	later »		
Find a channel						Grid	Hourly table
BBC 1	Rogue Traders	Traffic Cops	The Hottest Place on Earth	BBC News at Ten	...	Question Time	
BBC 2	Natural World	...	Oil Spill - The Exxon Valdez Disaster	The Graham Norton Show	Newsnight		
ITV1	The Bill		The Truth about Super Skinny Pregnancies	News at Ten and Weather	Dexter		
Channel 4	10 Years Younger		Cutting Edge	Ramsay's Kitchen Nightmares USA			
Five	I Own Britain's Best Home 2009		The Mentalist	Law & Order: Criminal Intent			
Sky Movies Premier	Semi-pro			I Am Legend			

How about this one?

Analyse what data
you display, and find
the easiest way to
show it.

Then make it look the
way you want it to.

TV Tonight

[What's on Now](#)

[Find a channel](#)

Switch display mode

- [Grid](#)
- [Hourly table](#)

Times shown here:

1. [20:00 3 hours earlier](#)
2. [21:00](#)
3. [22:00 3 hours later](#)

[BBC 1](#)

1. [20:00-20:30 Rogue Traders](#)
2. [20:30-21:00 Traffic Cops](#)
3. [21:00-22:00 The Hottest Place on Earth](#)
4. [22:00-22:25 BBC News at Ten](#)
5. [22:25-22:35 Regional News and Weather](#)
6. [22:35-23:35 Question Time](#)

[BBC 2](#)

1. [20:00-20:50 Natural World](#)
2. [20:50-21:00 The Rabbits of Skomer](#)
3. [21:00-22:00 Oil Spill - The Exxon Valdez Disaster](#)
4. [22:00-22:30 The Graham Norton Show](#)
5. [22:30-23:20 Newsnight](#)

[ITV1](#)

1. [20:00-21:00 The Bill](#)
2. [21:00-22:00 The Truth about Super Skinny Pregnancies](#)
3. [22:00-22:35 News at Ten and Weather](#)
4. [22:35-23:40 Dexter](#)

[Channel 4](#)

1. [20:00-21:00 10 Years Younger](#)
2. [21:00-22:00 Cutting Edge](#)
3. [22:00-23:05 Ramsay's Kitchen Nightmares USA](#)

[Five](#)

1. [20:00-21:00 I Own Britain's Best Home 2009](#)
2. [21:00-22:00 The Mentalist](#)
3. [22:00-23:00 Law & Order: Criminal Intent](#)

[Sky Movies Premiere](#)

1. [20:00-21:45 Semi-pro](#)
2. [21:45-23:30 I Am Legend](#)

**Sometimes you need to make
technologies work by
building workarounds.**

The Soloist - exclusive trailer
from Yahoo! UK Movies
28 views

Watch the trailer for Jamie Foxx and Robert Downey Jr.'s new film

[Go to video page](#)

Cutting Edge - 9/11 Faker
from Yahoo! UK TV
97 views

Watch Cutting Edge, tonight at 9pm on Channel 4

[Go to video page](#)

<http://uk.video.yahoo.com/>



Player Controls

- Play/Pause Video
- Seek Reverse
- Seek Forward
- Replay Video
- Volume Down
- Volume Up

**We build things using
progressive enhancement.**

Without JavaScript

Enter a state:

With JavaScript

Enter a state:

- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana

http://developer.yahoo.com/yui/examples/autocomplete/ac_basic_array_clean.html

Due Date	Account Number	Quantity	Amount Due
1/23/1999	29e8548592d8c82	12	\$150.00
5/19/1999	83849	8	\$60.00
8/9/1999	11348	1	\$34.99
1/23/2000	29e8548592d8c82	10	\$1.00
4/28/2000	37892857482836437378273	123	\$33.32
1/23/2001	83849	5	\$15.00
9/30/2001	224747	14	\$56.78

Without JavaScript

With JavaScript

Example: Progressively Enhanced Table from Markup

Due Date	Account Number ▲	Quantity	Amount Due
08/09/1999	11348	1	\$34.99
09/30/2001	224747	14	\$56.78
01/23/1999	29e8548592d8c82	12	\$150.00
01/23/2000	29e8548592d8c82	10	\$1.00
04/28/2000	37892857482836437378273	123	\$33.32
05/19/1999	83849	8	\$60.00
01/23/2001	83849	5	\$15.00

http://developer.yahoo.com/yui/examples/datatable/dt_enhanced.html

**Once we found out the goals
of our users, we drive for
excellence.**

Currencies Investing **NEW!**

Currency Converter

[Show Help using this Converter](#)

Type a country or currency

United States dollar (USD) ▼

Please enter an amount

\$

1


Type a country or currency

Euro (EUR) ▼

Please enter an amount

€

0.7961

Using an exchange rate of 1 USD = 0.7961 EUR for 5 March 2009 

 [View 5 Day Trend](#)

Please note: The exchange rates given are 'bank rates', high street rates may be subject to commission

Pocket Guide for 5 March 2009

United States dollar (USD)

\$ 5	\$ 10	\$ 50	\$ 100	\$ 250	\$ 500	\$ 1000
€ 3.98	€ 7.96	€ 39.81	€ 79.61	€ 199.03	€ 398.05	€ 796.1

[http://finance.yahoo.com/currency-converter?](http://finance.yahoo.com/currency-converter?u#from=USD;to=EUR;amt=1)
[u#from=USD;to=EUR;amt=1](http://finance.yahoo.com/currency-converter?u#from=USD;to=EUR;amt=1)

JANUARY 21, 2009

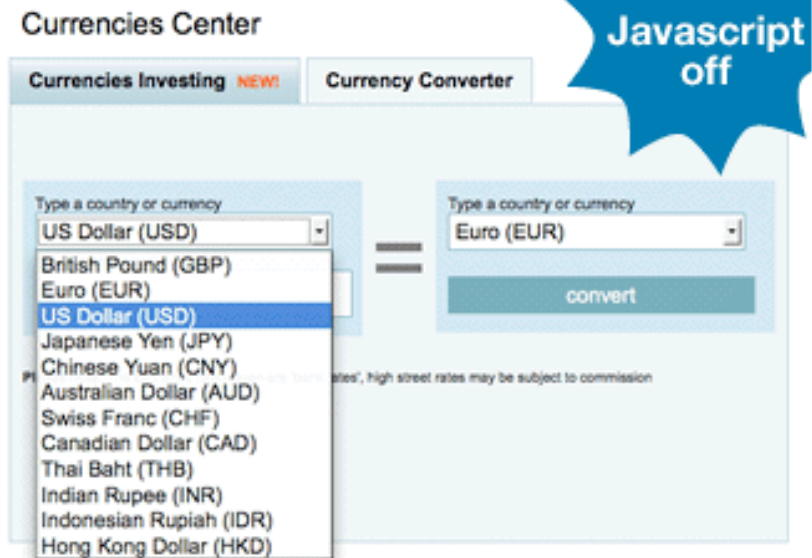
Making the new Yahoo! Currency Converter accessible

When my fellow coworker, the user experience designer **Graham Beale**, and I started thinking about the new **Yahoo! Currency Converter** we had a few clear objectives:

- make it as easy as possible to use
- make it work without page reloads
- make it fast
- make it accessible to everyone

For the last, but not at all least, point we were lucky and very happy to have **Artur Ortega** on our team. Artur is not only a brilliant backend engineer but also a screenreader user himself. Without his endless testing and suggesting workarounds, this application would not have been possible.

To arrive at the application you can use today, we went through an intense prototyping and user testing phase with many different iterations. Some of those iterations are still in the converter as parts of our progressive enhancement concept and all of them are based



http://developer.yahoo.net/blog/archives/2009/01/accessible_converter.html



**We share the data that drives
this experience.**

**Our research with users
resulted in patterns that we
apply to help people reach
their goals as quickly as
possible.**

**These patterns are available
for you to apply to your own
products.**

USER NEEDS TO

SEARCH

Search Pagination

NAVIGATION

Breadcrumbs

Links

Alphanumeric Filter

Links

Tags

Module Tabs

Navigation Tabs

BROWSING

Page Grids

Pagination

Item Pagination

Search Pagination

SELECTION

Auto Complete

Calendar Picker

Carousel

RICH INTERACTION

Drag and Drop

Drag and Drop Modules

Invitation

Cursor Invitation

Drop Invitation

Tool Tip Invitation

Hover Invitation

Transition

Animate

Brighten

Collapse

Cross Fade

Dim

Expand

Fade In

Fade Out

Self-Healing

Slide

Spotlight

SOCIAL

Ratings & Reviews

Architecture of a Review

Rating an Object

Vote to Promote

Writing a Review

Reputation

Competitive Spectrum

Named Levels

Numbered Levels

Identifying Labels

Points

Collectible Achievements

Ranking

Leaderboard

Top X

Sign-in Continuity

Welcome

Welcome to the Yahoo! Design Pattern Library. We're thrilled to be sharing pattern code with the web design and development community, we hope it's useful, and forward to your feedback.

In fact, we've just launched two new [Design Pattern forums](#): one for discussing the [pattern library](#) and another for talking about the ins and out of [writing design patterns](#) and maintaining collections of patterns. (We've still got our mailing lists. Our goal these new forums is to bring the conversation closer to the library itself. Please join!

