

Friend Connect Gadgets: Best Practices in Code and Interaction Design

Jonathan Terleski and Ryan Boyd May 27th, 2009



Friend Connect Gadgets: Best Practices in Code and Interaction Design

Google

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Post your questions for this talk on Google Moderator:

http://tinyurl.com/gfc-questions

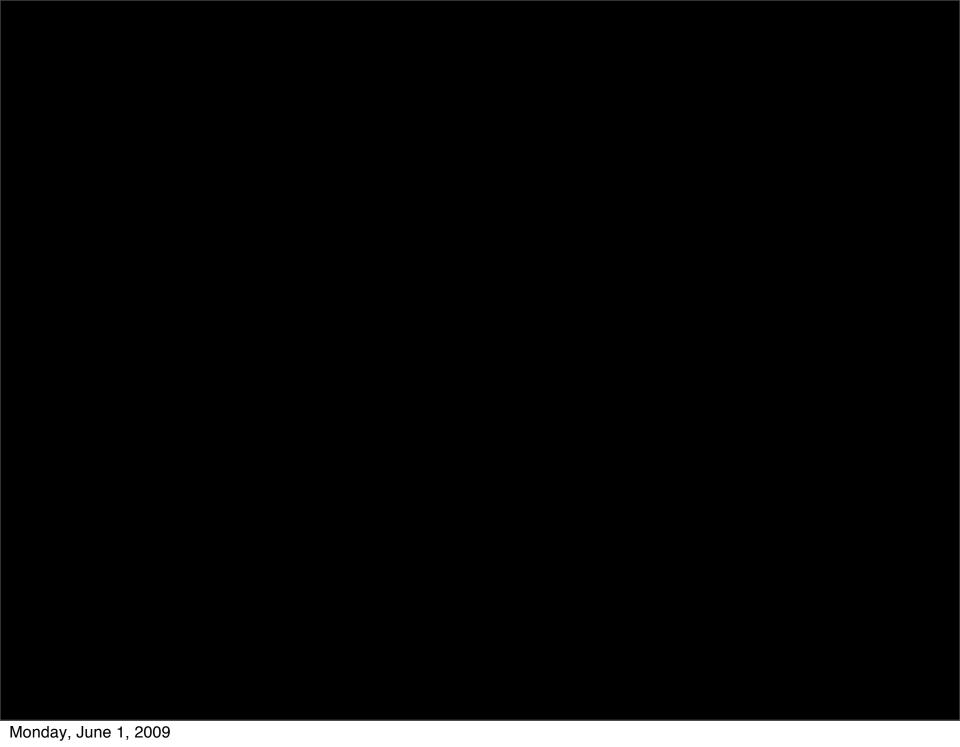






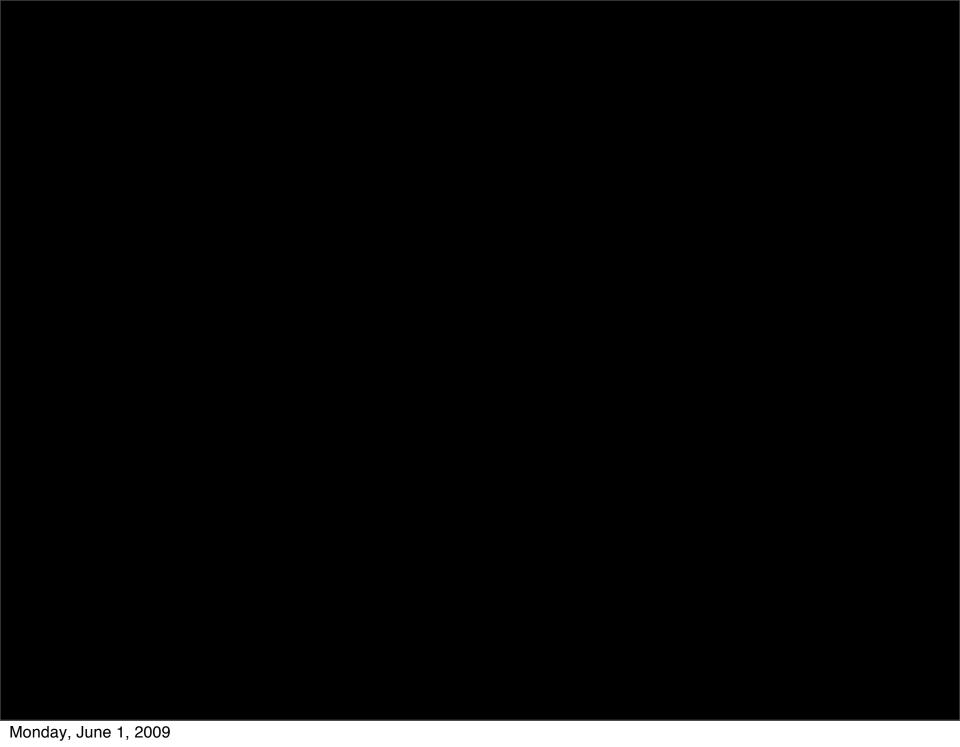
Agenda





5,000,000

30-day active friend connect sites



100,000

new members of these sites EVERY DAY

Agenda

- Intro to Google Friend Connect
- Google Friend Connect Ecosystem
- Gadget Basics
- Design Framework
- Intro to OpenSocial APIs
- Using Page Context
 - In Blogger Gadgets
 - Colors and Fonts
 - Language
- Questions and Answers





TALKING POINT

Each week, different people will pose a question or topic to spark some discussion about Global Warming. To receive an email when a new topic is posted, you can <u>subscribe</u> here.

The Road to Copenhagen

What do you think can be done to keep the world focused on Climate Change in the lead-up to Copenhagen?

Get Email Subscription with Feedburner View all entries

Your Thoughts (7399)

0

Want to contribute?

Join or Sign In



Raideep 5/4



Keep the message out there and make sure that everyone understands the importance of the Copenhagen ... $\underline{\text{More}}$

