

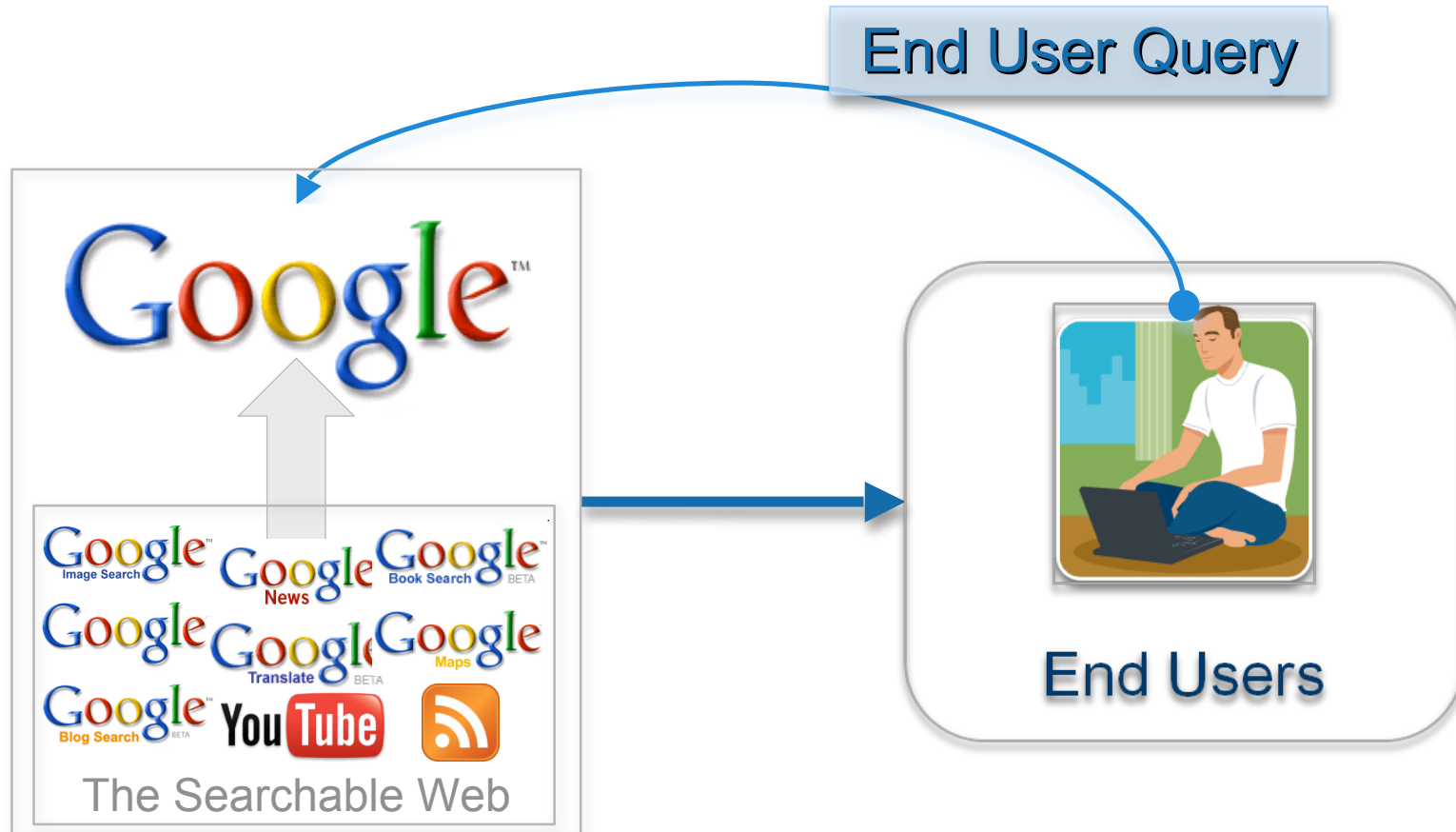
Google AJAX APIs

Mark Lucovsky



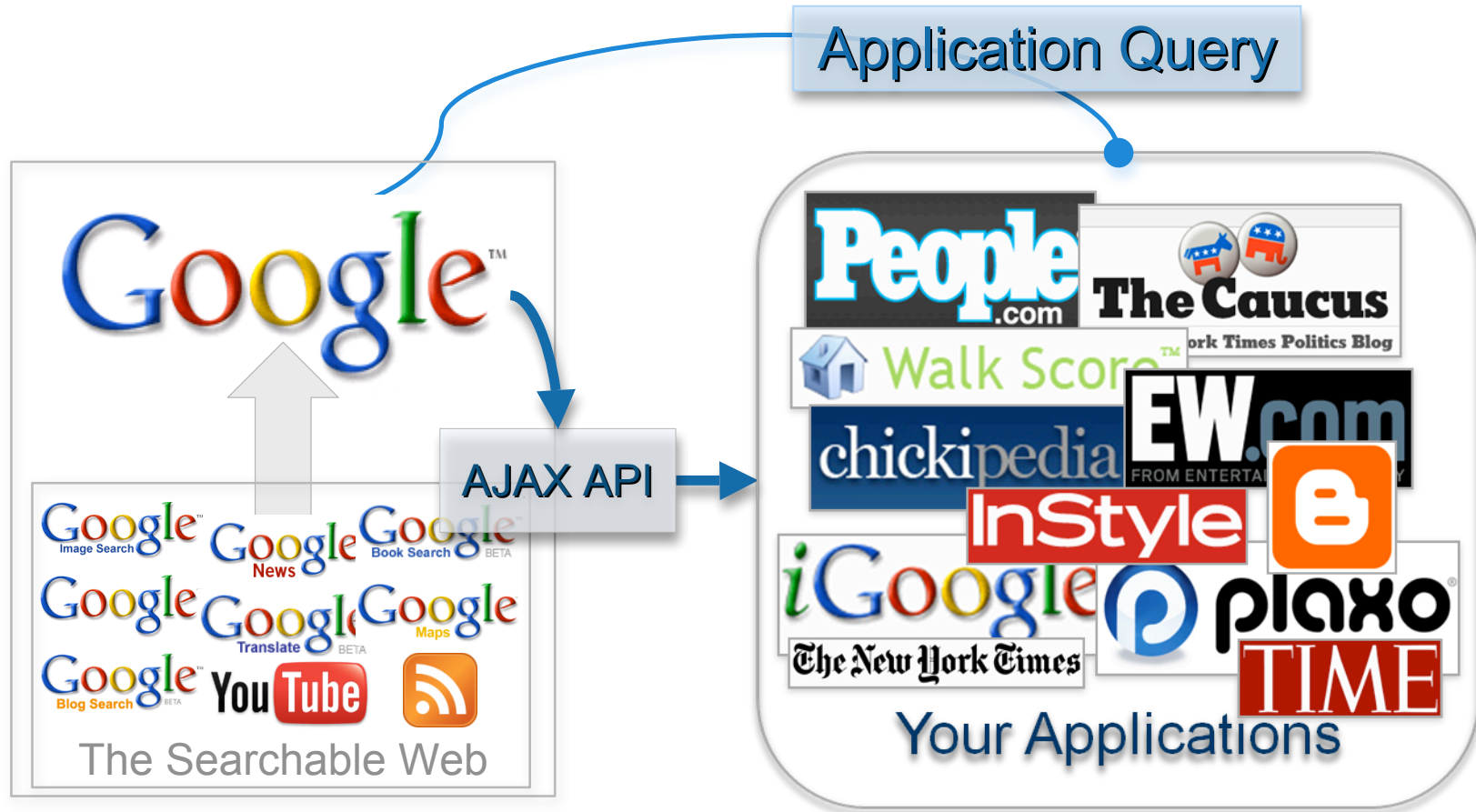
Google

Delivering the Web to End Users



Google AJAX APIs

Delivering the Web to Your Applications



Google AJAX APIs

Delivering the Web to Your Applications



- RESTful data access layer
 - JSON/JSON-P
- JavaScript Runtime
 - Designed for ease of use
- JavaScript Controls and UI elements
 - Custom integration and styling



