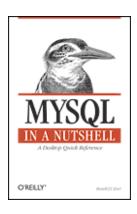
The Future Belongs to Data Tim O'Reilly

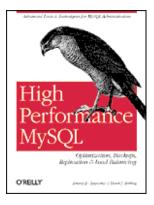
O'Reilly Media, Inc. www.oreilly.com

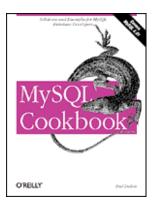
Database Summit May 30, 2008

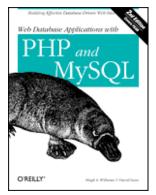


How many of you have O'Reilly books?



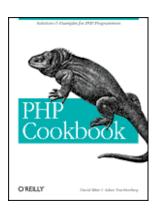




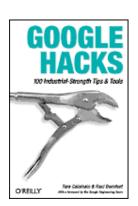


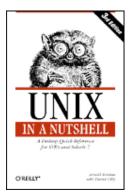












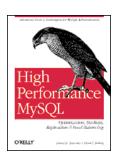
What We Do At O'Reilly

Change the world by spreading the knowledge of innovators

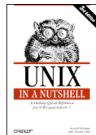
How we do it

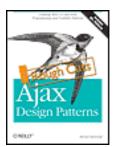
- Find interesting technologies and people innovating from the edge
- Amplify their effectiveness by spreading the information needed for others to follow them.
- Books













How we do it

- Find interesting technologies and people innovating from the edge
- Amplify their effectiveness by spreading the information needed for others to follow them.
- Books, Conferences









How we do it

- Find interesting technologies and people innovating from the edge
- Amplify their effectiveness by spreading the information needed for others to follow them.
- Books, Conferences, Online











O'REILLY"

Make: technology on your time





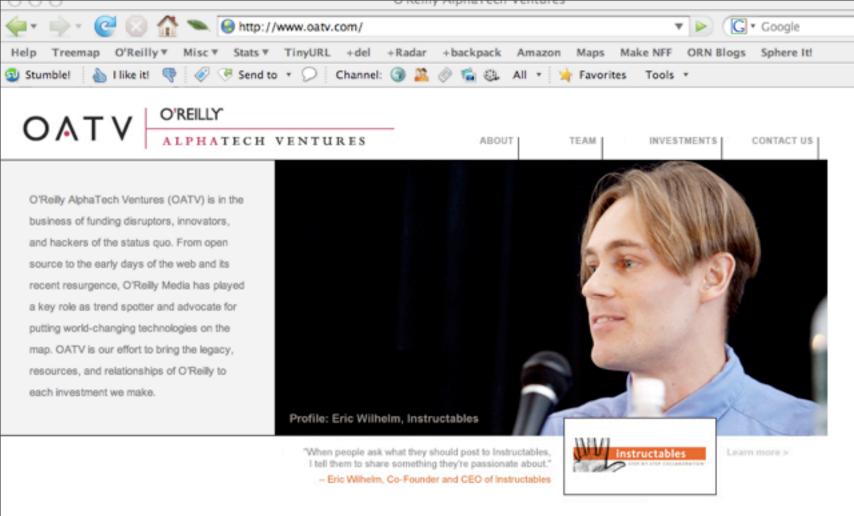


"Martha Stewart for Geeks"

-- Newsweek

Foo Camp





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Watch the Alpha Geeks

- New technologies first exploited by hackers, then entrepreneurs, then platform players
- Three examples
 - Wireless community networks predict universal Wi-Fi
 - Screen scraping predicts
 web services and the internet
 as platform
 - "The pedal powered internet"
 predicts new focus on energy



This is not new





Nor is it limited to technology...





LG RD3330 - Logitech Mouse

Topics include:





G + agrated media measurement Q



NetGear's 802.11n Router - Home Automation

Craft Show Listings

Online Craft Fair

Arts and Crafts Book

Search

Crafts

Login | MAKE Digital Edition | NRSS

Google-

Podcasts

Forum/Community

Make Store

Maker Faire Home | Attend |

Participate >

Program >

Press Room >

Maker Faire Austin: October 20-21, 2007, Travis County Fairgrounds

Build, CRAFT, hack, play, MAKE.

ARTS • CRAFTS • ENGINEERING • GREEN • MUSIC • SCIENCE

Maker Faire is a two-day, family-friendly event that celebrates arts, crafts, engineering, science projects and the Do-It-Yourself (DIY) mindset. It's for creative, resourceful folks who like to tinker and love to make things. We call them Makers.

Tickets for Maker Faire Austin available now!

New! Maker Faire Auditions: Sunday September 16 at The Children's Museum of Houston.