Sarah 5/3



love your home. love the earth.

yzawuthrich 4/23



Ya I love my home and Earth Muhammed Shabeer 5/3



Nature is the Good feeling

Muhammed Shabeer 5/3







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Nature is the Good feeling

Nuhammed Shabeer 5/3



Intro to Google Friend Connect



Friend Connect Benefits – Site Owners

- Instantly awakens and strengthens the community that visits web sites
 - Makes it easy for every site owner to add Friend Connect to their site regardless of their technical capabilities.
 - Uses open standards to let visitors control their own data and freely share it with sites and services as they see fit. Services include OpenID providers like Yahoo, social network providers like Twitter, and update aggregators like Plaxo Pulse.



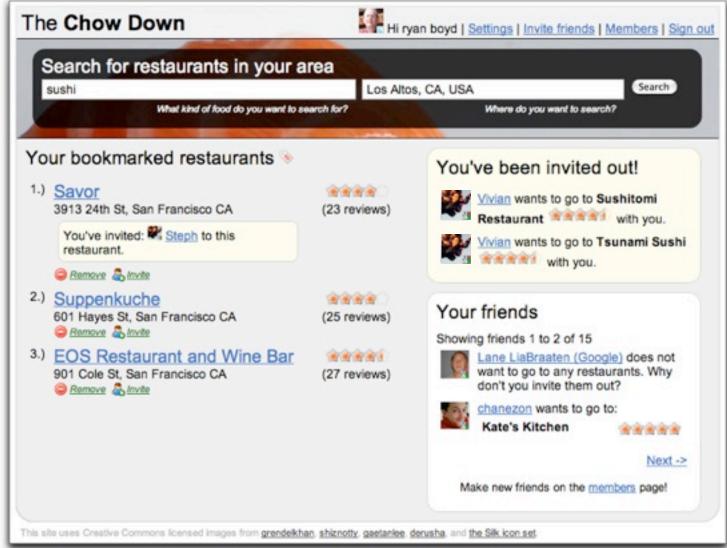


Demonstration - Google Friend Connect in 2 mins





Example - Deep Integration





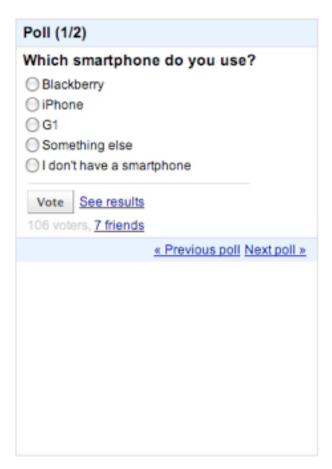
Friend Connect APIs Benefits – Developers

Provide modular to deep social integration

- Integrate social flows and data directly within a page's markup
- Integrate existing login systems, registered users, and existing data with new social data and activities.
- Create social gadgets & services that are embeddable within millions of Friend Connect enabled sites.