Demo

http://www.time.com/time/global_business/united-states

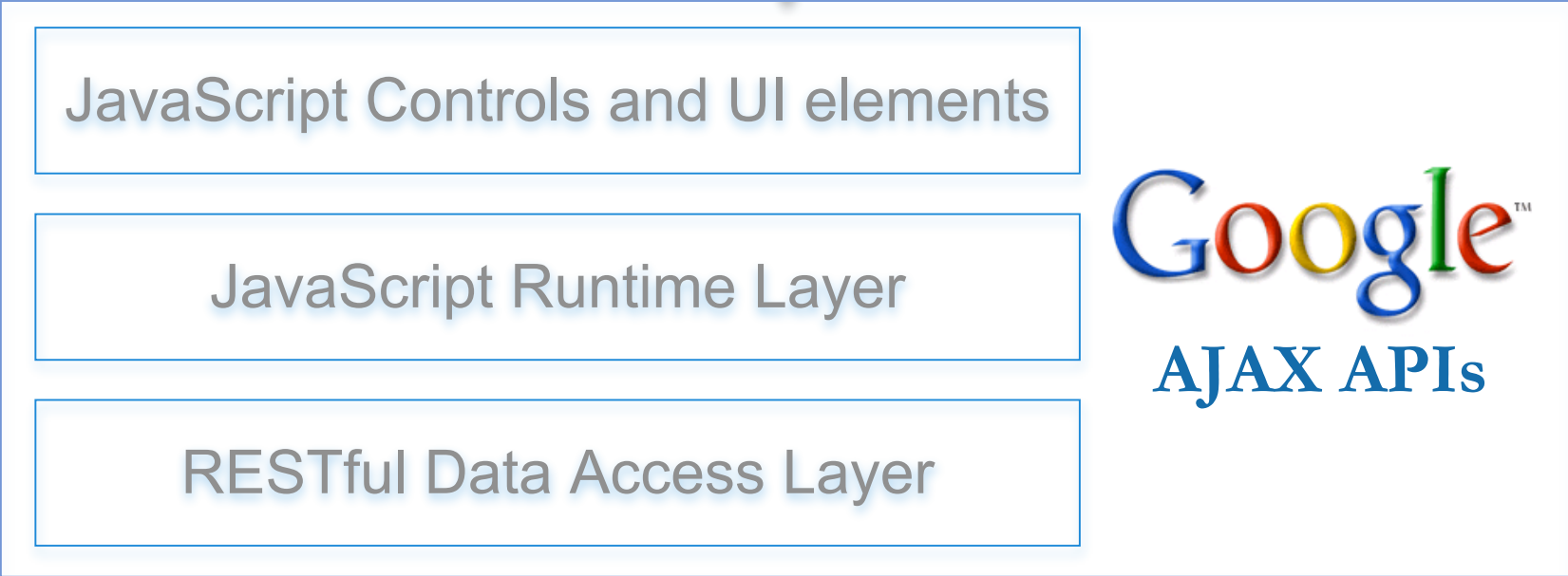


Agenda

- Intro to the API Stack
- Recent Launches
- Current Status
- More Info



The Basic Blocks



RESTful Data Access Layer

http://ajax.googleapis.com/.../search/web?q=Google*

*optional &callback= results in JSON-P response

```
{“responseData” : {  
  “results” : [  
    { “url” : “some-url”, “title” : “the site”,...},  
    ...  
    { “url” : “some-url”, “title” : “the site”,...}],  
  “cursor” : {}  
}, “responseDetails” : null, “responseStatus” : 200}
```



RESTful Data Access Layer (cont)

- Learn More:
 - Vadim's Talk Tomorrow Afternoon
 - API Documentation
- A World Beyond AJAX: Accessing Google's APIs from Flash and Other Non-JavaScript Environments Thursday @11:30, Room 9

<http://code.google.com/apis/ajaxsearch/documentation/#fonje>

<http://code.google.com/apis/ajaxfeeds/documentation/#fonje>

<http://code.google.com/apis/ajaxlanguage/documentation/#fonje>



JavaScript Runtime Layer

- Simple JavaScript Objects for each API
 - Search API
 - Searcher Objects
 - Search Control Objects
 - Result Objects, and assorted static methods
 - Feed API
 - Feed Object
 - Feed Control Object
 - Result Objects, and assorted static methods
 - Language API
 - Result Objects
 - Assorted Static Methods, e.g., `google.language.translate()`;



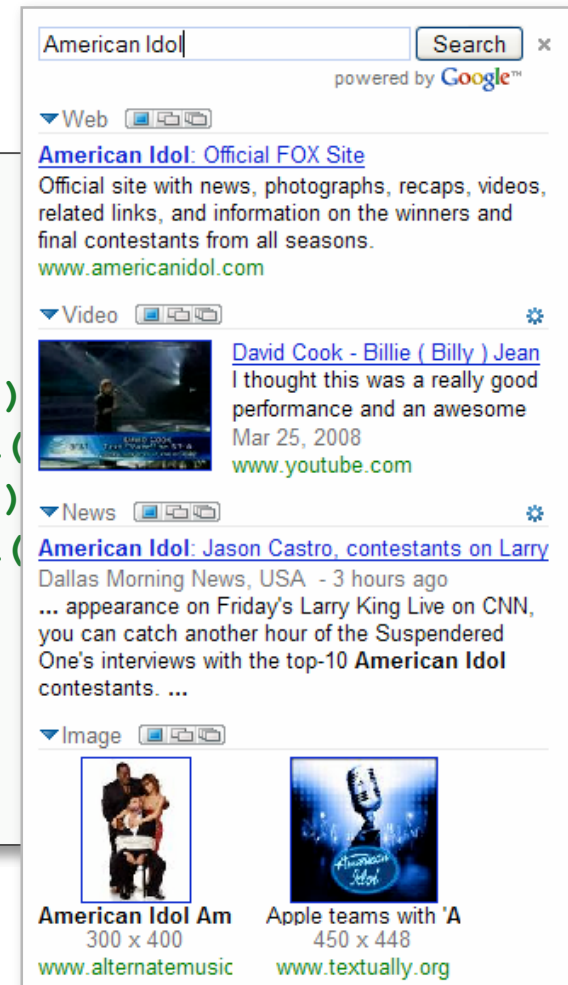
Hello World of The AJAX Search API

The Search Control Object



```
google.load("search", "1");





function init() {
var sc = new google.search.SearchControl();
sc.addSearcher(new google.search.WebSearch());
sc.addSearcher(new google.search.VideoSearch());
sc.addSearcher(new google.search.NewsSearch());
sc.addSearcher(new google.search.ImageSearch());




sc.draw(document.getElementById("scNode"));
sc.execute("American Idol");
}
google.setOnLoadCallback(init, true);
```







American Idol | Search x
powered by Google™

▼ Web  
American Idol: Official FOX Site
Official site with news, photographs, recaps, videos, related links, and information on the winners and final contestants from all seasons.
www.americanidol.com

▼ Video   
 **David Cook - Billie (Billy) Jean**
I thought this was a really good performance and an awesome
Mar 25, 2008
www.youtube.com

▼ News   
American Idol: Jason Castro, contestants on Larry
Dallas Morning News, USA - 3 hours ago
... appearance on Friday's Larry King Live on CNN, you can catch another hour of the Suspended One's interviews with the top-10 American Idol contestants. ...

▼ Image  
 **American Idol Am**
300 x 400
www.alternatemusic

 **Apple teams with 'A**
450 x 448
www.textually.org

Raw Search Processing

Execution and Completion Processing

```
google.load("search", "1");

function init() {
    var ws = new google.search.WebSearch();

    // bind to a completion handler
    ws.setSearchCompleteCallback(this, this.searchComplete, [ws]);
    ws.execute("google");
}

// search complete handler
Foo.prototype.searchComplete = function(s) {
    if (s.results && s.results.length > 0) {
        for(var i=0; i< s.results.length; i++){
            alert(s.results[i].title);
        }
    }
}

google.setOnLoadCallback(init, true);
```



Hello World of The AJAX Feed API

The Feed Control Object

```
google.load("feeds", "1");

function OnLoad() {
  d = `http://www.digg.com/rss/index.rss`;
  t = `http://feeds.feedburner.com/TechCrunch`;

  fc = new google.feeds.FeedControl();
  fc.addFeed(d, "Digg");
  fc.addFeed(t, "TechCrunch");
  fc.draw(container);
}
google.setOnLoadCallback(OnLoad);
...

<body>
  <div id="container"></div>
</body>
```

Digg

[I Want a Pear](#)
15 minutes ago
Pear Computing, circa 1976.

[China Earthquake Lake Forms \[img\]](#)
35 minutes ago
Satellite images taken by the Taiwan's National Space Organisation (NSPO) show one such lake forming in Beichuan County, one of ...

[Apple files patent for "solar cells on portable devices"](#)
55 minutes ago
In a patent application dated April 24, 2008 and titled "Solar cells on portable devices" attributed to a number of Apple ...

[Military Chief Warns Troops About Politics](#)
1 hour ago
The chairman of the Joint Chiefs has written an unusual letter to all those in uniform, reminding them to stay out of political ...

TechCrunch

[MediaScape Wants A Word With Our Readers](#)
by Michael Arrington - 2 hours ago
We wrote about Montreal, Canada based MediaScape last month when they announced a \$3.2 million round of financing. In the ...

[Old Media Still Needs to Get Over its Control Issues](#)
by Erick Schonfeld - 5 hours ago
The wonderful thing about the Internet is that nobody controls it. And if you can't control the medium, you can't ...



Raw Feed Processing

Processing a load completion

```
google.load("feeds", "1");

function init() {
  var feed =
    new google.feeds.Feed("http://www.digg.com/rss/index.xml");
  feed.load(
    function(result) {
      if (!result.error) {
        var container = document.getElementById("feed");
        for (var i = 0; i < result.feed.entries.length; i++) {
          var entry = result.feed.entries[i];
          var div = document.createElement("div");
          div.appendChild(document.createTextNode(entry.title));
          container.appendChild(div);
        }
      }
    });
}
google.setOnLoadCallback(init, true);
```



Hello World of The AJAX Language API

Translate with auto-detect source language

```
google.load("language", "1");

function init() {
    var text = document.getElementById("text").innerHTML;
    google.language.translate(text, "", "en",

        // handle translation completion
        function(result) {
            var translated = document.getElementById("translation");
            if (result.translation) {
                translated.innerHTML = result.translation;
            }
        });
}

google.setOnLoadCallback(init, true);
```



JavaScript Runtime Layer (cont)

- Learn More:
 - Derek's Talk Tomorrow Afternoon
 - API Documentation
- Advanced Gadget and UI Development Using Google's AJAX APIs Thursday @3:15, Room 4