Maker Faire Austin: Call for Makers! Are you a maker or crafter who would like to show off your project at Maker Faire Austin, October 20-21? The call for makers is open! Deadline for entries extended to Thursday, September 6, 2007. Read more.







"The future is here. It's just not evenly distributed yet."

--William Gibson

Pattern Recognition

The "Killer Apps" of the New Millennium















What Makes Them Interesting To Me

- The Internet, not the PC, is their platform
- Built on top of open source, but not themselves open source
- Services, not packaged applications
- Exploring how to become platform players via web services APIs
- Data aggregators, not just software
- Network effects from user contributions key to market dominance
- The most successful are "semantic learning systems", leveraging implicit metadata



Infoware, not software

Web 2.0

web2.0

Desktop Application Stack



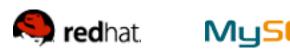
Proprietary Software (Control by API)

System Assembled from Standardized Commodity Components

> Hardware Lock In By a Single-Source Supplier



Free and Open Source Software





Cheap Commodity PCs





FLEXTRONICS'

Intel Inside

Internet Application Stack



Network Solutions^a

Proprietary
Software As a Service

Integration of Commodity Components

Subsystem-Level Lock In

Web 2.0

web2.0

Collective Intelligence

Harnessing network effects to build applications that get better the more people use them

Turning 1.0 into 2.0

	Web 2.0	Phone Co
Massive Data Centers	Yes	Yes
Software as a service	Yes	Yes
Data from customers	Yes	Yes
Data gets better all the time	Yes	Yes
Data mining of customer behavior	Yes	Yes
Real time user-facing services based on that data	Yes	No

How Ridiculous Is This?

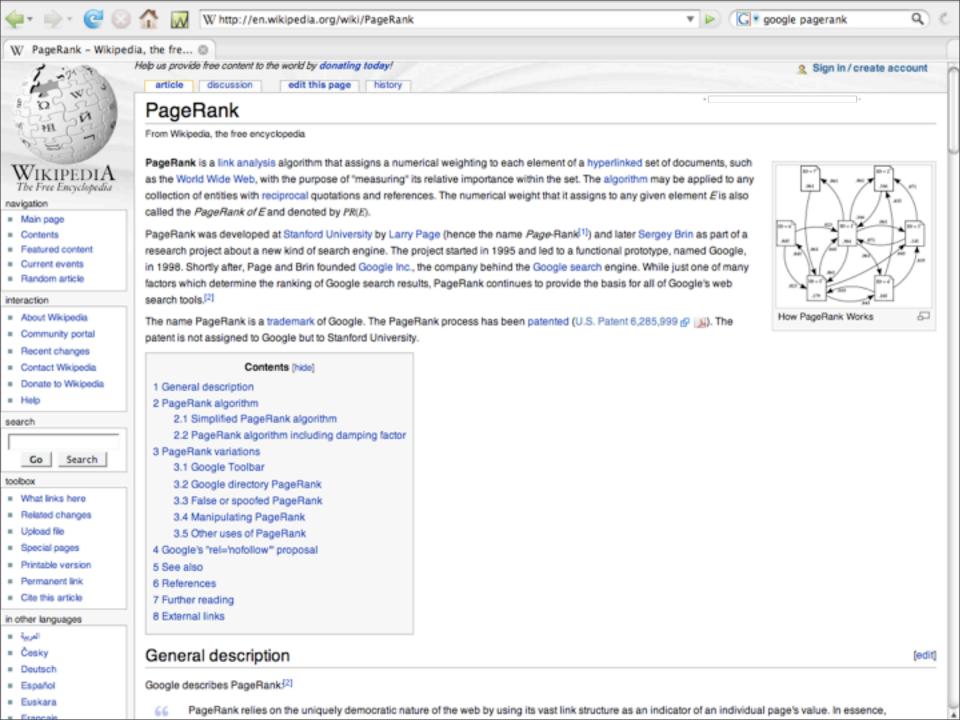
- Dialed calls (last 10)
- Received calls (last 10)
- Missed calls (last 10)



My phone company remembers every call. Why don't they remember it for me?

My phone and my email already know who my friends are.