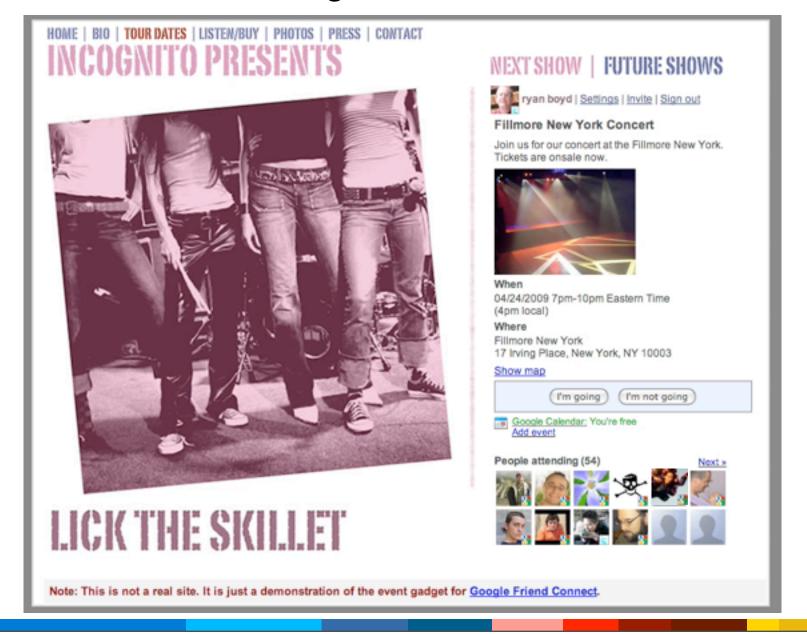


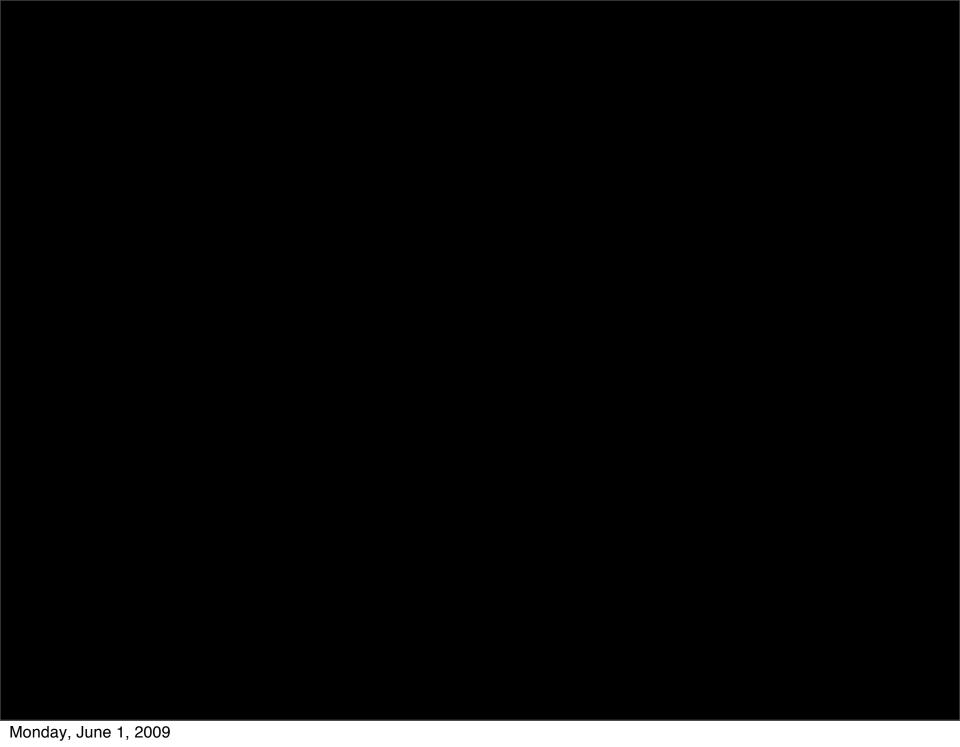
Demonstration - Gadgets

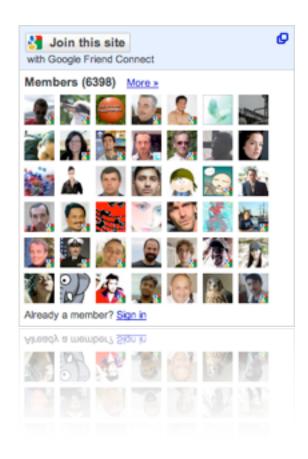




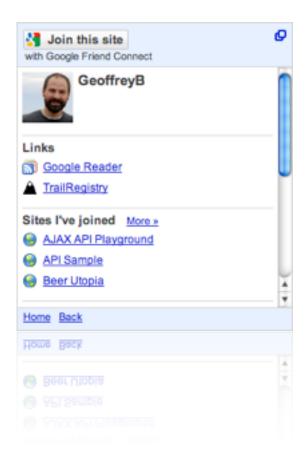
Demonstration - Gadgets



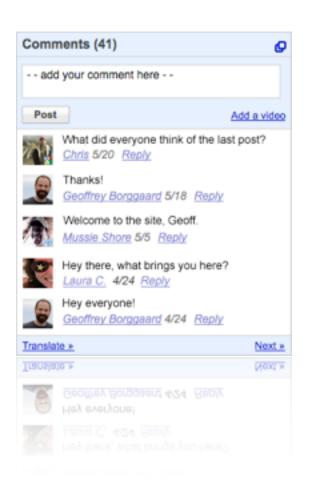


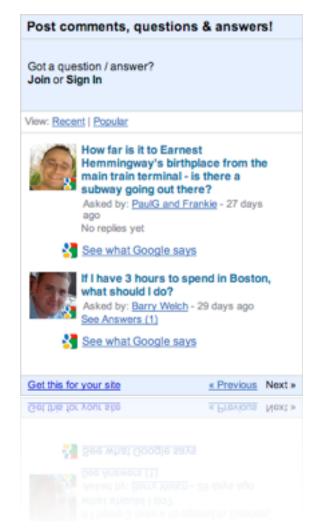