<http://code.google.com/apis/ajaxsearch>

<http://code.google.com/apis/ajaxfeeds>

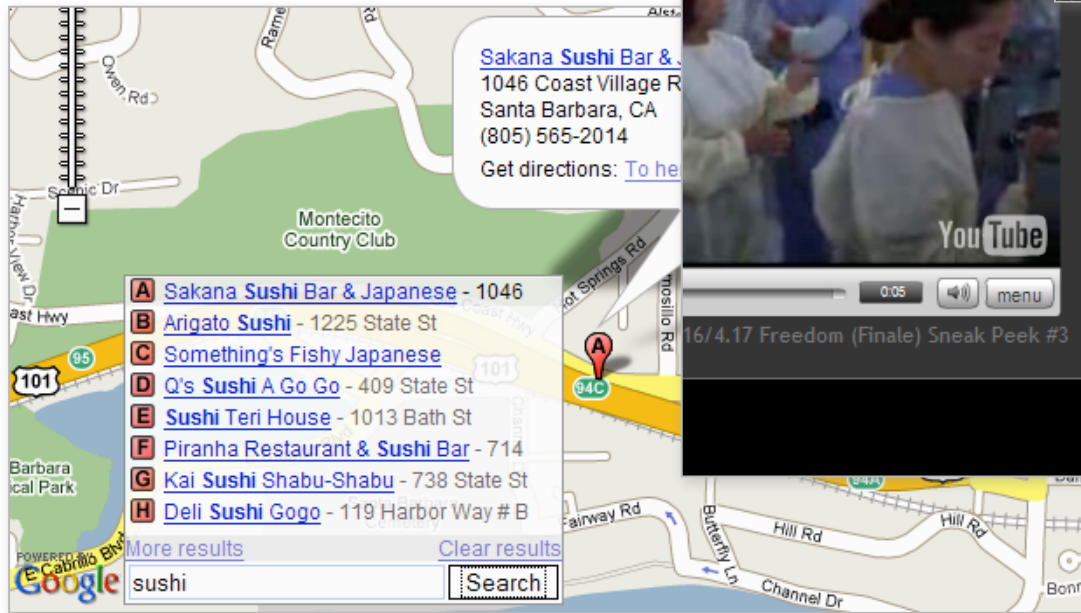
<http://code.google.com/apis/ajaxlanguage>

<http://code.google.com/apis/ajaxlibs>



JavaScript Controls and UI elements

- Useful UI, right out of the box
- Deep integration onto your site
 - CSS Styling
 - Powerful Options
- Perfect for gadgets



Google News Search Controls

- Multiple form factors
 - Bar, column, block
- Easy to integrate
- Site, topical, and geo restricts

<http://www.google.com/uds/solutions/newsbar/>



The NewsBar/NewsBox element

Under the hood

["Barack Obama",
"Hillary Clinton",
"John McCain"]

- Supply a list of search expressions
- News element will auto select
- Topical, Site, and Geo Scoping



Hillary Clinton

- **Clinton's Memorial Day Message Focused on Voting Rights**

ABC News - 2 hours ago

Hillary Clinton's Memorial Day service came at the end of the day today. Clinton stood at an official ceremony outside the capitol building in San Juan, ... read more...

- **Clinton Could Face an Uneasy Return to the Senate**
- **Online, It's Target Clinton**
- **Jimmy Carter urges Clinton to "give it up" when primary**
- **Bill Clinton: 'Cover up' hiding Hillary Clinton's chances**
- **Clinton on Castro, Cuba: No Meetings Without Progress**
- **Clinton's case to bend the rules**
- **Clinton defiant heading into Democrats' home stretch**

powered by Google™



The NewsBox element

TIME
IN PARTNERSHIP WITH **CNN**

LOUIS VUITTON
FASHION FOR HER
www.louisvuitton.com

HOME U.S. WORLD BLOGS BUSINESS & TECH **GLOBAL BUSINESS** ^{New!} HEALTH & SCIENCE ENTERTAINMENT MULTIMEDIA MAGAZINE SPECIALS

Global Business > Israel [SEARCH]

DOW ▲ 12,866.78 +52.43 +0.41% NASDAQ ▲ 2,451.24 +12.75 +0.52% S&P 500 ▲ 1,397.68 +5.11 +0.37% FTSE 100 ▲ 6,270.80 +9.80 +0.16% Nikkei 225 ▼ 13,875.56 -67.70 -0.49%

USD to: JPY ▼ 103.6100 -1.7500 -1.6610% EUR ▼ 0.6485 -0.0009 -0.1447% GBP ▼ 0.5111 -0.0013 -0.2517% AUD ▲ 1.0602 +0.0012 +0.1105% CHF ▼ 1.0495 -0.0072 -0.6767%

TOP STORIES MOST POPULAR

ISRAEL

[-] **Ethics@Work: Who's to blame for food shortages?**
Jerusalem Post - 3 hours ago
In a wealthy country like Israel, the higher food prices are mainly an inconvenience, not a hardship. Even the poorest households in Israel spend less than ... [MORE](#)

[+] Halo Financial - Daily Currency Insight

[+] Electric vehicles

[+] Patrick plans India or Israel trade mission

[+] Hong Kong looks to broaden IPO sources

[+] i-flex Solutions recovers on new order win

[+] Bright Source's Power Tower

[+] Mylan's Loss Widens After Acquisition; Shares Fall (Update3)

powered by **Google**

COUNTRY NAVIGATOR

Israel
Qatar
Saudi Arabia
United Arab Emirates

ISRAEL
Capital: Jerusalem
GCI Rank: 17 [What's This?](#)

FEATURED STORIES

ISRAEL

Mud Moguls
How a tiny Israeli company mined the Dead Sea and turned its natural riches into an international skin-care

TOOLS
WEATHER | MARKETS | CURRENCY

5 Day forecast | Current conditions F° | C° @ 2008 Accuweather.com

INTL [v] Enter City, Country: Jerusalem, Israel [GO]

Thu. May8 69 50	Fri. May9 65 46	Sat. May10 67 47	Sun. May11 68 52	Mon. May12 86 68
--------------------	--------------------	---------------------	---------------------	---------------------

LOUIS VUITTON
GIFT SELECTION FOR HER



The Code

```
google.load("search", "1");  
function init() {  
  var n = new google.elements.NewsBox("nb");  
  n.loadNewsBox("Israel any_business");  
}  
google.setOnLoadCallback(init, true);  
...  
<div id="nb">Loading..</div>
```



A screenshot of a Google NewsBox for Israel. The box is titled "ISRAEL" and contains a list of news items. The first item is "Ethics@Work: Who's to blame for food shortages?" from Jerusalem Post, dated 3 hours ago. Below it are several other news items with expandable icons: "Halo Financial - Daily Currency Insight", "Electric vehicles", "Patrick plans India or Israel trade mission", and "Hong Kong looks to broaden IPO sources". To the right of the news items is a map of the Middle East region, with Israel highlighted in red. A tooltip over the map lists "Israel", "Qatar", "Saudi Arabia", and "United Arab Emirates". At the bottom of the map area, there is a small Israeli flag, the word "ISRAEL", "Capital: Jerusalem", "GCI Rank: 17", and a link "What's This?". The word "TIME" is also visible in the bottom right corner of the map area.



The NewsBar element

The screenshot shows a web page for Ted Kennedy on the Superdelegates.org website. The page has a navigation sidebar on the left with links like 'Main Page', 'Delegates who endorsed Hillary Clinton', and 'Delegates who endorsed Barack Obama'. The main content area features a video player showing Sen. Ted Kennedy endorsing Barack Obama at a podium with a 'CHANGE WE CAN BELIEVE IN' sign. Below the video is a 'Latest news about Ted Kennedy from Google News' widget, which is highlighted with a red box. The widget displays a search result for 'Ted Kennedy' from 'ABC News - Kennedy on Obama-Clinton Ticket: Dream On'. The page also includes a search bar, a digg counter showing 25 diggs, and a toolbox with links for 'What links here', 'Related changes', 'Special pages', 'Printable version', and 'Permanent link'.

superdelegates*

article discussion edit history

Ted Kennedy

On January 28, 2008, Sen. Ted Kennedy endorsed [Barack Obama](#).

ROAD TO THE WHITE HOUSE
WASHINGTON, DC
American University
CAMPAIGN 2008 G-SPAN
YouTube

Categories: [Delegates who endorsed Barack Obama](#) | [Senators](#) | [Massachusetts](#)

Latest news about Ted Kennedy from Google News

Ted Kennedy | ABC News - Kennedy on Obama-Clinton Ticket: Dream On | powered by Google™

Get more background on this superdelegate: Superdelegate Transparency Project's profile of [Ted Kennedy](#).

The Code

```
google.load("search", "1");  
function init() {  
  options = { horizontal : true,  
              autoExecuteList : ["Walter Mondale"]}  
  new GSnewsBar("nb", options);  
}  
google.setOnLoadCallback(init, true);  
...  
<div id="nb">Loading..</div>
```

News Bar Wizard - Put Google News

Embed a news bar on your web page and let your users see headlines and search results that you've selected. Customize how the news bar should be displayed and the code for you.

1 Customize it


Style: News Strip (vertical orientation) News Reel (horizontal orientation)

Search Expression:
Note: You can either specify a single expression or a list of expressions.

Title:

Ted Kennedy | ABC News - [Kennedy on Obama-Clinton Ticket](#)

2 Add code to your site



navigation

- Main Page
- Delegates who endorsed Hillary Clinton
- Delegates who endorsed Barack Obama
- Categories
- Latest Updates
- View in Google Earth
- FAQ
- Contributors
- Superdelegates.org in the news

Log in / create account

article discussion edit history

Walter Mondale

Walter Mondale was the 42nd Vice President of the United States, and the Democratic nominee for President in 1984. He has [endorsed Hillary Clinton](#), but has more recently promoted an Obama - Clinton ticket.