Web 2.0 is about finding *meaning* in user-generated data, and turning that meaning into real-time user-facing services







Marc Hedlund

Help Sign Out

Search

Wesabe

Your Tags [edit]

cash cat cca

clothes

flowers gas

christmas cleaning

communications

deposit donation dal entertainment fee

groceries gym

hair health household

payment rebates rent

shoes software stock

restaurants

income interest office

amex bike birthday books cable_tv car

Your Accounts Accounts Summary All Accounts

American Express

Cash Account Wells - Personal

Wells - Savings

Spending Summary Earnings Summary

Upload an Account

Recommendations

Goals

Show all | unedited (1) | untagged (17) | add transaction

<< Earlier Showing March 12th to April 15th Tuesday, April 15th ATM Withdrawal -\$200.00 \$13,606.92 Tags: cash 7 tips available, including Using cash for discretionary spending. Friday, March 28th -\$31.97 T Mobile \$10,096,47 Tags: communications Friday, March 28th -\$81.48 \$10,128,44

Groups

Comcast Cable

Accounts

Rating: Captive Tags: cable_tv

1 tip available: Students: Take advantage of Comcast's sharply discounted student rate. 🖂

Thursday, March 27th Weatherford BMW

Tags: auto 7 tips available, including vs. Bavrian Pro ®

Monday, March 24th

Crate & Barrel

Tags: household 10 tips available, including Recent recalls prove: Generic foods/items often the same

as Name Brands, @ Monday, March 24th

The Mon

Monday, March 24th

Bi Rite Market Rating: Fan Tags: birthday

Friday, March 21st

Stem Florist Rating: Fan Tags: birthday

\$10,309.92

\$10,353.27

\$10,399.87

\$10,665.87

-\$964.00

-\$43.35

-\$46.60

-\$266.00

-\$63.21

taxes transfer travel utilities wedding wesabe \$10,209.92

view as list | cloud











Merchants



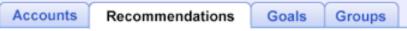




Search



New for You Most Popular All



Bavarian Pro vs. Weatherford BMW

Tags: auto car transportation automobile maintenance repair parts "auto parts" oil







Bavarian Pro

yelp∛: G 'Y'!

per visit

\$593.70 on repairs \$603.98 on auto \$300.43 on car

₩

\$611.65

33% visit often

68% visit a few times 9% never return

96% recommend it

> 4% don't 1004 votes

Weatherford BMW

yelp¾ G Y!

VS.

\$1327.29 per visit

\$1244.29 on auto on repairs \$1318.18 on car repair \$924.01

15% visit often

5% visit a few times 65% never return

17% recommend it

83% don't 810 votes

Compare to Another Merchant





Bavarian Pro (1)

Weatherford BMW (1)



debbie says:



Recommends

The Programmable Web



open your api channel today



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Subscribe

M All New Mashups

Mashup Directory

Total Mashups Listed

Past 7 Days: 21

Past 30 Days: 87

Mashups/Day

3.13 may

7 Days Avg.: 3.00 30 Days Avg.: 2.90

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Celebrity Mashups Video Mashups Popular New

Mashup Dashboard

Thousands of web mashups with new updates daily

Mashup of the Day, May 29, 2008



TweetWheel

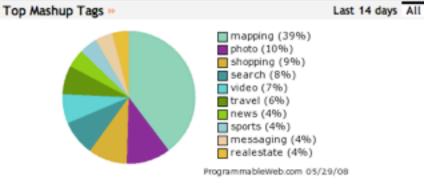
mashery on-demand api platform

Find out which of your Twitter friends know each other.

APIs: Twitter

Tags: fun, messaging, microblogging

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Unlock Your Data for Enterprise Mashups

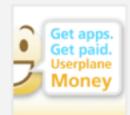
> OPEN SOURCE GET IT TODAY





Mashups in Minutes

No Kidding!











Need Business Mashups?

JUST @#\$% IT!



FAQ

Home News

Dashboard Directory

Mashups

Newest

VPIs Verticals

Most Popular

How-To

Mashup Matrix

Contests Members

Tag Cloud

Random

Subscribe

MIL New Mashups

Mashup Directory

Total Mashups Listed

3077

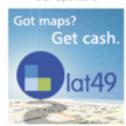
Past 7 Days: 21 Past 30 Days: 87

Mashups/Day

3.13 January 1.13

7 Days Avg.: 3.00 30 Days Avg.: 2.90

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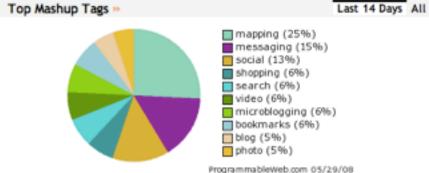
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Click on a slice or label to see those mashups

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Enabling the Mashable Enterprise

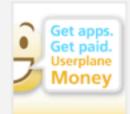
> OPEN SOURCE GET IT TODAY





Mashups in Minutes

No Kidding!









Subsystems

- Location
- Identity
- Products
- Advertising relevance
- Music
- Events

What do we need to do differently?

- To support this future?
- To make sure that the future internet OS continues to work like today's (i.e. mostly open and interoperable)
- To make data mashups less of a hack and more of a truly composable set of data services?

For more information

http://www.oreilly.com

http://tim.oreilly.com

http://radar.oreilly.com

http://www.oreillynet.com/go/web2