Most recently, we've added a collection of [Reputation](#) patterns to our growing collection of social design patterns.

Oh, and we're still pretty jazzed about our [wireframe stencil kit](#). The stencils in it mapped to the patterns in this library and the code modules in YUI.

What's a Pattern?

A pattern describes an optimal solution to a common problem within a specific context. [More...](#)

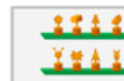
Recent Patterns [see all...](#)



Calendar Picker
User wants to find or submit a particular piece of information based on a date or between a date range.



Carousel
User needs to browse among a set of like objects represented pictorially.



Collectible Achievements
Some participants in communities respond to opportunities to collect display awards.



The Competitive Spectrum
The designer needs to match the reputation system to the community's degree of competitiveness.



Identifying Labels
Community members need to identify distinguished members of the community.



Leaderboard
In highly competitive communities, users want to know who are very best performers category or overall.



Named Levels
Participants in a community need some way to gauge their own personal development within that community.



Numbered Levels
Participants in a community need some way to gauge how far they've progressed within that community.



Page Grids
Web sites have consistency a common page



Points
In some communities, participants want a tangible measurement of their accomplishments.



Ranking
In highly competitive communities, users may want to compare their performance against that of their peers.



Reputation
The user expects a reputation insight into their peers.



Sign-in Continuity
A user with an account but who is not currently signed in wants to participate by contributing something.



Top X
Participants in some communities welcome the challenge of striving to enter the top tier of competitors.



Vote to Promote
User wants to participate in a community submissions.

Join Our Design Pattern Community

Discuss patterns in our [forums](#), read about new pattern releases on the [YUI blog](#), or join our longstanding [Yahoo! Group](#).
[Discuss this library](#)

Yahoo! UI

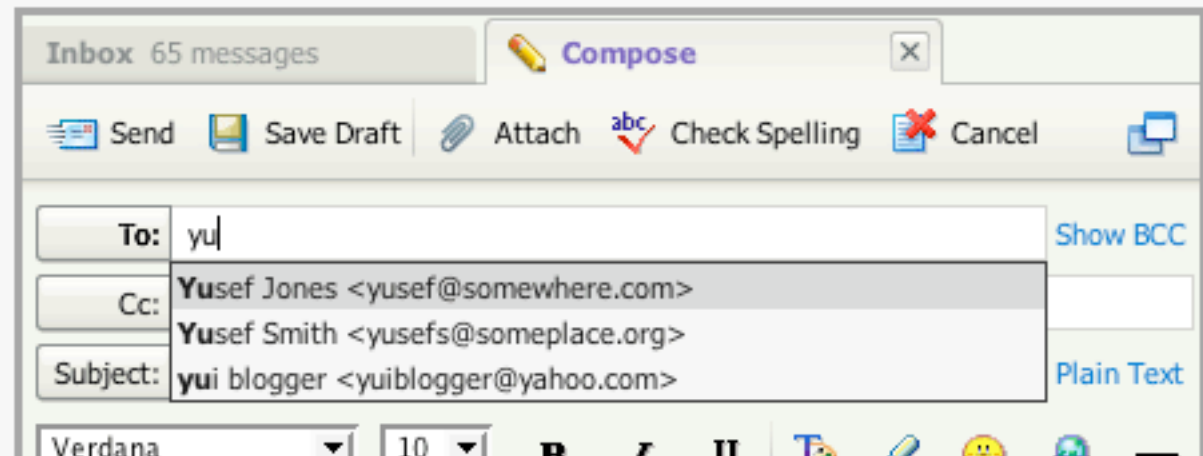
Need code? Get our [Yahoo! UI Library](#).
[Learn More](#)

Auto Complete

Problem Summary

The user needs to enter an item into a text box which could be ambiguous or hard to remember and therefore has the potential to be mis-typed.

EXAMPLE:



Rating an Object

Problem Summary

A user wants to quickly leave their opinion on an object, with minimal interruption to any other task flow they are involved in.

<http://developer.yahoo.com/ypatterns>

Restaurant

(5000) 1234567890

Alma St



Average Rating (7)

[Read 7 reviews](#)

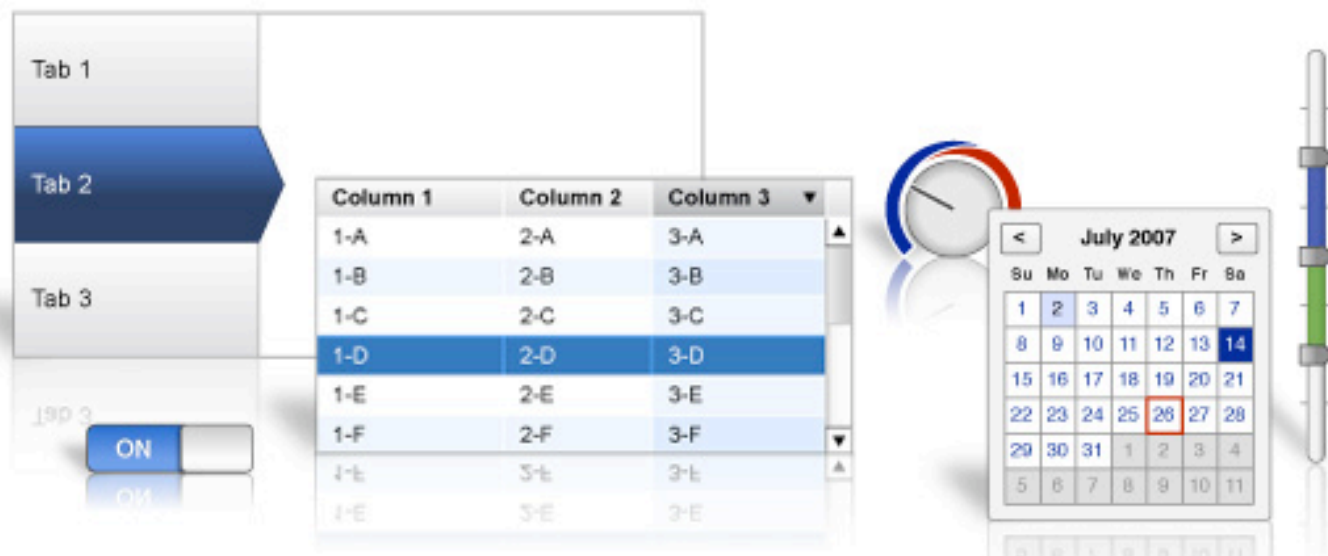
Design Pattern Library

[Yahoo! Developer Network](#) > [Design Pattern Library](#) > Design Stencil Kit

Download a Stencil Kit

Yahoo! Design Stencil Kit version 1.0 is available for OmniGraffle, Visio (XML), Adobe Illustrator (PDF and SVG), and Adobe Photoshop (PNG), and covers the following topics:

- Ad Units
- Calendars
- Carousels
- Charts and Tables
- UI Controls
- Form Elements
- Grids
- Menus and Buttons
- Mobile - General
- Mobile - iPhone
- Navigation and Pagination
- OS Elements
- Placeholder Text
- Screen Resolutions
- Tabs
- Windows and Containers



DOWNLOAD



This work is licensed under a [Creative Commons Attribution 2.5 License](#).

<http://developer.yahoo.com/ypatterns/wireframes/>

Under the hood, our systems are driven by APIs to make sure we can scale products to our size.

**These are available to you,
too.**



**We share the research we've
done to make it a smooth
experience.**

The exceptional performance section of YDN provides detailed information on how to make your products behave faster.

Exceptional Performance

Yahoo!'s Exceptional Performance team evangelizes best practices for improving web performance. They conduct research, build tools, write articles and blogs, and speak at conferences. Their best practices center around the rules for high performance web sites.

Best Practices

The Exceptional Performance team has identified a number of [best practices](#) for making web pages fast. The list includes 34 best practices divided into 7 categories.

Filter by category: [Content](#) | [Server](#) | [Cookie](#) | [CSS](#) | [Javascript](#) | [Images](#) | [Mobile](#) | [All](#)

YSlow for Firebug

YSlow analyzes web pages and tells you why they're slow based on the [best practices](#) for high performance web sites. YSlow is a [Firefox add-on](#) integrated with the popular [Firebug](#) web development tool. This tool has helped improve the performance on over 50 Yahoo! properties by 25-50%. We're pleased to be able to share this with the development community so that others can join us in accelerating the user experience on the web!