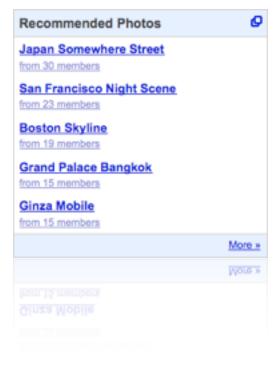




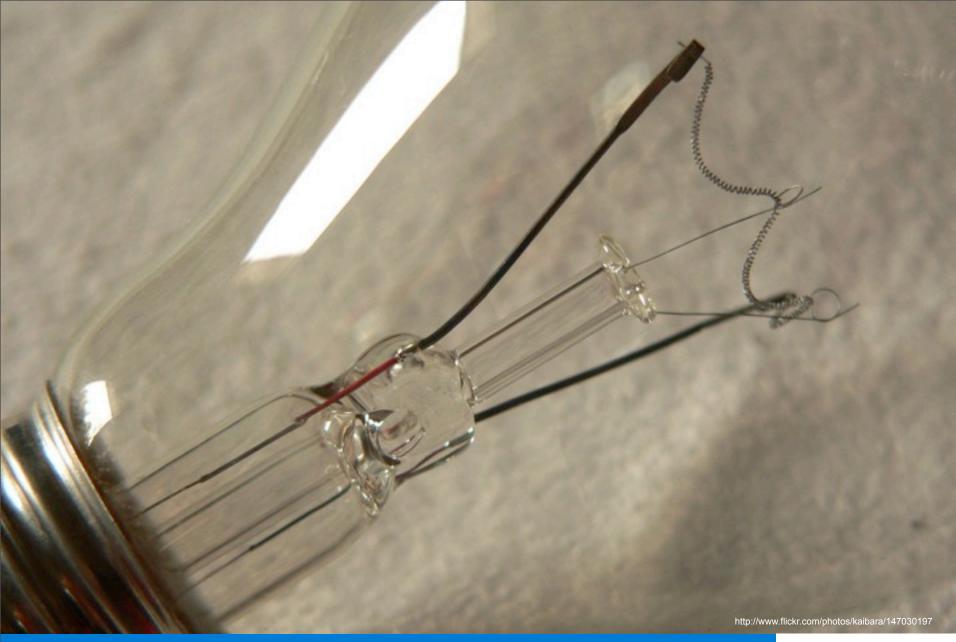












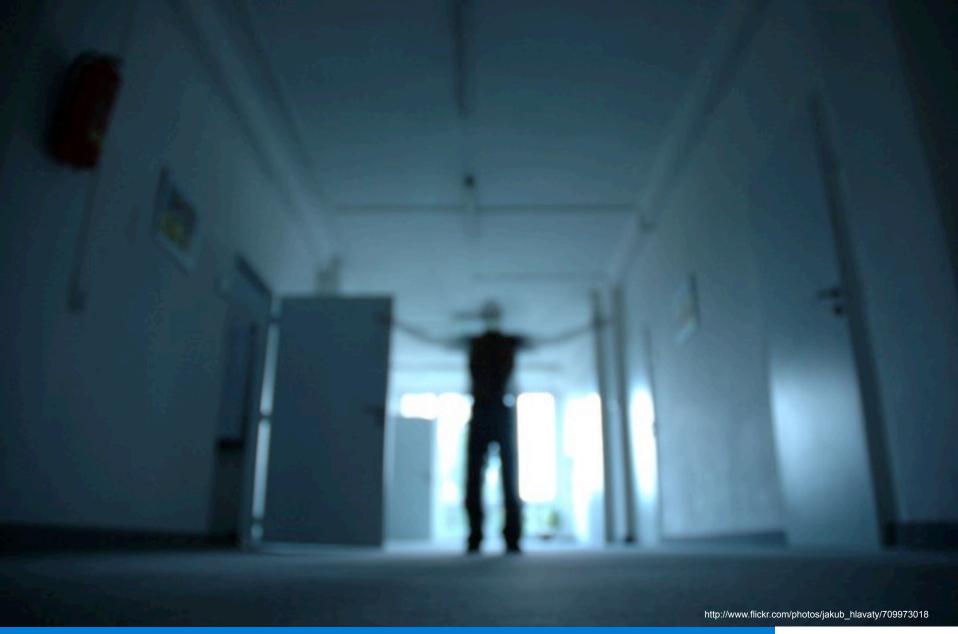
Start with a good idea





Understand your audience





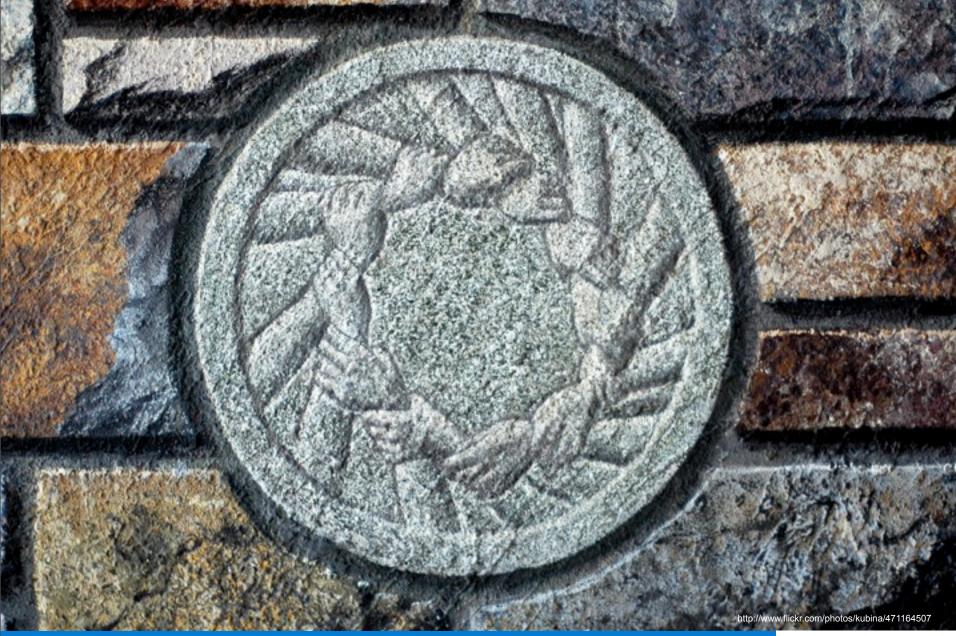
The Administrator



Audience

- Ultimately, you're still creating an experience for the end user
- But site administrators hold the keys to distribution
- Focus on relevance
 - Create something useful that makes sense on a web site.
- Focus on reliability
 - For a site administrator to rely on you for core social functionality, your application needs to be rock solid.