Walter Mondale
50 S. Sixth Street
Minneapolis, MN 55402-1540
mondale.walter@dorsey.com

Categories: [Delegates who are uncommitted](#) | [Minnesota](#) | [Former Vice Presidents](#)

Latest news about Walter Mondale from Google News

Walter Mondale | The Associated Press - [Mondale: No Need for Olympic Boycott](#) powered by Google™



Feed Based Controls

- Very deep custom integrations
- Text and Media Based Feeds
 - SlideShow Control
 - Dynamic Feed Control
 - PartnerBar Control

<http://www.google.com/uds/solutions/slideshow>

<http://www.google.com/uds/solutions/dynamicfeed>

<http://www.google.com/uds/solutions/partnerbar>



AJAX Feed API – The New York Times Blogs

The screenshot shows the New York Times website's Technology section. The main article is titled "AT&T's Wi-Fi Tease for iPhone Users" by Saul Hansell, dated May 9, 2008. A blue-bordered box highlights a "Latest Technology Headlines" section with the following items:

- Latest Technology Headlines**
- F.B.I. Says the Military Had Bogus Computer Gear**
- Facebook Agrees to Devise Tools to Protect Young Users**
- S.E.C. Fines Marvell \$10 Million**
- [More Technology News on NYTimes »](#)
- [Personal Technology Coverage on NYTimes »](#)

Below the highlighted box, other headlines are visible, including "Amazon Sues New York State to Void Sales Tax Rules" with 48 comments.

“It works great! Thanks so much.”
Jaymin Patel, The New York Times



The Code

```
google.load("feeds", "1");
function init() {
  url_ = "http://www.nytimes.com/...";
  new google.feeds.Feed(url_);
  feed.setNumEntries(3);
  feed.load(function(result) {
    if (!result.error) {
      renderFeed(result);
    }
  });
}
google.setOnLoadCallback
...
<div id="nb">Loading..<
```

Latest Technology Headlines

[F.B.I. Says the Military Had Bogus Computer Gear](#)

[Facebook Agrees to Devise Tools to Protect Young Users](#)

[S.E.C. Fines Marvell \\$10 Million](#)

- [More Technology News on NYTimes »](#)
- [Personal Technology Coverage on NYTimes »](#)

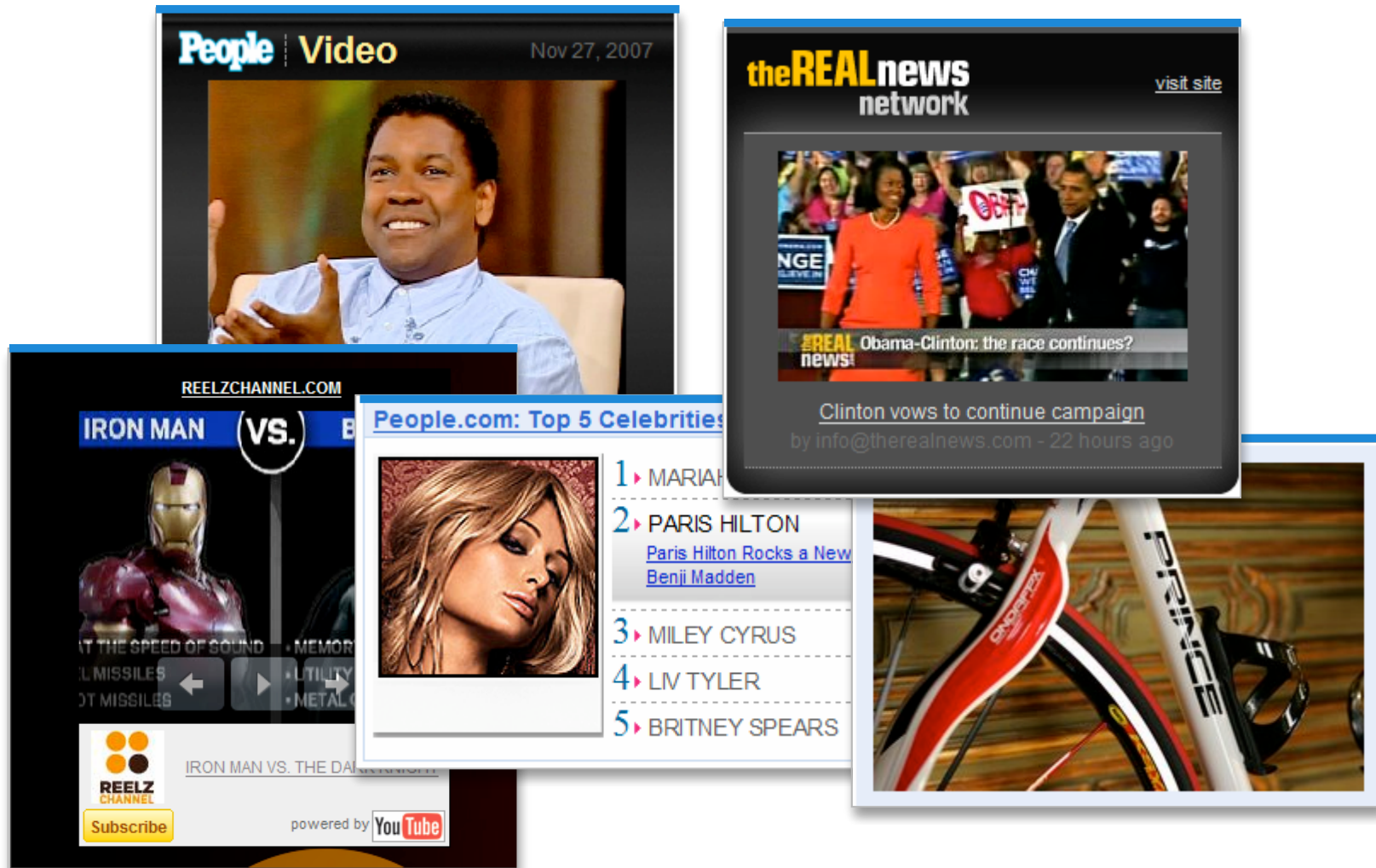


The SlideShow Element

Under the hood

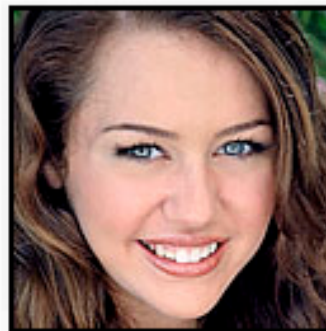


The SlideShow Element



The Code

```
google.load("feeds", "1");  
function init() {  
  var feed = "http://.../top_headlines.xml";  
  opt = { numResults : 5 }  
  new google.elements.SlideShow(feed, "nb", opt);  
}  
google.setOnLoadCallback(init, true);  
...  
<div id="nb">Loading..
```



1 ▶ MARIAH CAREY

2 ▶ PARIS HILTON

3 ▶ MILEY CYRUS

[Marie Osmond: Billy Ray to Blame for Miley Photos](#)