RECENT BLOG ARTICLES

[view all](#)

YSlow 2.0 early preview in China

Sun, 28 Dec 2008

YUI Theater — Douglas Crockford: "Ajax Performance"

Tue, 23 Dec 2008

YUI Theater — Nicole Sullivan: "Design Fast Websites (Don't Blame the Rounded Corners)"

Tue, 23 Dec 2008

Image Optimization, Part 5: AlphaImageLoader

Mon, 08 Dec 2008

Image Optimization, Part 3: Four Steps to File Size Reduction

Fri, 14 Nov 2008

<http://developer.yahoo.com/performance/>



**We provide building blocks to
build your own great
experience.**

The Yahoo! User Interface Library (YUI)

Yahoo! UI Library

Home

- YUI Blog
- YUI Discussion Forum
- YUI on GitHub
- API Documentation
- YUI Examples Gallery
- Community & Contributions
- Powered by YUI
- YUI Theater
- YUI License
- YUI 3.x Preview

YUI Articles

- YUI FAQ
- Bug Reports/Feature Requests
- Building Custom Widgets
- Configuration and Hosting
- Graded Browser Support
- Skinnning YUI
- Security Best Practices
- YUI Roadmap

YUI Components

- Animation
- AutoComplete
- Browser History Manager
- Button
- Calendar
- Carousel BETA
- Charts (experimental)
- Color Picker
- Connection Manager

The Yahoo! User Interface Library (YUI)

The YUI Library is a set of utilities and controls, written in JavaScript, for building richly interactive web applications using techniques such as DOM scripting, DHTML and AJAX. YUI is available under a [BSD license](#) and is free for all uses. The YUI project includes the YUI Library and two build-time tools: [YUI Compressor](#) (minification) and [YUI Doc](#) (documentation engine for JavaScript code).

Download YUI: Download YUI version 2.7.0, including [full API documentation](#) and [more than 300 functional examples](#) from [YUILibrary.com](#).

A [preview release of YUI's next-generation 3.x codeline](#) is also available. YUI 3.x is not production-ready, but we're looking forward to your feedback [on the YUI 3 forum](#) as we prepare this new codeline for a 2009 GA release.

The library's developers blog [at the YUI Blog](#) and the YUI Library community exchanges ideas at [YDN-JavaScript on Yahoo! Groups](#).

Using YUI:

- [FAQ](#)
- [Getting Started](#)
- [Licensing](#)
- [Cheat Sheets](#)
- [Support & Community](#)
- [Filing Bugs & Feature Requests](#)

Searchable API Documentation:

Browse and search the complete YUI API.

The YUI Compressor:

[YUI Compressor](#) is a build-process component that helps you minify your JavaScript and CSS.

YUI Doc:

[YUI Doc](#) creates beautiful, searchable API docs for JavaScript code.

YUI Core:

- [The YAHOO Global Object](#) (base requirement for all YUI components)
- [DOM Collection](#) (convenience methods for DOM interactions)
- [Event Utility](#) (event normalization and custom events)

YUI Library Utilities:

- [Animation Utility](#)
- [Browser History Manager](#)
- [Connection Manager](#) (for XHR/Ajax)
- [Cookie Utility](#)
- [DataSource Utility](#)
- [Drag and Drop Utility](#)
- [Element Utility](#)
- [Get Utility](#) (dynamic script/css loading)
- [ImageLoader Utility](#)

YUI Library Controls/Widgets:

- [AutoComplete](#)
- [Button](#)
- [Calendar](#)
- [Carousel](#) BETA
- [Charts](#) [experimental]
- [Color Picker](#)
- [Container](#) (including [Module](#), [Overlay](#), [Panel](#), [Tooltip](#), [Dialog](#), [SimpleDialog](#))
- [DataTable](#)
- [ImageCropper](#) BETA
- [Layout Manager](#)
- [Menu](#)
- [Paginator](#)
- [Rich Text Editor](#)
- [Slider](#)
- [TabView](#)

YUI Theater RSS[\[more videos\]](#)

Jenny Donnelly — "Hacking with YUI"



YUI engineer Jenny Donnelly provides an introduction to the use of YUI in rapid prototyping environments.

Yahoo! User Interface Blog RSS

[In the Wild for April 9, 2009](#)

YUI Team 04/09/09 10:34:27

[Implementation Focus: Lunch.com](#)

Eric Miraglia 04/09/09 10:01:33

[John Peloquin's Multi-layer Calendar](#)

Eric Miraglia 04/03/09 15:41:57

[Implementation Focus: Confirmit](#)

http://developer.yahoo.com/yui/

Note: This is the YUI 3.x site. Looking for the YUI 2.x site?

YUI 3: The Yahoo! User Interface (YUI) Library

[Download YUI 3](#)

YUI 3.x PROJECT

- [YUI 3 Home](#)
- [YUI 3 Examples](#)
- [YUI 3 API Docs](#)
- [YUI on GitHub](#)
- [Dependency Configurator](#)
- [YUI is BSD Licensed](#)

YUI 3 CORE

- [YUI \(Global Prerequisite\)](#)
- [Node](#)
- [Event](#)

YUI 3 COMPONENT INFRASTRUCTURE

- [Attribute](#)
- [Base](#)
- [Plugin](#)
- [Widget](#)

YUI 3 UTILITIES

- [Animation](#)

YUI 3.x Preview Release 2

YUI 3.0 Preview Release 2 marks the debut of the [Widget](#) and [Plugin](#) infrastructures. [Overlay](#), [Slider](#), and [Console](#) widgets, and [MenuNav Node Plugin](#) exemplify this new plugin/extension infrastructure. Please read [the release announcement](#) for a full overview of YUI 3.0PR2 then [review the APIs](#), play with [the examples](#), and read the documentation on this site.

Download YUI 3.0 PR2 from [YUILibrary.com](#) and join the [YUI 3.x discussion group](#). Remember this is still a preview release. We want your feedback. Things are still in flux.

ON THIS PAGE

- [Getting Started](#)
- [Licensing](#)
- [Support & Community](#)
- [Filing Bugs & Feature Requests](#)

DOCUMENTATION

- [API Docs](#)
- [Functional Examples](#)
- [Dependency Configurator](#)

DEVELOPER TOOLS

- [Console](#)
- [Profiler](#)
- [YUI Test](#)

CORE

- [YUI \(Global Prerequisite\)](#)
- [Node](#)
- [Event](#)

UTILITIES

- [Animation](#)
- [Cookie](#)
- [Drag & Drop \(DD\)](#)
- [Get](#)
- [IO](#)
- [JSON](#)
- [Queue](#)

CSS RESOURCES

- [CSS Reset](#)
- [CSS Fonts](#)
- [CSS Grid](#)

COMPONENT INFRASTRUCTURE

- [Attribute](#)
- [Base](#)
- [Plugin](#)
- [Widget](#)

WIDGETS

- [Overlay](#)
- [Slider](#)

NODE PLUGINS

- [MenuNav Node Plugin](#)

Eric Miraglia and Matt Sweeney — "YUI 3: A Look Ahead"



Eric Miraglia and Matt Sweeney provide an overview of the forthcoming YUI 3 release. You can [download the YUI 3.x architecture document](#) discussed in the [presentation here](#).



**The Yahoo User Interface
library is a CSS and JavaScript
framework to build working
web applications and sites.**

role: banner ▾

Header

Order 1

role: main ▾

role: none ▾

Order 7

Order 2

Order 3

Order 4

Order 5

Order 6

role: contentinfo ▾

Order 8

Footer

YUI CSS Grid Builder

Body Size

750px ▾

Body Columns

Sidebar left 180px ▾

Split Content

Row:

2 Column (25/75) ▾

✗ Row:

3 Column (33/33/33) ▾

Add Row

Accessibility

☒ Use ARIA Landmark Roles

☒ Show Reading Order

Set Header Content

Set Footer Content

Show Code

Reset

Return to Docs

<http://developer.yahoo.com/yui/grids/builder/>

Unlike other frameworks YUI is not a catch-all solution but is cut up into modules, each fulfilling one job.

YUI Core:

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(base requirement for all YUI components)
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(convenience methods for DOM interactions)
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(event normalization and custom events)

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(dynamic script/css loading)
- [ImageLoader Utility](#)
- [JSON Utility](#)
- [Resize Utility](#)
- [Selector Utility](#)
- [StyleSheet Utility](#)
BETA
- [The YUI Loader Utility](#)

**You can use any of these
modules on their own, even
together with other libraries.**

**We've used these modules to
create reusable widgets
based on our design patterns.**

To:

Subject:

Font Name and Size Arial 13 Font Style B I U A_x A^x T B Undo/Redo Alignment

Indenting and Lists Insert Item

- Inbox
- Drafts
- Sent
- Spam
- Trash
- Contacts
- Calendar
- Notepad
- ydn-patterns
- ydn-mail
- yws-maps
- ydn-delicious
- yws-flickr
- yws-events

YUI Library Controls/Widgets:

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- [ImageCropper](#) BETA
- [Layout Manager](#)
- [Menu](#)
- [Paginator](#)
- [Rich Text Editor](#)
- [Slider](#)
- [TabView](#)
- [TreeView](#)
- [Uploader](#) BETA

The YUI widgets come with an own style that can be fully customised.

Understanding YUI Skins

By Nate Koechley
Yahoo! Inc.
August 1, 2007

The visual presentation of YUI controls is defined with CSS. YUI version 2.3.0 includes a new, cohesive, visual look and feel, or skin. We call this skin "Sam" as a thank you to talented designer Sam Lind for creating it and working with the YUI team to see it implemented.