Communities





Context



Social Web Blog

News about Google products helping to make the web more social

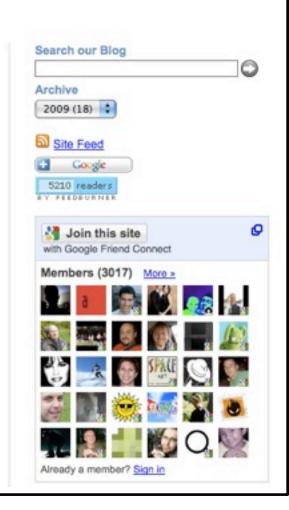
Surface your best content

Thursday, May 14, 2009 | 3:10 PM

Labels: Google Friend Connect, new features

You spend a lot of time creating great content for your site, but are you ever curious about which parts of your website your community likes best? Now you and your visitors can easily find out with the new Recommendation gadgets for Google Friend Connect.





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Context

- Friend Connect is about making the web more social
- Your gadgets will be embedded into a variety websites
- Existing applications may not make sense in some set of these new contexts
 - Being bit by a zombie is probably not very relevant on a church's website, but may be awesome for a Halloween site.
- Think about applications that work across many contexts
 - e.g., polls, real-time chat, etc.



Start with a good idea

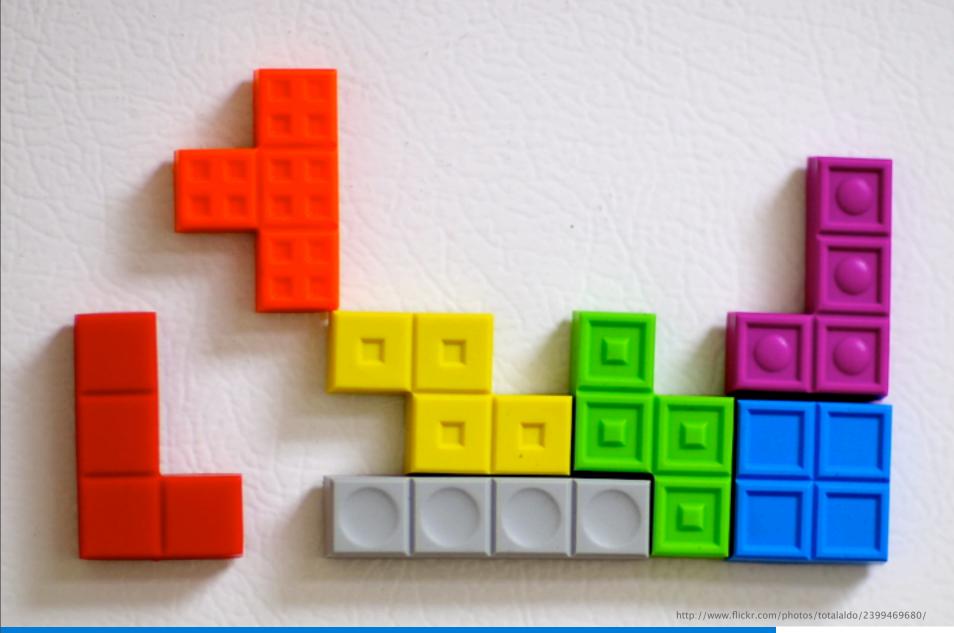
Audience

- Continue to focus on the user and all else will follow
- But remember that administrators are your distributors
 - Provide useful and relevant functionality
 - Be reliable

Context

- Your application is part of someone else's site
- Think about creating something that many sites can use