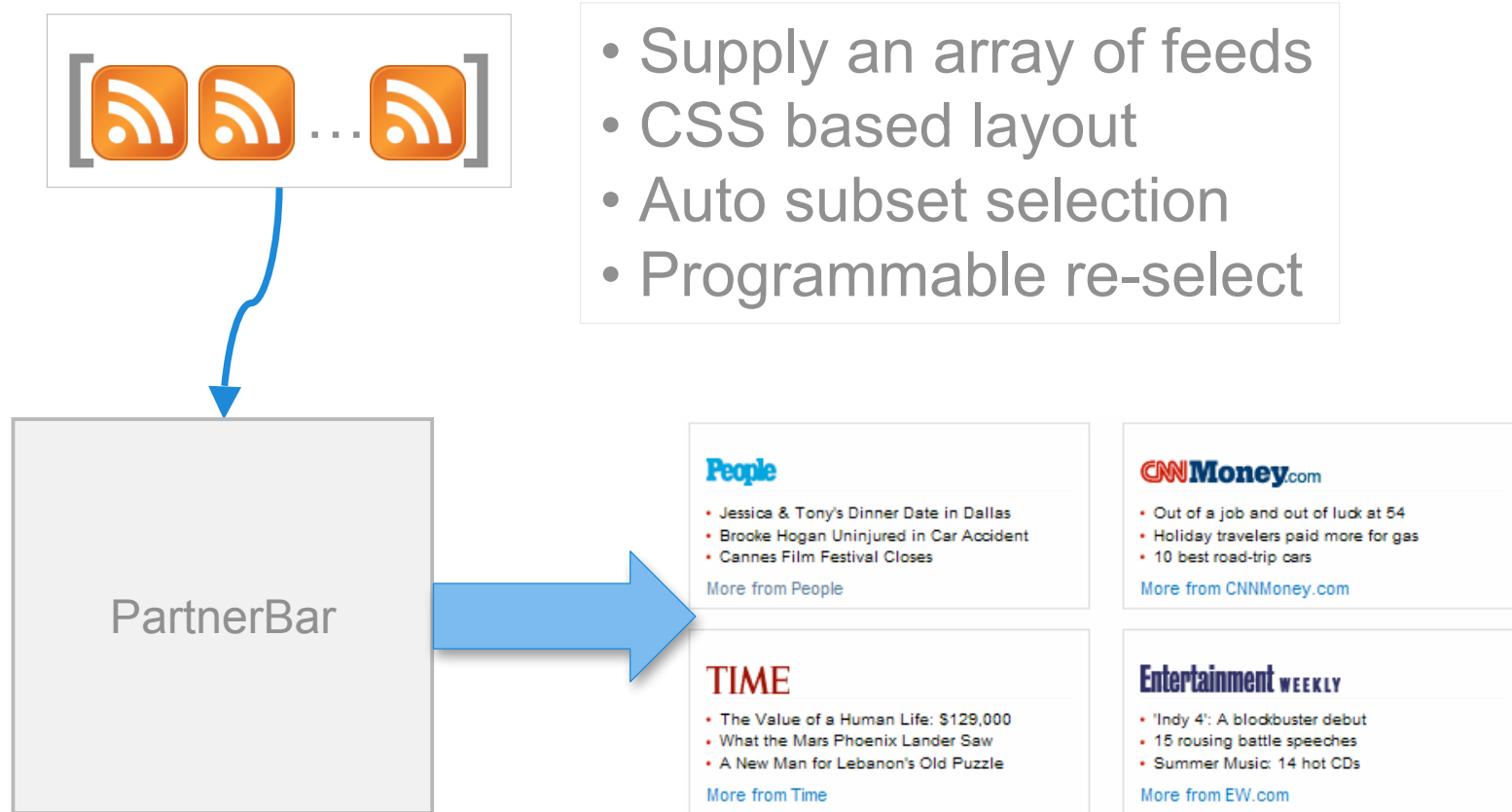
4 ▶ LIV TYLER

5 ▶ BRITNEY SPEARS

“I love this product. It works great.”
Clarence Kwei, People.com

The PartnerBar Element

Under the hood



The PartnerBar element

Selected Screen Shots

From our Partners

People Jessica & Tony's Dinner Date in Dallas Brooke Hogan Uninjured in Car Accident More from People.com	CNN.com Director Sydney Pollack dies of cancer Why 'Indiana Jones' went digital More from CNN	AOL television Ultimate 'Idol' Survey Results Cristian de la Fuente 'Dancing' Interview More from AOL Television	THE HUFFINGTON POST "Indiana Jones" Rakes In \$311 Million Worldwide, Loses To Paul McCartney Given Yale Doctorate With Tony Blair Nearby More from Huffington Post	YAHOO! ANSWERS So I heard that there will be 2 avatar movies. Which one will be Do you agree the films of Kurosawa have had a huge impact More from Yahoo Answers
---	---	--	---	---



Home | Help | Site Map | About Us | Advertising | Magazine Customer Service | Subscribe | Promotions | Newsletters | RSS | Privacy Policy | Terms of Use

Copyright © 2008 Entertainment Weekly and Time Inc. A

From our Google Blogs

Entertainment WEEKLY <ul style="list-style-type: none">• "Survivor" recap: Whoops! Ouch!• 'Idol' Exit Q&A: Jason Castro• Oliver Stone talks "W" More from EW.com	People <ul style="list-style-type: none">• Liv Tyler & Husband• Jessica Alba Compet• Paris Hilton Rocks a T More from People	Custom Search Engine Blog News and tips from the team <ul style="list-style-type: none">• Custom Search expands to AdSense for• Searching for Creative Commons• Labels in Custom Search	Open Source at Google News on projects and programs <ul style="list-style-type: none">• This Week's Top 10's: Universities for• One Love, Project, Cause• Wellington Geeks Keep on Rocking
CNNMoney.com <ul style="list-style-type: none">• Why \$120 oil is good• Stocks rise on Wal-Mart and jobs data• 'False hope' on consumer spending More from CNNMoney.com	TIME <ul style="list-style-type: none">• A Cell Phone Civil W• Aid not reaching stric• The Worst Moms Eve More from Time	The Official Gmail Blog News, tips, and tricks from the team <ul style="list-style-type: none">• How to find any email with Gmail search• Tip: Edit contacts right from your chat list• Calendar Sync updated	Google Gadgets API Blog News, tips, and tricks <ul style="list-style-type: none">• iGoogle sandbox launch, includes• Write a collaborative gadget with one• Join us at Google I/O



The Code

```
google.load("feeds", "1");  
function init() {  
  options = {  
    headerTitle : "From our Google Blogs",  
    numEntries : 3,  
    randomSelectionCount : 9,  
    autoRefresh : true,  
    cycleTime : 10000  
  }  
  new PartnerBar("getBlogsByT  
}  
google.setOnLoadCa
```

From our Google Blogs

Custom Search Engine Blog

News and tips from the team

- [Custom Search expands to AdSense for](#)
- [Searching for Creative Commons](#)
- [Labels in Custom Search](#)

Open Source at Google

News on projects and programs

- [This Week's Top 10's: Universities for](#)
- [One Love, Project, Cause](#)
- [Wellington Geeks Keep on Rocking](#)

The Official Gmail Blog

News, tips, and tricks from the team

- [How to find any email with Gmail search](#)
- [Tip: Edit contacts right from your chat list](#)
- [Calendar Sync updated](#)

Google Gadgets API Blog

News, tips, and tricks

- [iGoogle sandbox launch, includes](#)
- [Write a collaborative gadget with one](#)
- [Join us at Google I/O](#)



YouTube Video Controls

- Styling via Options and CSS
- Search based Video Selection
- YouTube Channel based Selection
- YouTube Custom feed based Selection
- One of our stickiest and most popular controls

<http://www.google.com/uds/solutions/videobar>

http://www.gmodules.com/ig/ifr?url=youtube.xml&up_channel=cbs

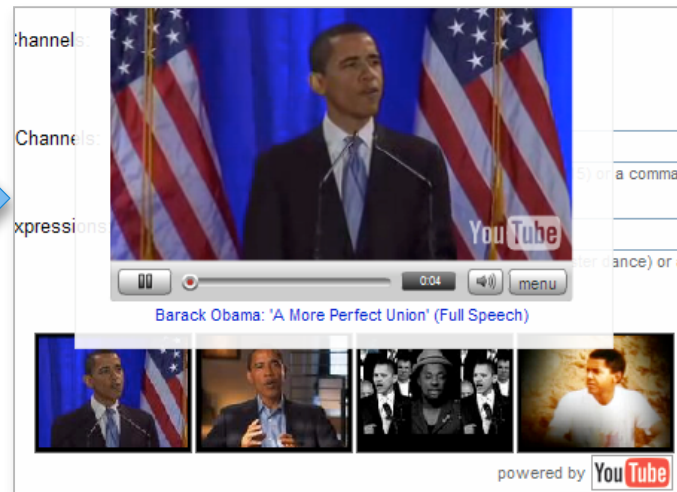
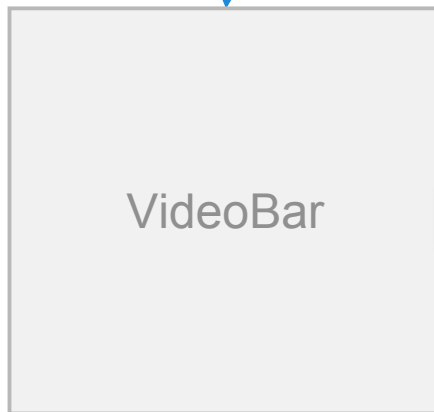


The VideoBar Element

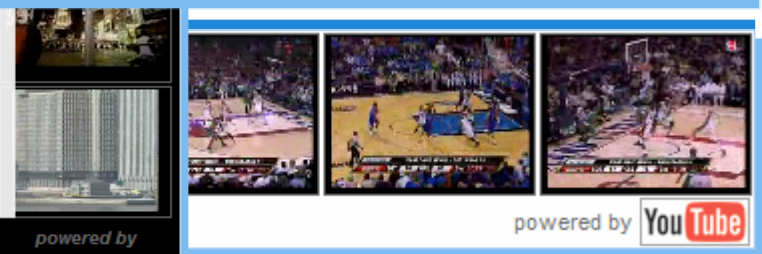
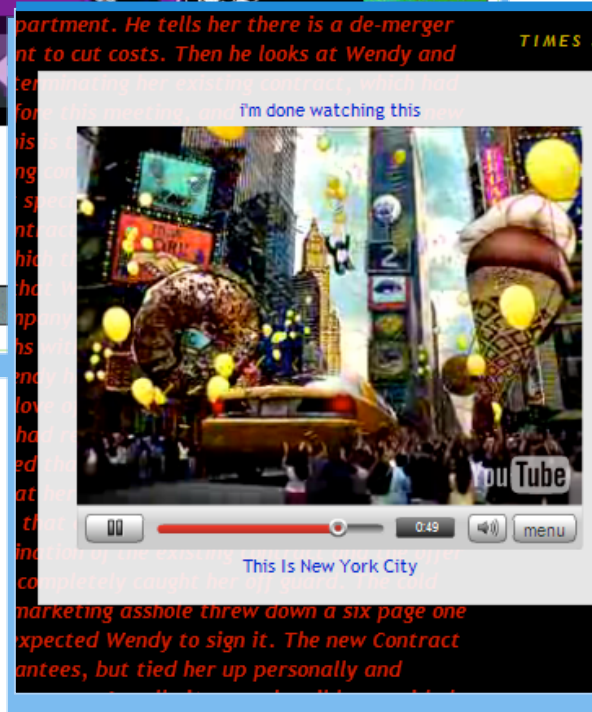
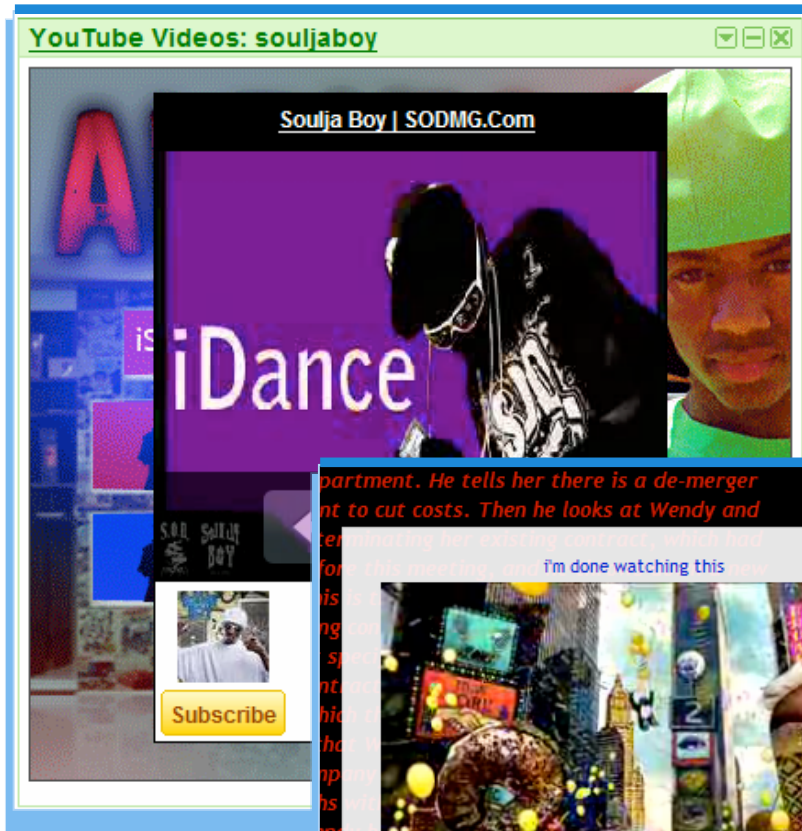
Under the hood