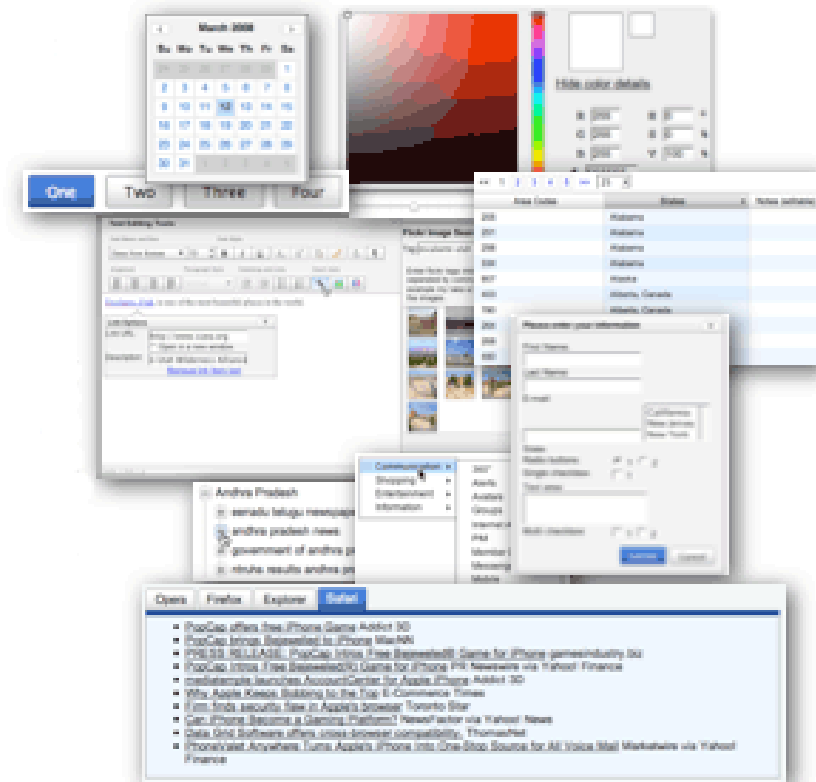
Using YUI Skins

There are two steps to using YUI skins. First, add the skin's class name to your document, or regions of your document. Second, link in the skin's CSS file.

CSS rules for skins are "namespaced" under contextual selectors based on the skin name, in this case "yui-skin-sam." You can apply the skin to the full document or just to specific regions or controls.

To apply the Sam Skin to an entire page, add a "yui-skin-sam" class value to your body element:

<http://developer.yahoo.com/yui/articles/skinning/>



**They all are event driven
which means you can change
their workings without
changing their code.**

AutoComplete Control: Basic Remote Data

This AutoComplete implementation points to an online script that serves a data as delimited plain text. Enabling caching on the DataSource can reduce trips to the server and speed performance for repeated queries.

[View example in new window.](#)

Search our database:

pi

piaa lights
piaggio
piano bar
piano keyboards
piano music
piano score
piano tabs
pi beta phi
pica eating disorder
picasso cubism

YUI Logger Output:

[Collapse](#)

```
INFO 34874ms (+75)
22:39:32:
AutoComplete instance0
myInput
Container expanded

INFO 34799ms (+256)
22:39:32:
AutoComplete instance0
myInput
Item moused out 0

INFO 34543ms (+8) 22:39:32:
AutoComplete instance0
myInput
Container populated with
```

[Pause](#) [Clear](#)

☒ info ☒ warn ☒ error ☒ time
☒ window

☒ global ☒ DataSource
☒ AutoComplete ☒ LogReader

Note: You are viewing this example in debug mode with logging enabled. This

[http://developer.yahoo.com/yui/examples/autocomplete/
ac_basic_xhr_log.html](http://developer.yahoo.com/yui/examples/autocomplete/ac_basic_xhr_log.html)

A large, bold, green number '5' is centered in the background of the slide.

**We provide tools to improve
your products.**

**All our products are built
around a defined
methodology defining
browser support.**

- [A-Grade GBS Chart](#)
- [Recent Chart Changes](#)
- [About the GBS Approach](#)
 - [What Does "Support" Mean?](#)
 - [Progressive Enhancement vs. Graceful Degradation](#)
 - [What are Grades of Support?](#)
 - [Three Grades of Support](#)
- [The GBS Forecast](#)
- [The GBS Archive](#)

A-Grade Browser Support Chart

This chart lists browsers that receive A-grade support as defined by [Graded Browser Support](#).

	Win 2000	Win XP	Win Vista	Mac 10.4.†	Mac 10.5.†
Firefox 3.0.†		A-grade	A-grade		A-grade
Firefox 2.0.†		A-grade			A-grade
IE 8.0		A-grade	A-grade		
IE 7.0		A-grade	A-grade		
IE 6.0	A-grade	A-grade			
Opera 9.6†		A-grade			A-grade
Safari 3.2†				A-grade	A-grade

The dagger symbol (as in "Firefox 3.†") indicates that the most-current non-beta version at that bra

<http://developer.yahoo.com/yui/articles/gbs/>

**You can use this
methodology to scope out
client work without over
promising.**

**One great tool to test the
quality of a web sites is
YSlow.**

How can you make it faster?

The screenshot displays the YSlow performance tool interface. At the top, the website being analyzed is **icant.co.uk - everything Christian Heilmann**. The navigation bar includes links for **EVENTS**, **PRESENTATIONS**, **ARTICLES**, **VIDEOS**, **BIO**, **BOOKS**, **BLOG**, and **CONTACT**. The main content area is divided into two sections: **About this and me** and **Upcoming Events**. The **About this and me** section features a profile picture of Christian Heilmann and a bio: "Hello, I am Christian Heilmann, a Developer Evangelist living and working in London, England." The **Upcoming Events** section lists an event: "27/03/09 - Frankfurt, Germany - European Accessibility Forum".

The YSlow tool interface shows the following details:

- Grade:** A (Overall performance score 96)
- Ruleset applied:** Small Site or Blog
- URL:** http://icant.co.uk/
- Filter by:** ALL (14) | CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (1)

The tool provides a list of recommendations to improve performance:

- A Make fewer HTTP requests
- B Compress components with gzip
- A Put CSS at top
- A Put JavaScript at bottom
- A Avoid CSS expressions
- D Reduce DNS lookups
- A Minify JavaScript and CSS
- A Avoid URL redirects

The tool also provides a detailed explanation for the **Grade A on Make fewer HTTP requests** rule:

This page has 3 external stylesheets. Try combining them into one.

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 files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](http://developer.yahoo.com/yslow/)

<http://developer.yahoo.com/yslow/>

YSlow is a Firebug plugin that grades a web site against our exceptional performance rules and points at solutions how to improve it.

Logger Control: Using LogWriter

Using LogWriter.

Example: Log messages into different categories

By default, unsourced log messages get assigned to a "global" bucket.

- Log an "info" message.
- Log a "warn" message.
- Log an "error" message.
- Log a "time" message.

Example: Log messages into different categories and assign them to a source called myBucket

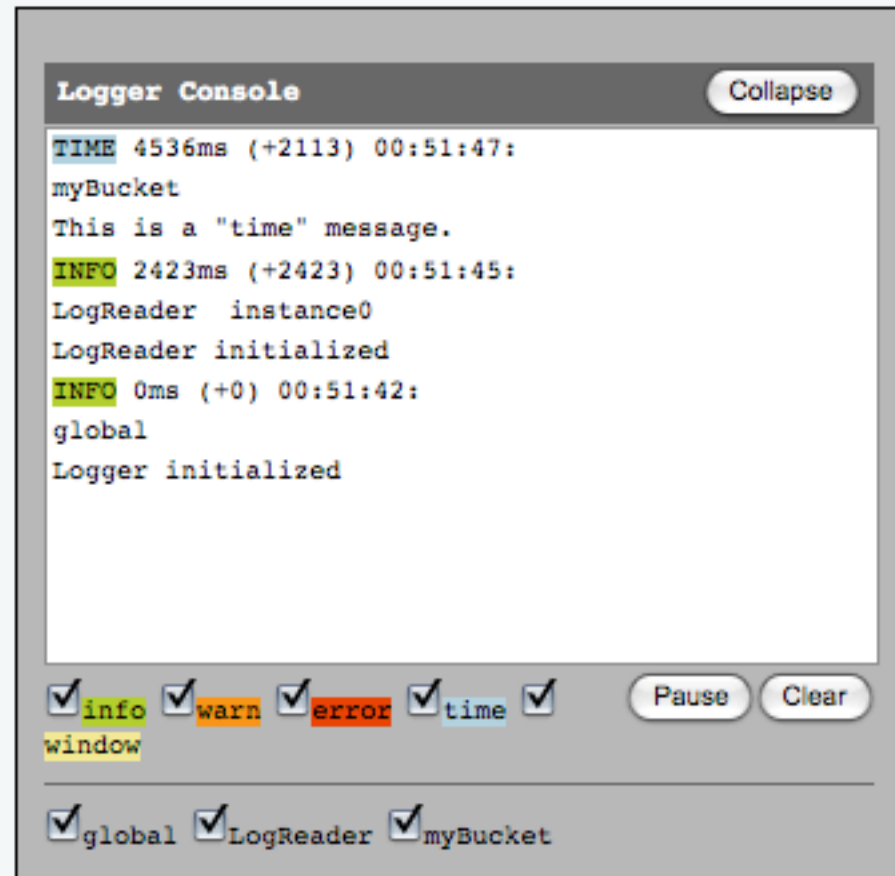
You can assign a source to a log message by passing it in as the third argument to `YAHOO.log()`.