Starting to design



Gadget structure Size



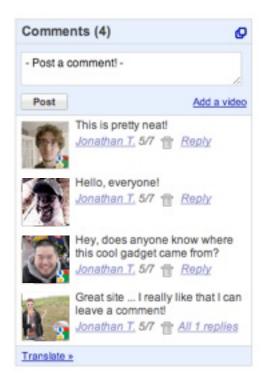
Gadget structure

Size





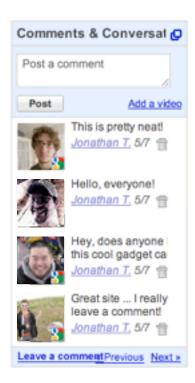
Gadget structure Size







Gadget structure Size





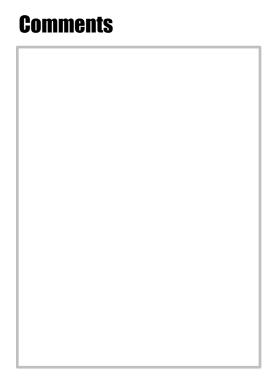
Gadget structure Size

Minimum size:

160px - 180px



Comments	









Friends	
	« Prev Next »



Friend	ls
<u>Back</u>	« Prev Next »



Canvas

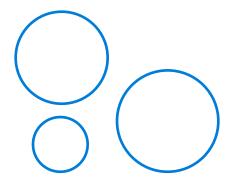






Making it work







user contribution

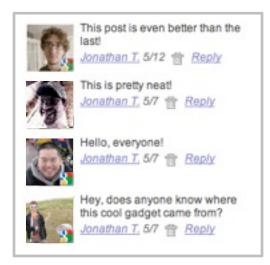








user contribution

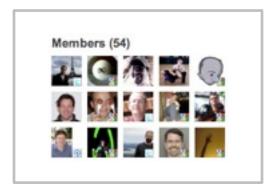




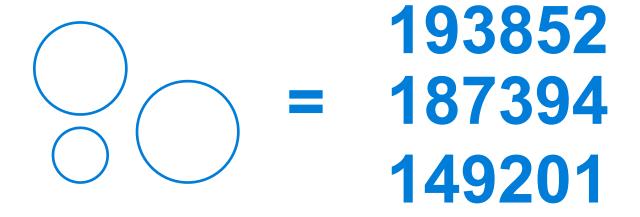




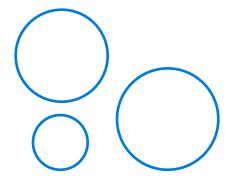
user contribution









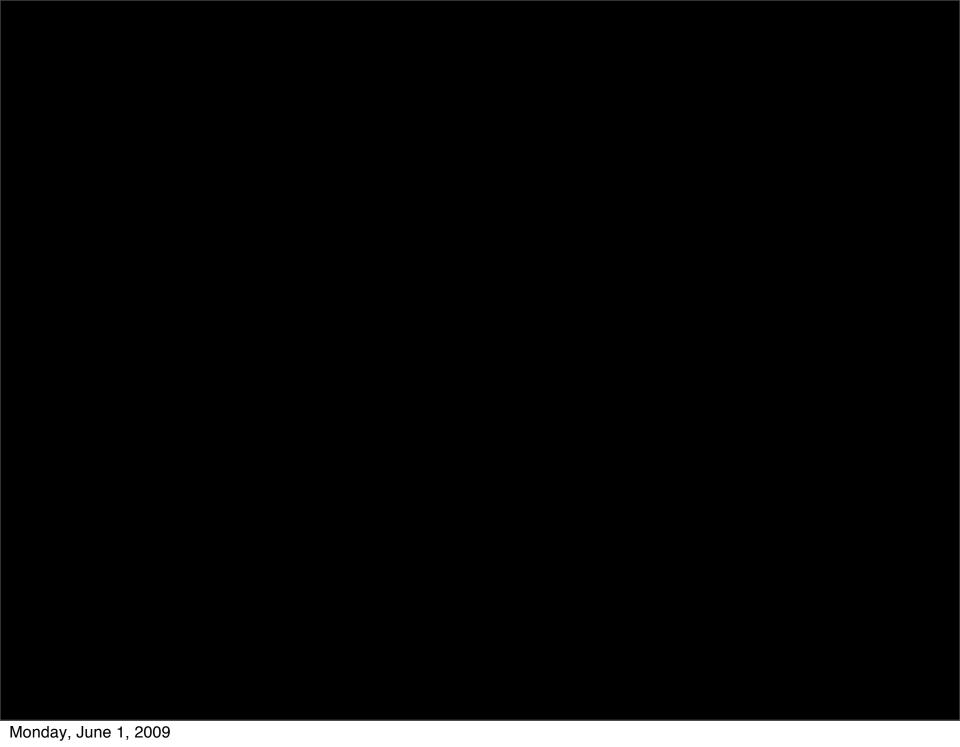




user contribution







opensocial







Intro to OpenSocial APIs



OpenSocial APIs

- The idea!
 - Web. Good. + Social. Good. = Social Web. Better!
- Where you can use OpenSocial APIs
 - 25+ social networks around the world