["Barack Obama",
"Hillary Clinton",
"John McCain"]

- Supply a list of search expressions
- VideoBar will auto select
- Automatic player placement
- Shared players across multiple bars
- Manual queries accepted

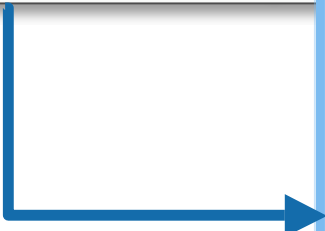


YouTube Video Controls



The Code

```
google.load("search", "1");  
function init() {  
  options = { horizontal : true,  
             autoExecuteList : ["Carrie Underwood"]}  
  new GSvideoBar("vb", PLAYER_ROOT_FLOATING, options);  
}  
google.setOnLoadCallback(init, true);  
...  
<div id="vb">Loading...
```



The image shows the YouTube customization interface. It is divided into two main sections: '1 Customize it' and '2 Add code to your site'. In the '1 Customize it' section, there are options for Orientation (vertical and horizontal, with horizontal selected), Popular Channels (Most Viewed Videos, Top Rated Videos, Recently Featured Videos), YouTube Channels (with a text input field), and Search Expressions (with 'Carrie Underwood' entered). Below these options is a video player showing a close-up of Carrie Underwood and another person. The video player has a progress bar, a play button, and a volume icon. Below the video player are four small thumbnail images of other videos. At the bottom of the interface, there is a '2 Add code to your site' section with a 'Show Code' button. The YouTube logo is visible in the bottom right corner of the interface.



GEO Search Controls

- Very deep custom integrations
- Direct integration with Google Maps API
- Support for KML

<http://www.google.com/uds/solutions/localsearch>

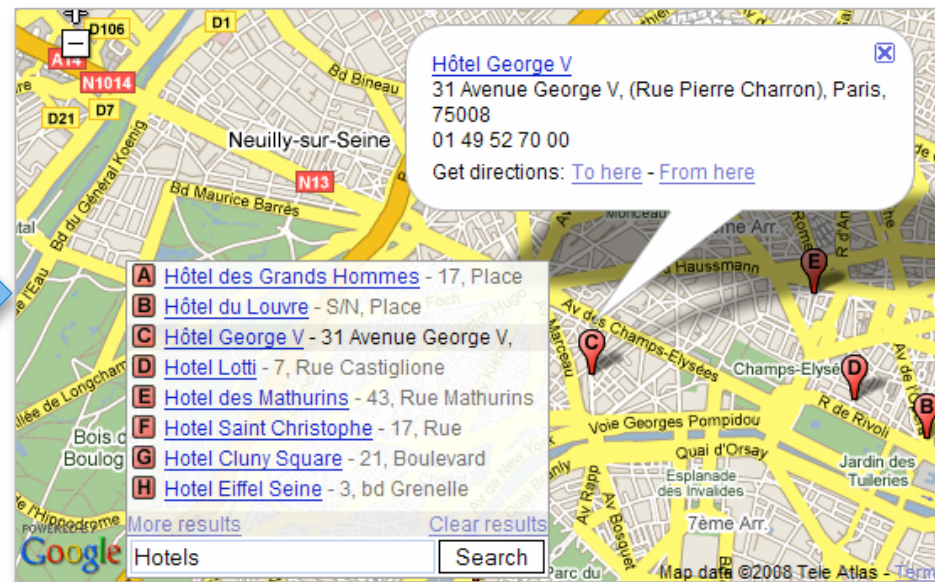
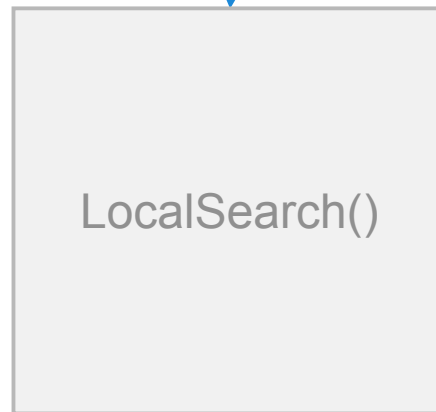


The LocalSearch Control for Google Maps

Under the hood



- Supply a Google Map
- Supply a set of options
- End Results is a searchable map



AJAX Search API – Local Search

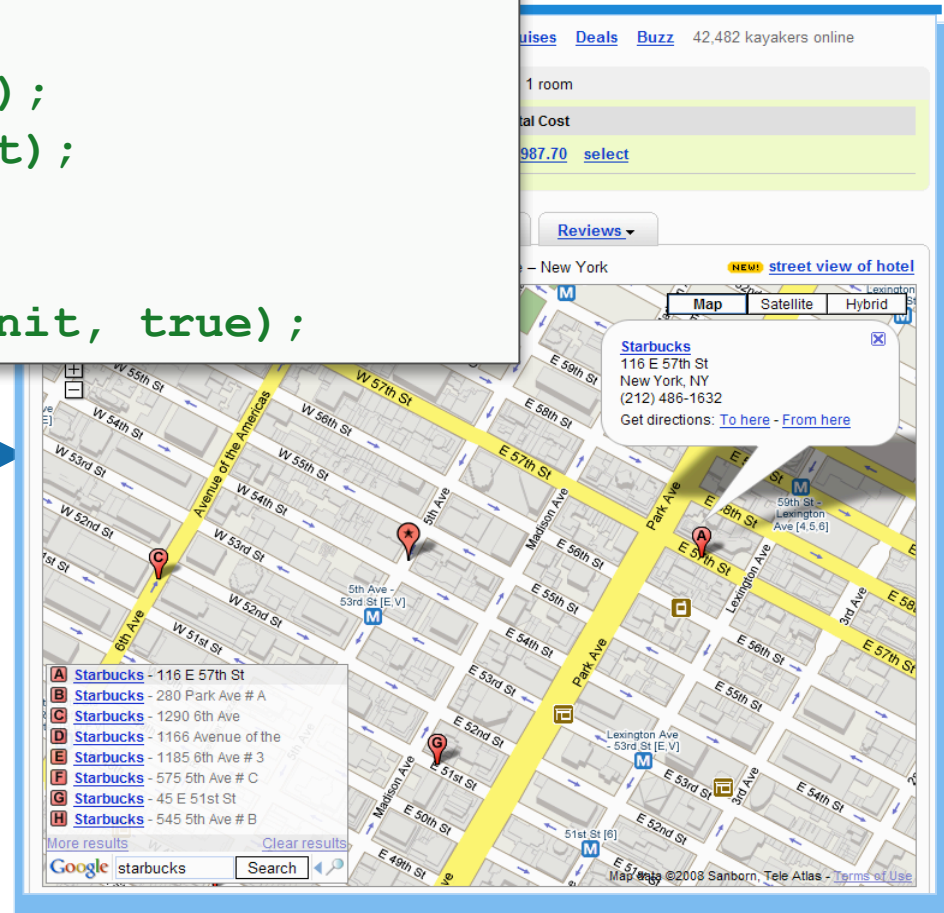
Walk Score
Why Walking Matters | Walkable Neighborhoods
Address: 1231 Lisa Lane, Los Altos CA
Walk Score: 38 out of 100
Expand all
Grocery Stores
Albertsons-Sav-On F 0.95 Mi
Restaurants
Tom's Depot 0.4 Mi
Coffee Shops
Starbucks Coffee: L 0.99 Mi
Starbucks 1.35 Mi
Starbucks Coffee 1.4 Mi
Peet's Coffee & Tea 1.4 Mi
Starbucks Coffee 1.41 Mi
Starbucks Coffee 1.64 Mi
Starbucks 1.87 Mi
Sufi Coffee Shop 2.22 Mi
Bars
Office Bar 1.84 Mi
Movie Theaters
Century Cinemas 16 4.22 Mi
Schools
Montecito School 0.18 Mi

KAYAK Flights Hotels Cars Cruises Deals Buzz 42,482 kayakers online
New York, NY Thu 29 May 2008 – Tue 3 Jun 2008 2 guests in 1 room
Booking Site Per Night Room Cost Taxes & Fees Total Cost
airfare.com Airfare.com \$950.04 \$4750.20 \$237.50 \$4987.70 select
Overview Details Map Photos Reviews
The St. Regis New York Two East 55th Street at 5th Avenue – New York
Starbucks 116 E 57th St New York, NY (212) 486-1633 Get directions:
A Starbucks - 116 E 57th St
B Starbucks - 280 Park Ave # A
C Starbucks - 1290 6th Ave
D Starbucks - 1166 Avenue of the Americas
E Starbucks - 1185 6th Ave # 3
F Starbucks - 575 5th Ave # C
G Starbucks - 45 E 51st St
H Starbucks - 545 5th Ave # B