- Log an "info" message.
- Log a "warn" message.
- Log an "error" message.
- Log a "time" message.

Example: Create a LogWriter to write log messages from a class named MyClass

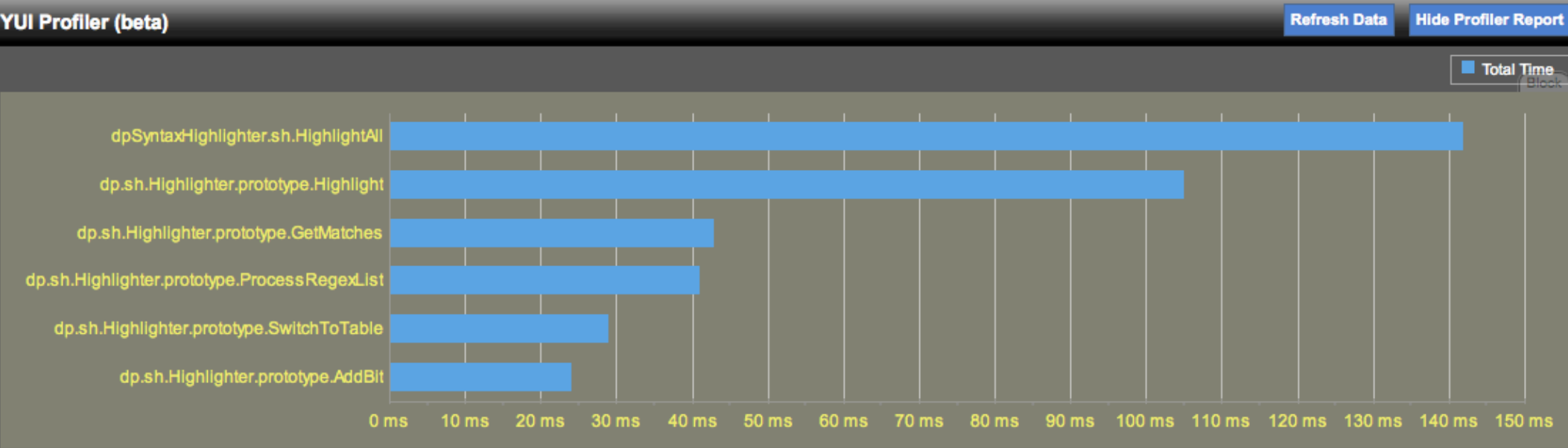
If you plan to assign many log messages to the same source (such as from a class), it may be easier to write log messages from a LogWriter instance.

- Log an "info" message.
- Log a "warn" message.
- Log an "error" message.
- Log a "time" message.



<http://developer.yahoo.com/yui/logger/>

The YUI logger is a cross-browser debugging console that allows you to report bugs without having to resort to using `alert()`;



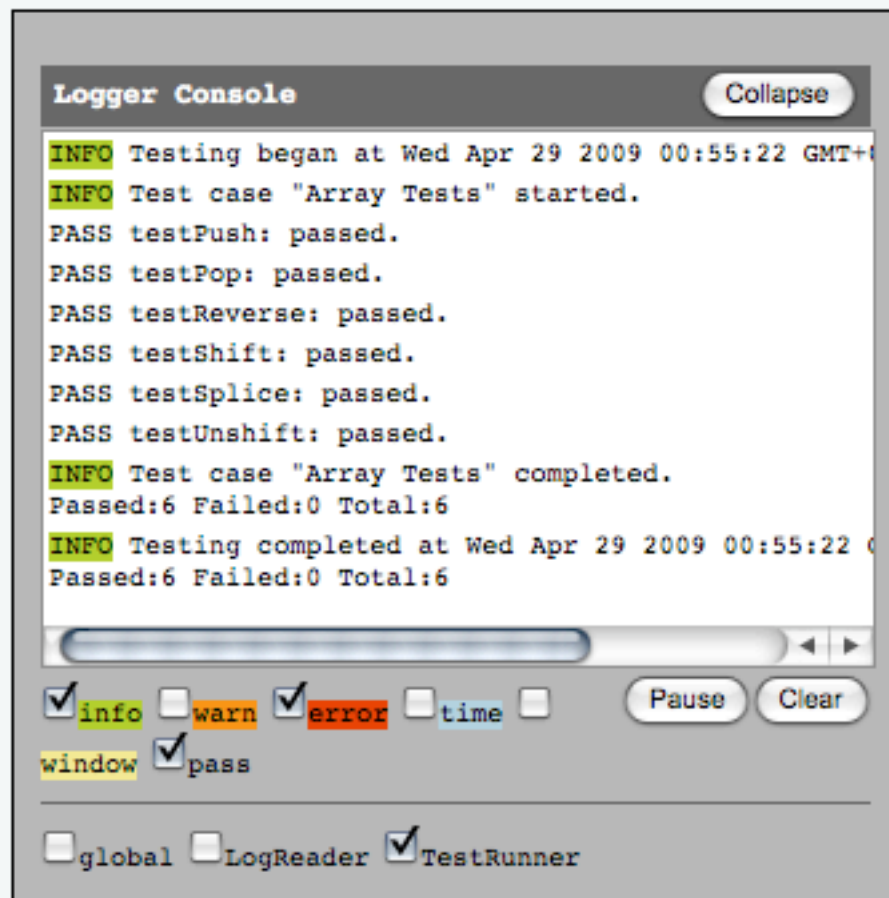
<http://developer.yahoo.com/yui/profilerviewer/>

The YUI profiler allows you to run JavaScript and profile its performance, thus finding bottlenecks.

YUI Test Utility: Array Processing

This example shows how to use the [ArrayAssert](#) object, which contains assertions designed to be used specifically with JavaScript Arrays and array-like objects.

[View example in new window.](#)



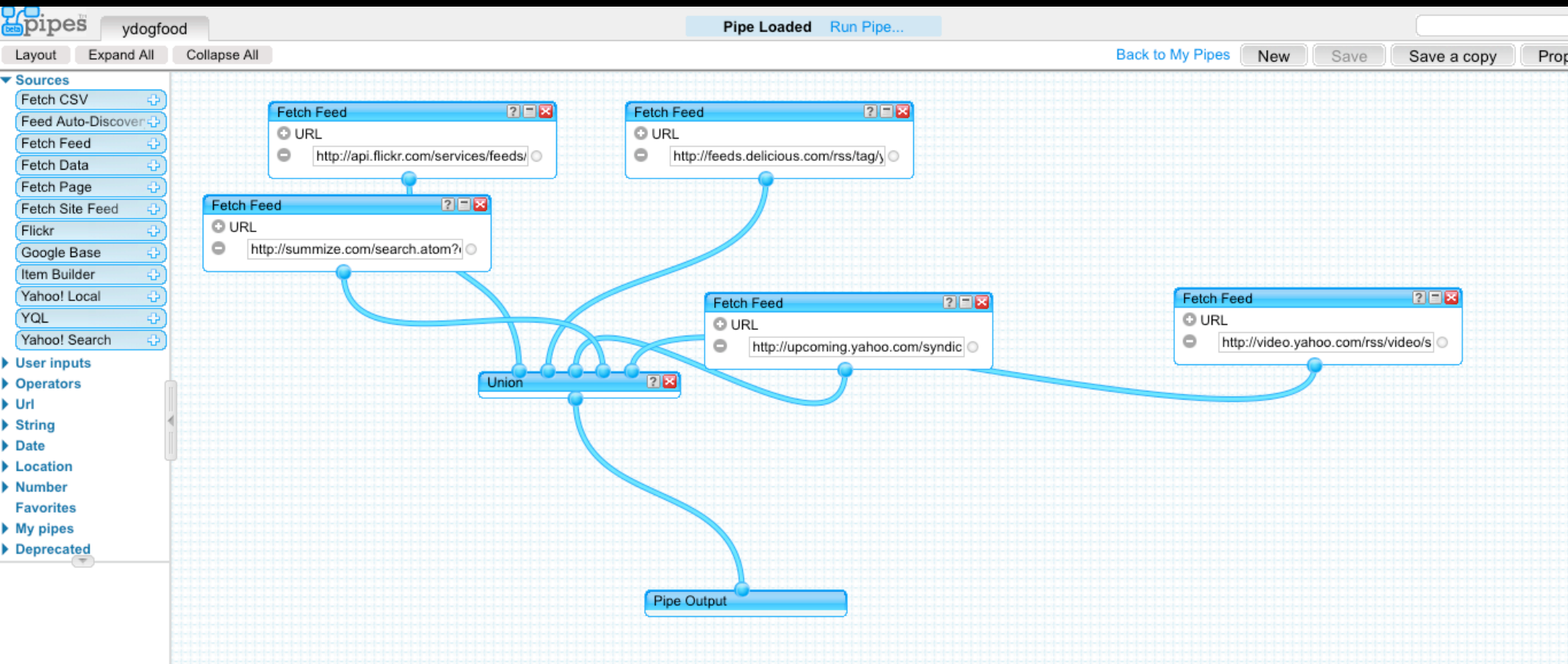
<http://developer.yahoo.com/yui/yuitest/>

The YUI test utility is a framework to write JavaScript in a Test-Driven way.



**We offer amazingly easy
interfaces to the web.**

First there was Pipes.