Google Map Search
Sakana Sushi Bar & Japanese
1046 Coast Village Rd # K
Santa Barbara, CA
(805) 565-2014
Get directions: [To here](#) - [From here](#)
Santa Barbara
Map data ©2008 NAVTEQ™ - Terms of Use
sakana Search
A Sakana Sushi Bar & Japanese - 1046 Coast Village
More results Clear results

The Code

```
google.load("maps", "2");  
function init() {  
    map = new GMap2("mapdiv");  
    map.setCenter(centerPoint);  
    map.enableGoogleBar();  
}  
google.setOnLoadCallback(init, true);
```



The AJAX Language API

- NxN Translations
- Short snippets of text/html (500 character limit)
- Automatic source language detection

<http://code.google.com/apis/ajaxlanguage>



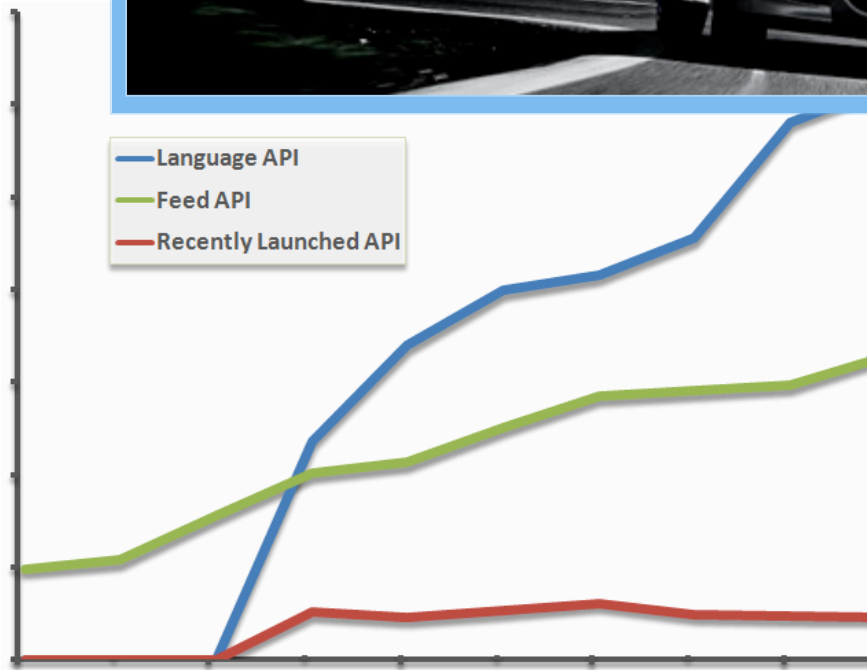
The AJAX Language API

Bienvenue sur le site officiel de BMW France.
Merci de sélectionner la version du site.

English Translation

Welcome to the official website of BMW France. Please select the version of the site.

Language detected: fr



facebook Profile edit Friends ▾ Inbox (1) ▾ home ad

Search

Applications edit

- Photos
- Groups
- Events
- Marketplace
- Where I've Been
- Google
- more

Welcome Home

Ready to shorten your commute? Our remodeled home in Santa Clara has five bedrooms, four full baths, and can be yours for \$899,000.

Hannah Schultz blehhhh. Updated on Wednesday

Translated Message

Message: Hannah, I dropped my iPhone. I still remember our deal and just thought you should know.

Translate to: German

Click here to preview the translation

Translated Message: Hannah, ich fiel mein iPhone. Ich erinnere mich noch an unseren Deal und nur dachte, Sie wissen sollten.

(Machine translated by Google)

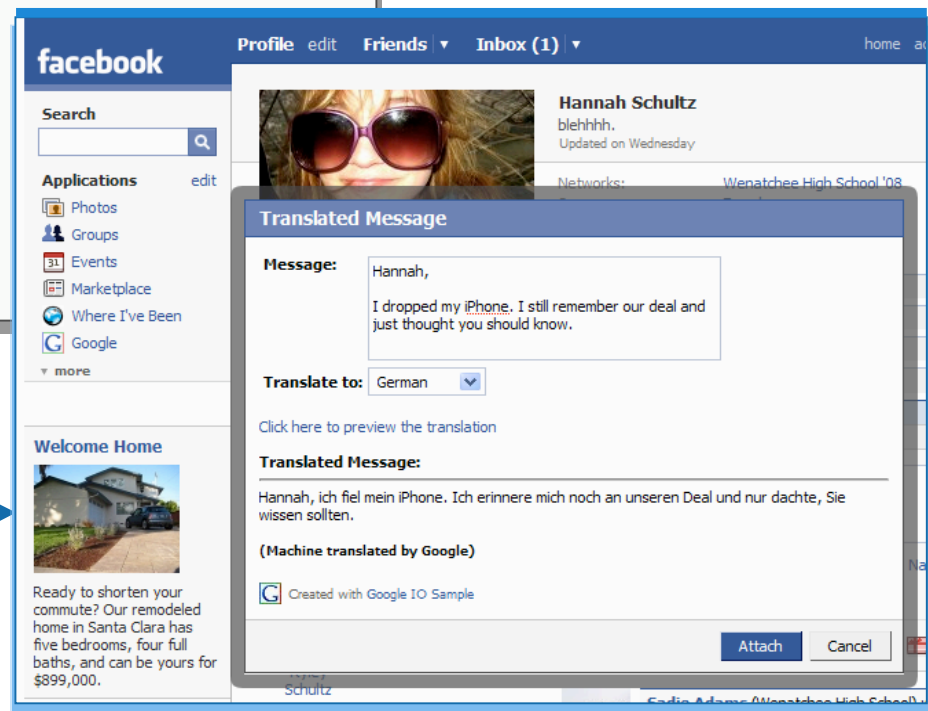
Created with Google IO Sample

Attach Cancel



The Code

```
google.load("language", "1");  
function init() {  
  google.language.translate(text, "", "de"  
  ,  
  function(r) {  
    if (!r.error) {  
      translated.innerHTML =  
        r.translation;  
    }  
  });  
}
```



AJAX Libraries API ^{New!}

- Load the most popular AJAX Libraries direct from our servers
 - High Speed, Low Latency Access
 - Global Availability
 - Proper Cache Controls, Minified Libraries, etc.
 - Commitment to host old versions indefinitely
- Libraries include:
 - jQuery 1.2.3, 1.2.6
 - prototype 1.6.0.2
 - script.aculo.us 1.8.1
 - mootools 1.11
 - dojo 1.1.1
- Load via:
 - `<script src='http://ajax.googleapis.com/ajax/libs/... '></script>`
 - `google.load("jquery", "1.2");`