<http://pipes.yahoo.com>

Pipes is a visual interface to retrieve data of the web or of the user and remix it.

However, Pipes was too complex and not flexible enough as you cannot change a pipe programmatically.

**So we came up with a query
language for the web: YQL.**

**Say you want to get photos of
Paris that you are allowed to
show in your own products.**

**You need to define Paris
without a doubt.**

```
select woeid from  
geo.places where  
text='Paris,france'
```

Then find photos that were taken there.

```
select id from flickr.photos.search  
where woe_id in (select woeid from  
geo.places where  
text='paris,france')
```


**Check that they have the
right license.**

```
select id from flickr.photos.search  
where woe_id in (select woeid from  
geo.places where  
text='paris,france') and license=4
```

**And get all the information
about them.**

```
select * from flickr.photos.info  
where photo_id in (select id from  
flickr.photos.search where woe_id in  
(select woeid from geo.places where  
text='paris,france') and license=4)
```

YAHOO! DEVELOPER NETWORK

icanthdm | Sign Out

HOME

MY PROJECTS

YDN

Yahoo! Query Language

Console

Your YQL Statement

select * from flickr.photos.info where photo_id in (select id from flickr.photos.search where woe_id in (select woeid from geo.places where text='sydney,au') and license=4)

XML

JSON

TEST

Permalink

The REST query

http://query.yahooapis.com/v1/public/yql?q=select%20*%20from%20flickr.photos.informat=xml

Block

How do I use this?

COPY URL

FORMATTED VIEW

TREE VIEW

<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="10" yahoo:created="2009-04-21T12:56:36Z" yahoo:lang="en-US" yahoo:updated="2009-04-21T12:56:36Z">
 <diagnostics>
 <publiclyCallable>true</publiclyCallable>
 <url execution-time="44"><![CDATA[http://where.yahooapis.com/v1/places.g(sydney%2Cau);start=0;count=10]]></url>
 <url execution-time="191"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.search&license=4&woe_id=1105779&page=1&per_page=10]]></url>
 <url execution-time="171"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3459481735]]></url>
 <url execution-time="176"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454274933]]></url>
 <url execution-time="181"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454215117]]></url>
 <url execution-time="190"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454271039]]></url>
 <url execution-time="206"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454286007]]></url>
 <url execution-time="174"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454226749]]></url>
 <url execution-time="189"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3454204683]]></url>
 <url execution-time="184"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3455023480]]></url>
 <url execution-time="195"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3452433474]]></url>
 <url execution-time="186"><![CDATA[http://api.flickr.com/services/rest/?method=flickr.photos.getInfo&photo_id=3451060043]]></url>
 <user-time>632</user-time>
 <service-time>2087</service-time>
 <build-version>1390</build-version>
 </diagnostics>
 <results>
 <photo dateuploaded="1240251100" farm="4" id="3459481735" isfavorite="0" license="4" media="photo" originalformat="jpg" originalsecret="eae0037c" owner="Pinky Li" realname="Pinky Li" username="pinkylkeos">
 <owner location="Sydney, Australia" nsid="27062603@N03" realname="Pinky Li" username="pinkylkeos"/>
 </photo>
 </results>
</query>

Recent Queries

select * from flickr.photos.info

select * from flickr.photos.info

select * from flickr.photos.info

select * from flickr.photos.info

select * from flickr.photos.info

select * from flickr.photos.info

Example Queries

get the flickr image url by p

get san francisco geo data

get san francisco woeid

get geo details about san f

find sushi restaurants in sa

Available Data Tables

social

social.connections

social.contacts

social.presence

social.profile

social.updates

flickr

Version 1.0 | Copyright © 2008 Yahoo! Inc. All rights reserved. [Copyright](#) | [Privacy Policy](#) | [Forum](#)

<http://developer.yahoo.com/yql>

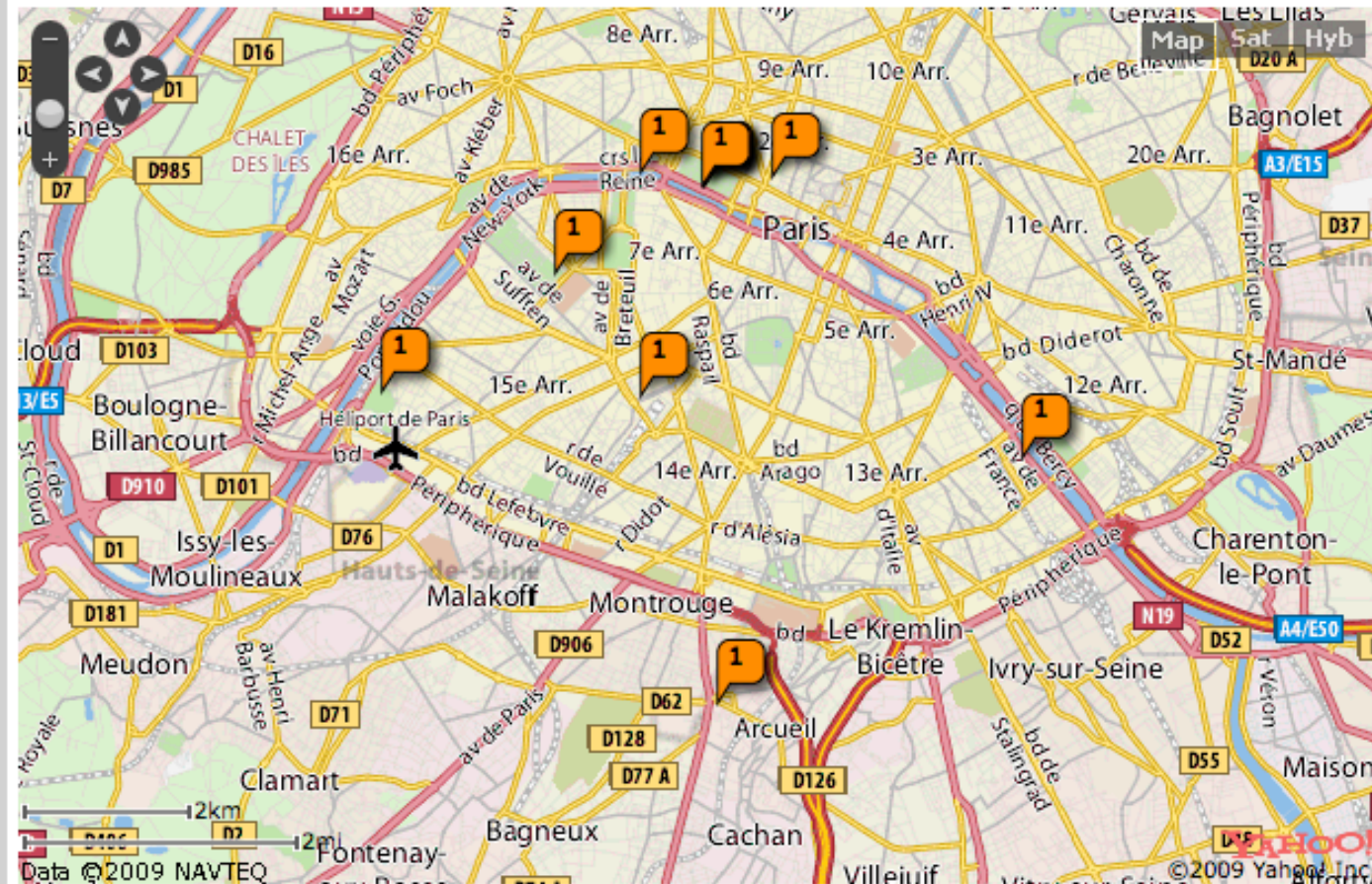
[http://developer.yahoo.com/yql/console/?q=select%20*%20from%20flickr.photos.info%20where%20photo_id%20in%20\(select%20id%20from%20flickr.photos.search%20where%20woe_id%20in%20\(select%20woeid%20from%20geo.places%20where%20text%3D%27paris%2Cfrance%27\)%20and%20license%3D4\)](http://developer.yahoo.com/yql/console/?q=select%20*%20from%20flickr.photos.info%20where%20photo_id%20in%20(select%20id%20from%20flickr.photos.search%20where%20woe_id%20in%20(select%20woeid%20from%20geo.places%20where%20text%3D%27paris%2Cfrance%27)%20and%20license%3D4))

**You have the data, now you
can build a nice interface to
show it.**

Geo Location powered image search with YQL and Flickr

Find photos in: paris,france

Search



Go to page 1



I took this pic last December.. There was nobody !!
[View On Black](#)

Written by [Christian Heilmann](#), powered by [YUI](#), [YQL](#), [Flickr](#) and [Yahoo Maps](#)

<http://isithackday.com/hacks/cantine/index.php?loc=paris,france>

**All without having to spend
hours on reading either the
Flickr or the GeoPlanet API
docs :)**

**Using YQL and YUI you can
create a whole web site
maintained elsewhere.**



About this and me



Hello, I am Christian Heilmann, a Developer Evangelist living and working in London, England.

This site has [traditionally been my repository of online articles](#) but as times change and I am too busy to maintain it all it now is a repository of my talks, videos and other bits and bobs I share on the web.