<http://code.google.com/apis/ajaxlibs/>

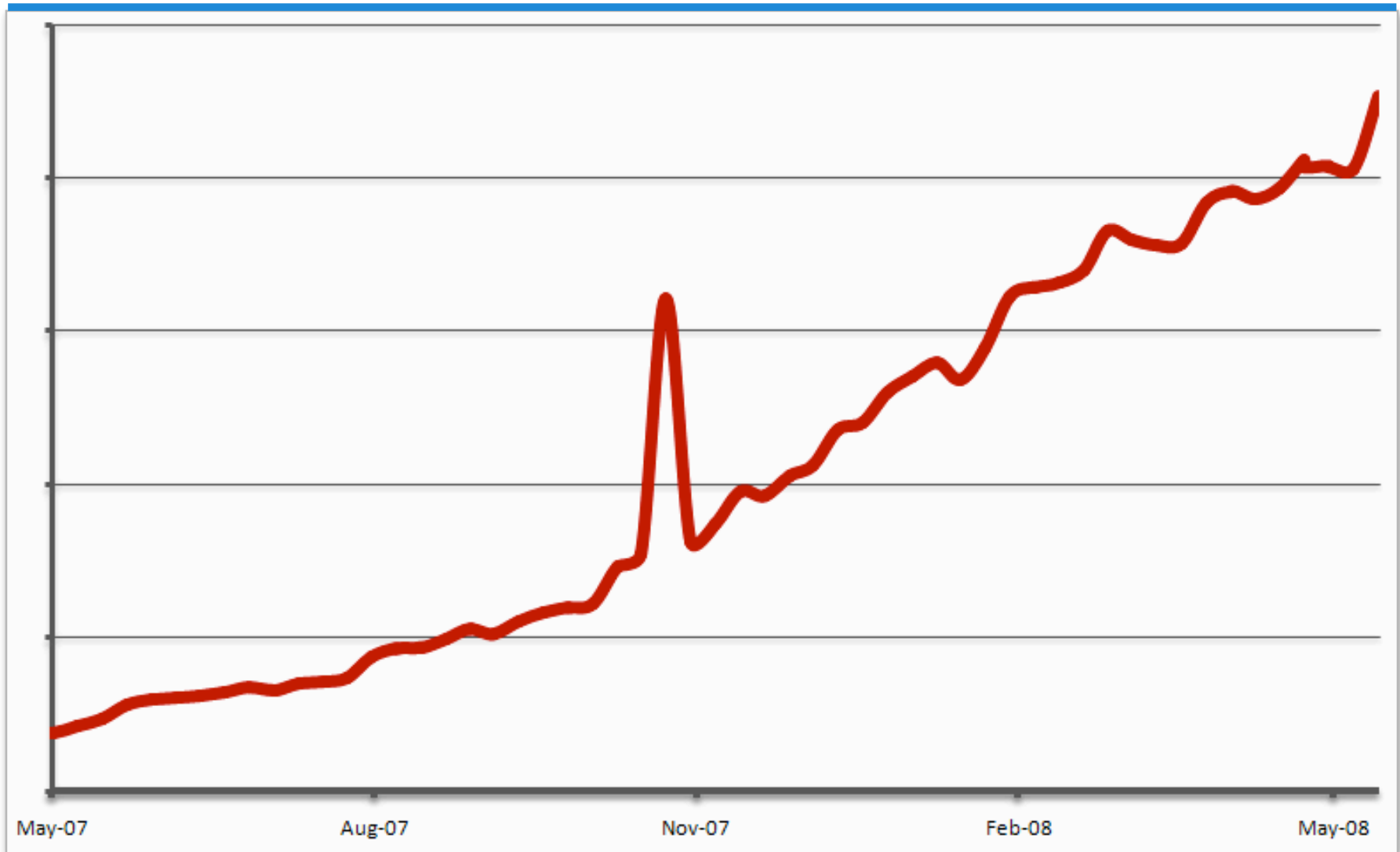


Current Status

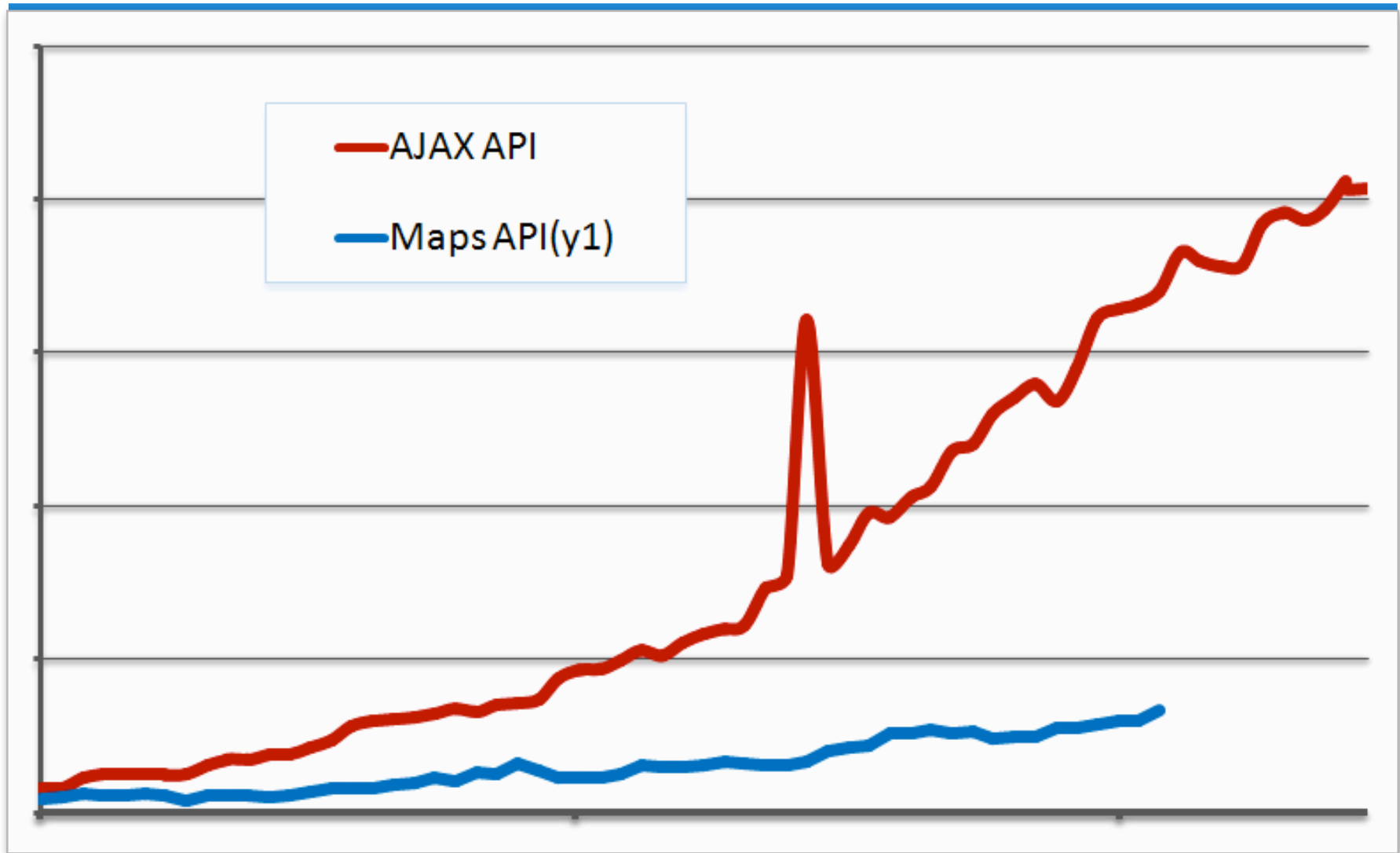
- Traffic and Scaling
 - Service is growing and scaling well
 - Typical Search Request Latency, < 100ms
 - Widespread adoption across Long Tail and Short Tail Sites



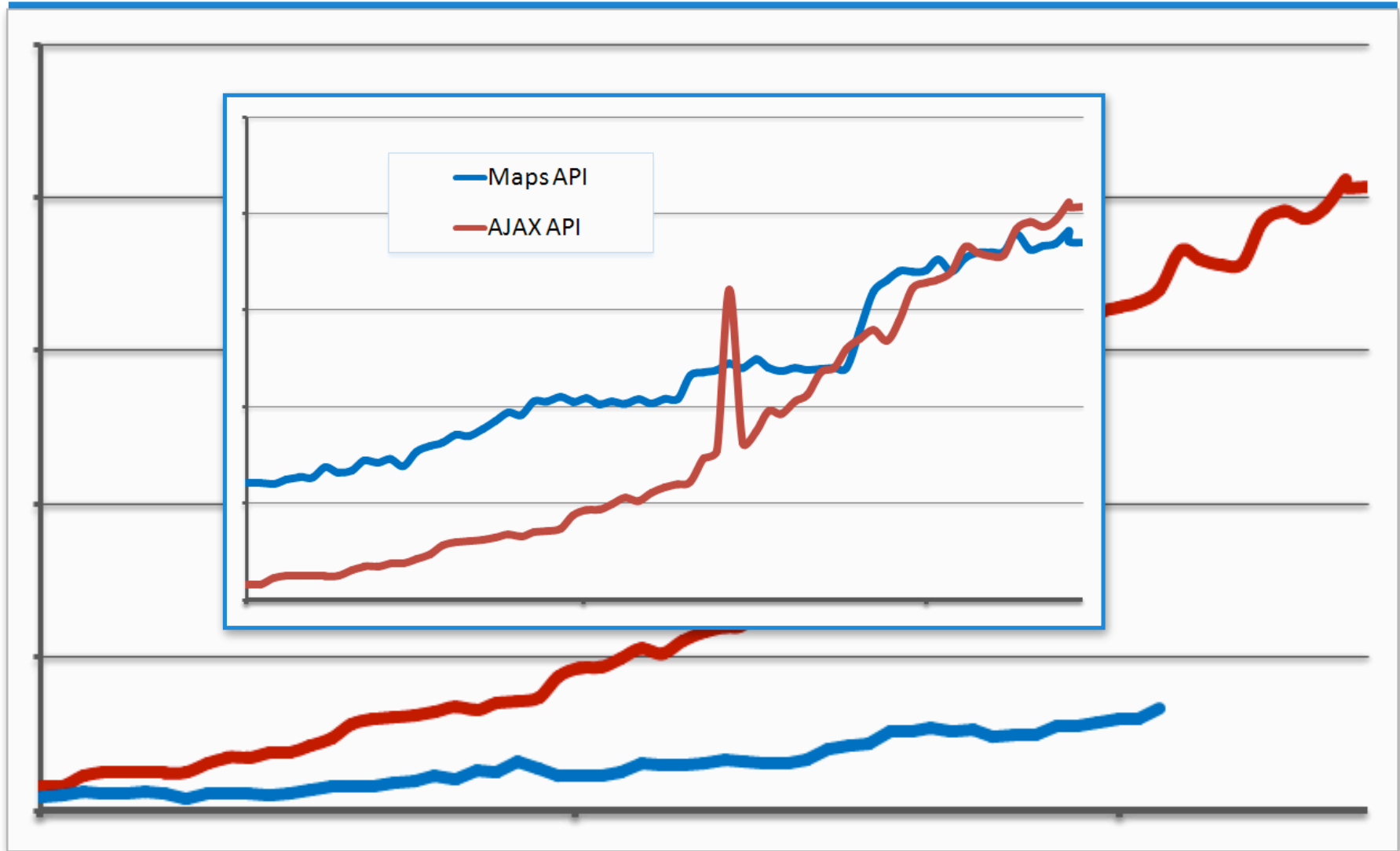
Growing Nicely:



Growing Nicely: Beyond Expectations



Growing Nicely: Beyond Expectations



Current Status (cont)

- Most Popular APIs:
 - YouTube: 33%
 - Google News: 30%
 - Feeds: 18%
 - Web Search: 7%
 - ...
- Most Popular Controls and UI elements
 - Local Search Control for Google Maps API
 - NewsBar Search Control
 - VideoBar Search Control
 - SlideShow Control



Learn More

- General Documentation

<http://code.google.com/apis/ajax>

<http://code.google.com/apis/ajaxsearch>

<http://code.google.com/apis/ajaxfeeds>

<http://code.google.com/apis/ajaxlanguage>

<http://code.google.com/apis/ajaxlibs>

- Upcoming Sessions

- A World Beyond AJAX: Accessing Google's APIs from Flash and Other Non-JavaScript Environments Thursday @11:30, Room 9

- Advanced Gadget and UI Development Using Google's AJAX APIs Thursday @3:15, Room 4