I work for the [Yahoo Developer network](#) and I am [available as a speaker for your events](#).

This site is dynamically generated from several web resources using [YQL](#).

The photo on the left was taken by [Hugues Moreno](#) at the Paris Web conference 2009.

Upcoming Events

Want to see me speak? Here's where I will be in the nearer future.

27/03/09 - Frankfurt, Germany - European Accessibility Forum

06/04/09 - 10/04/09 Sunnyvale, California, US - DOM Training

17/04/09 - 19/04/09 Taiwan - Uni Hack Day and OSDC

[20/04/09 - 24/04/09 Melbourne, Australia and Sydney, Australia - Web Directions Workshops](#)

[Check out the event archive](#)



Presentations

Here are my latest presentations, hosted on SlideShare for you to re-use.

OSDC - Open and Accessible



My presentation at the open source

The road to professional web development



My presentation in Taiwan about the

Accessible web applications



My presentation at the panel on

Georgia Tech hacking Accessibility



icant.co.uk is maintained by uploading slides to slideshare, write posts on my blog and bookmark things in delicious.

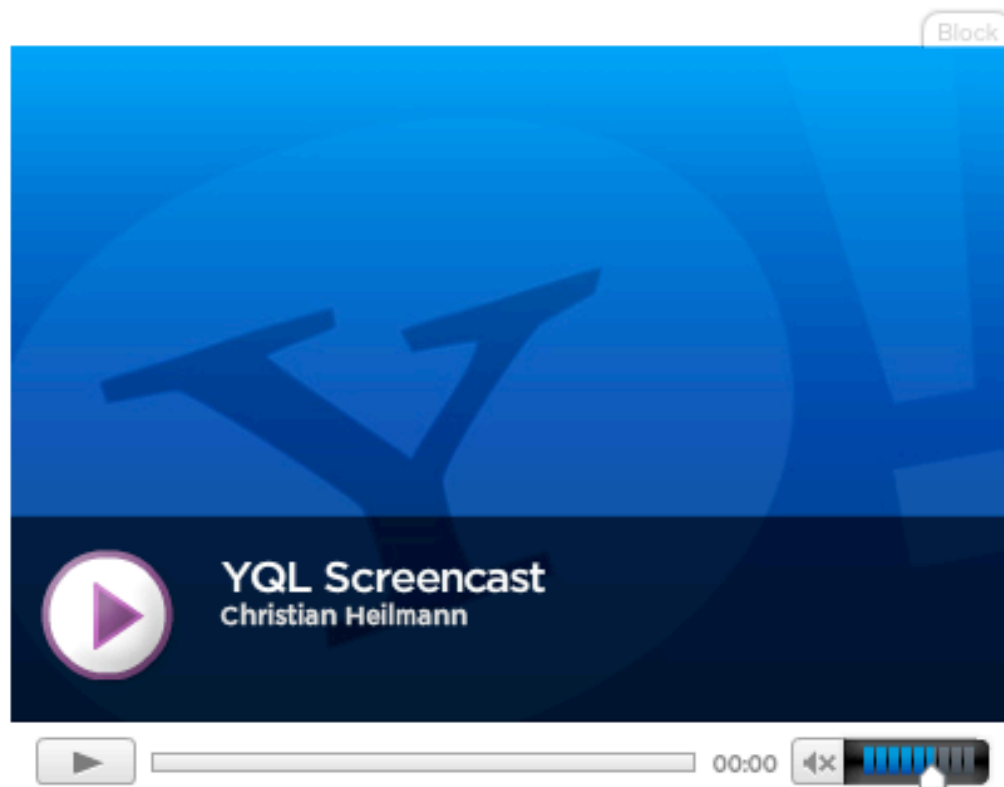
APRIL 10, 2009

Screencast: Collating distributed information with YQL

In order to reach the most people on the web, it is a good idea to distribute your information. That way you can reach all kind of specialized audiences. On the flipside you also spread yourself thin and people will miss some of the goodies you put out on the web.

In this screencast tutorial you'll see how I built my home on the web, <http://icant.co.uk> the lazy way by using **YQL** to gather data from all kind of sources and **YUI grids** to display them in a single interface.

If you can spare 15 minutes of your time check out the screencast below to learn how to build a site like icant.co.uk from data stored on Slideshare, Delicious and on a Wordpress based blog with a few dozen lines of PHP.



There is a screencast available on the YDN blog about how it is done.

**YQL makes access to all kind
of APIs very easy.**

**What if you want to add
yours?**

YQL has a concept of “Open Tables”.

**This means you can tell us
about your API endpoint and
parameters in an XML
schema...**

**...point to this schema and
use it as a table in YQL.**

For example: Twitter.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <table xmlns="http://query.yahooapis.com/v1/schema/table.xsd">
3   <meta>
4     <author>Paul Daniel</author>
5
6     <documentationURL>http://apiwiki.twitter.com/REST+API+Documentation#show</docu
7     mentationURL>
8   </meta>
9   <bindings>
10     <select itemPath="feed.entry" produces="XML">
11       <urls>
12         <url>http://twitter.com/statuses/user\_timeline/{id}.atom</url>
13       </urls>
14       <paging model="page">
15         <start default="0" id="page"/>
16         <pagesize max="200" id="count"/>
17         <total default="20"/>
18       </paging>
19       <inputs>
20         <key id="since" type="xs:string" paramType="query" />
21         <key id="since_id" type="xs:string" paramType="query" />
22         <key id="id" type="xs:string" paramType="path" required="true"/>
23       </inputs>
24     </select>
25   </bindings>
26 </table>
```


Your YQL Statement

```
twitter;select title,link from twitter
where id='codepo8'
```

☒ XML
 ☐ JSON

[Permalink](#)

The REST query

```
http://query.yahooapis.com/v1/public
/yql?q=use%20%22http%3A%2F
%2Fgithub.com%2Fspullara%2Fyql-
tables%2Fraw%2F4832c92c38389e98f5cee
%22%20as%20twitter%3Bselect%20title%2
```

[How do I use this?](#)

```
<?xml version="1.0" encoding="UTF-8"?>
<query xmlns:yahoo="http://www.yahooapis.com/v1/base.rng" yahoo:count="40" yahoo:created="2009-04-
<diagnostics>
  <publiclyCallable>true</publiclyCallable>
  <url execution-time="12"><![CDATA[http://github.com/spullara/yql-tables/raw/4832c92c38389e
  <url execution-time="1875"><![CDATA[http://twitter.com/statuses/user_timeline/codepo8.ato
  <user-time>1953</user-time>
  <service-time>1887</service-time>
  <build-version>1432</build-version>
</diagnostics>
<results>
  <entry xmlns="http://www.w3.org/2005/Atom">
    <title>codepo8: @beep but if you need to wash them all you need to do is hold the zip
    <link href="http://twitter.com/codepo8/statuses/1638910671" rel="alternate" type="text
  </entry>
  <entry xmlns="http://www.w3.org/2005/Atom">
    <title>codepo8: @beep but if you need to wash them all you need to do is hold the zip
```

Recent Queries

Example Queries

- get my profile data
- get my friends
- get all my friends profiles
- get my friends nicknames
- get my last added friend

Available Data Tables

- social
 - social.connections
 - social.contacts
 - social.presence
 - social.profile
 - social.updates
- flickr
- geo
- gnip
- local

use "<http://github.com/spullara/yql-tables/raw/4832c92c38389e98f5ceef017f61d59a9e027664/twitter/twitter.user.timeline.xml>" as twitter;
select title,link from twitter where id='codepo8'

**There's a repository of open
tables available on github.**



Source

Commits

Network (41)

Issues (0)

Downloads (0)

Wiki (1)

Graphs

master

all branches

all tags

spullara / yql-tables



39

41



YQL is extensible using a table definition. This repository will hold community
contributed definitions.

Description:

Homepage:

Public Clone URL: [git@github.com:spullara/yql-tables.git](https://github.com/spullara/yql-tables.git)<http://github.com/spullara/yql-tables/tree/master>

wrong sample, switching them



Samuel Pullara (author)

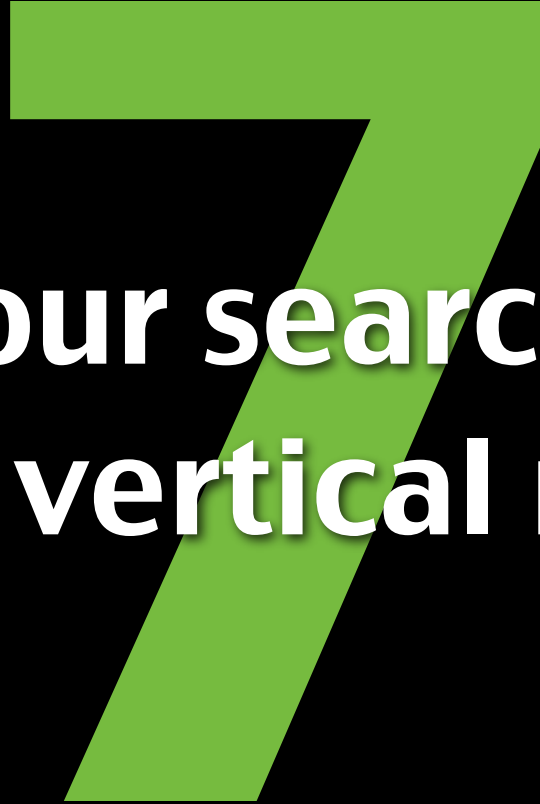
April 05, 2009

commit 4cf1edc9bce879d2c36aa15c6230688f8690da3a
tree 83263c5989330609620813366e1adc0baf16c919
parent 8f54256ce33b6a69e14023bb0d60725c0a8a9fda

yql-tables /

name	age	message	history
.gitignore	February 14, 2009	- Adding twitter user tables based on http://ga... [Bart Teeuwisse]	
README	February 05, 2009	readme [spullara]	
alltables.env	April 03, 2009	create a job that will update the env file and ... [Sam Pullara]	
amazon/	March 12, 2009	Add more query parameters to the amazon webserv... [nageshs]	
delicious/	February 05, 2009	tweaks [spullara]	
dopplr/	February 07, 2009	A few tweaks [Samuel Pullara]	
etsy/	March 25, 2009	Etsy user favorites [Rasmus Lerdorf]	
friendfeed/	February 05, 2009	fix the batching [spullara]	
github/	April 05, 2009	wrong sample, switching them [Samuel Pullara]	
greader/	March 05, 2009	New greader [hapdaniel]	

**Add yours, get people to use
your API and get famous :)**



**We offer our search index to
tailor to vertical markets.**

Yahoo! Search BOSS

BOSS (Build your Own Search Service) is Yahoo!'s open search web services platform. The goal of BOSS is simple: to foster innovation in the search industry. Developers, start-ups, and large Internet companies can use BOSS to build and launch web-scale search products that utilize the entire Yahoo! Search index. BOSS gives you access to Yahoo!'s investments in crawling and indexing, ranking and relevancy algorithms, and powerful infrastructure. By combining your unique assets and ideas with our search technology assets, BOSS is a platform for the next generation of search innovation, serving hundreds of millions of users across the Web.



How Do I Get Started?

1. Check out BOSS specs and mash-up examples below
2. Review the [documentation](#)
3. Get a [BOSS Application ID](#)

<http://developer.yahoo.com/search/boss/>

OVERVIEW

Search APIs are nothing new, but typically they've included rate limits, strict terms of service regarding the re-ordering and presentation of results, and provided little or no opportunity for monetization. These constraints have limited the innovation and commercial viability of new search solutions.

Yahoo BOSS allows you API access to Yahoo's search index.

READY TO GET
By applying for an App
hereby agree to the T

G

Read

RECENT BLOG A

BOSS Hack Day I
Tue, 28 Oct 2008

BOSS Challenge Mashable
Wed, 22 Oct 2008

The BOSS Team
Wed, 22 Oct 2008

And the Winner Is
Tue, 14 Oct 2008

Using the BOSS API

São Paulo
- 23:27

A small suggestion
Tue, 11 Nov 2008

Re: Silly question
Mon, 10 Nov 2008

askBoss

a natural language image search powered by [Yahoo Boss](#) and [Google App Engine](#)

ask

[who is batman in the dark knight](#)
[what is the tallest mountain in the world](#)
[which is the first animal to reach space](#)
[who invented the pneumatic tire](#)

Featured at: [TechCrunch](#) and [Yahoo Search Blog](#)

[About askBoss](#) | [Feedback](#)

<http://ask-boss.appspot.com/>

Using this you can build very intelligent searches, like ask boss, a natural language search.

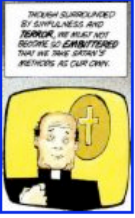
YAHOO! SEARCH [Web](#) [Images](#) [Video](#) [Local](#) [Shopping](#) [more »](#)

who is batman in the dark knight [Advanced Search](#) [Preferences](#)


SafeSearch is on ([turn off](#))

Image Results 1 - 20 of about 72 for who is batman in the dark knight - 0.02 sec.


Show: All | [Wallpaper](#) - [Large](#) - [Medium](#) - [Small](#) | [Color](#) - [Black & White](#)




DarkKnight_priest.jpg
300 x 485 | 42.8kB
www.adherents.com




492f33314963505...4c.jpg
160 x 153 | 11.1kB
booksall.net



darkknightreturns.jpg
300 x 485 | 42.8kB
www.adherents.com



Arnold_Crimp.jpg
300 x 485 | 42.8kB
www.adherents.com




BMBatman2.jpg
300 x 485 | 42.8kB
www.adherents.com


Google who is batman in the dark knight [Advanced Image Search](#) [Preferences](#)

[Moderate SafeSearch is on](#) [New! Google Image Labeler](#)


Images Showing: Results 1 - 20 of about 1,840,000 for who is [batman in the dark knight](#). (0.15 seconds)




batman-20060428...15.jpg
468 x 206 | 62.4kB
www.superherohype.com




Peppi_Spandek.jpg
700 x 222 | 71.3kB
www.adherents.com




... Batman - The Dark Knight
1024 x 768 - 141k - jpg
www.myfreewallpapers.net




batman dark knight
1280 x 960 - 229k - jpg
win-vista-wallpaper.blogspot.com




Batman the Dark Knight
wallpaper
1280 x 960 - 135k - jpg
www.cinematicwallpaper.com




batman dark knight
877 x 620 - 62k - jpg
win-vista-wallpaper.blogspot.com




The new Batman Dark Knight
Trailer ...
428 x 336 - 59k - jpg
www.hidef.com




Batman Dark Knight on
motorcycle
1900 x 1267 - 563k - jpg
www.cool-wallpapers.biz




Okay Batman fans! Today The
Dark ...
450 x 535 - 32k - jpg
grownupgeek.com



Joker Dark Knight
508 x 482 - 22k - jpg
www.thefilmchair.com



Batman, Bob Kane, The Dark Knight,
...
420 x 631 - 52k
www.pjlighthouse.com



Batman Dark Knight photos
500 x 333 - 29k - jpg
www.brokencode.com

If you do an image search on either Yahoo or Google for "who is batman in the dark night" you get all kind of weird results.

askBoss

who is batman in the dark knight

ask

[who is batman in the dark knight](#)
[which is the famous bridge of San Francisco](#)
[what is the tallest mountain in the world](#)
[who invented the telephone](#)

Image Results

1 - 18 of about 40631 results for who is batman in the dark knight



Bale_JS4796.jpg
600 X 841 | 64K
<http://www.absolut...>



christian_bale1...
150 X 150 | 5K
<http://www.tiscali...>



christian_bale...
114 X 178 | 5K
<http://www.killerm...>



492f33314963505...
160 X 153 | 10K
<http://booksall.ne...>



christian_bale_...
526 X 600 | 73K
<http://handson.pro...>



BMBatman2.jpg
205 X 300 | 11K
<http://www.minimat...>



christian_bale_...
383 X 465 | 57K
<http://handson.pro...>



Bale_Blazic_JS4...
600 X 900 | 98K
<http://www.absolut...>



christian_bale_...
440 X 272 | 25K
<http://wetmen.prov...>



DarkKnight_prie...
300 X 485 | 41K
<http://www.adheren...>



christian-bale-...
400 X 266 | 28K
<http://www.glunp.c...>



christian_bale_...
600 X 448 | 111K
<http://barefoot.pr...>

<http://ask-boss.appspot.com/>

Ask BOSS on the other hand analyses both query and results in a natural language manner and thus finds much more relevant results.



view=searchmonkey_feed



R D F

view=searchmonkey_rdf

**[http://developer.yahoo.com/search/boss/
structureddata.html](http://developer.yahoo.com/search/boss/structureddata.html)**

BOSS supports semantic data in HTML documents and gets you access to it.

Keywordfinder - find related keywords for any search

Keywordfinder helps you discover very successful keywords for any topic you enter. This allows you to write page copy that makes it much easier for people on the web to find your content.

Simply enter a topic in the following search box, hit "Go" and we will provide you with the 20 most successful keywords related to your topic and the top web sites to compare yours with.

How does
Keywordfinder
work?

Is it free?

Can we have a
version for our
company?

Contact Us

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Find keywords for:

in

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Related Keywords:

gesture
India
bow
honor
spirit
Namaste Yoga
Namaste
H
na
Nepal

Top Sources:

1. [Namasté - Wikipedia, the free encyclopedia...](#)
2. [Salaam Namaste - Wikipedia, the free encyclopedia...](#)
3. [YouTube - Namaste!](#)
4. [YouTube - NAMASTE LONDON - OUR INDIA IS THE BEST...](#)
5. [Namaste Interfaith Center, The](#)
6. [Namaste TV Show - Episode Guide](#)
7. [Namaste UK Ltd > Clothing & Accessories](#)

<http://keywordfinder.org>

BOSS also shows you the terms people entered to end up on a certain web site.

**So there you have it – 7 things
we offer you as developers to
use and learn from.**

**We're improving our work by
getting your feedback and
seeing your implementations.**

And you can build much better products by basing them on working solutions and concentrating on the delivery of your products rather than problems we already had to solve for you.

**Come and grab and show us
what you can do!**

Thanks.

Any questions?

Christian Heilmann

<http://icant.co.uk>

<http://wait-till-i.com>

<http://scriptingenabled.org>

<http://twitter.com/codepo8>