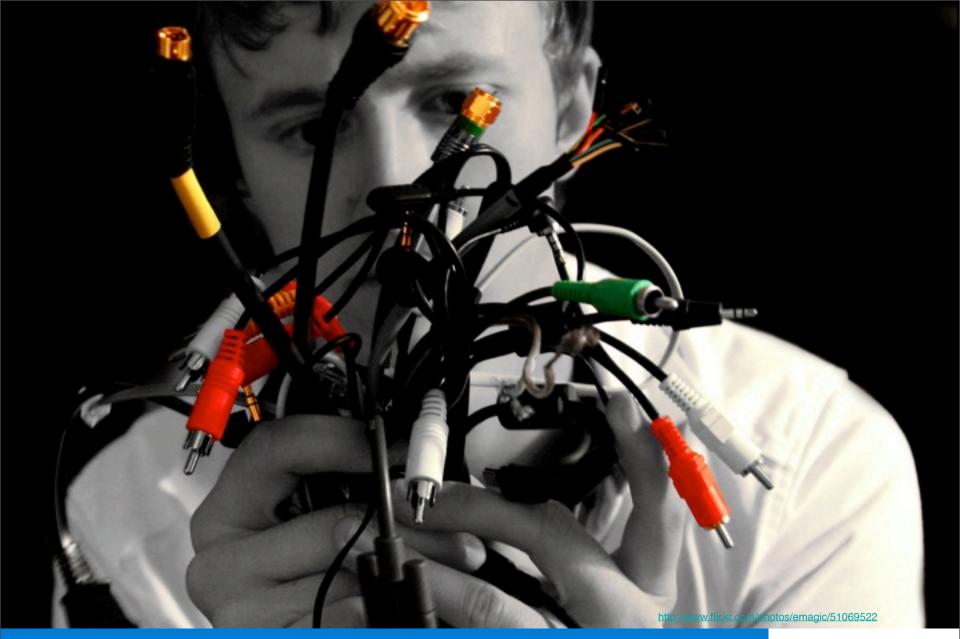
Products supporting OpenSocial

- Google Calendar, Gmail, Blogger, Friend Connect
- Orkut
- MySpace
- hi5
- Netlog
- hyves
- Xiaonei
- 51.com
- IDtail
- Ning
- LinkedIn
- Quepasa
- Many, many more...









Technical differences - GFC vs traditional SNSs



OpenSocial APIs

Types of data

- Profiles and Friends
 - ID, name, thumbnail url
- Activities and Messages
- Application Data

Access

- Client-side (JavaScript, OSML, Templates)
- Server-side (REST, RPC)



Identity of the people involved

- VIEWER
- OWNER



Who's the **VIEWER**

Traditional Networks

The authenticated user who is viewing your app

Google Friend Connect

- The authenticated user who is viewing your app
- REMEMBER the anonymous user
- What do you know about the VIEWER?
 - OpenSocialPerson.Field.ID
 - OpenSocialPerson.Field.ABOUT_ME
 - OpenSocialPerson.Field.PROFILE URL
 - OpenSocialPerson.Field.THUMBNAIL_URL



Who's the **VIEWER**

What do traditional SNS apps know about the VIEWER?

- OpenSocialPerson.Field.ID
- OpenSocialPerson.Field.ABOUT_ME
- OpenSocialPerson.Field.PROFILE_URL
- OpenSocialPerson.Field.THUMBNAIL_URL
- OpenSocialPerson.Field.GENDER
- OpenSocialPerson.Field.LANGUAGES_SPOKEN
- OpenSocialPerson.Field.LIVING_ARRANGEMENT
- OpenSocialPerson.Field.RELATIONSHIP_STATUS
- OpenSocialPerson.Field.SMOKER
- OpenSocialPerson.Field.DRINKER



Who's the **OWNER**?

- Traditional Networks
 - The user who installed the instance of the app being viewed
- Google Friend Connect -
 - The SITE is the owner!
 - ID = 15708967882889536966
 - GIVEN NAME = chabotc.com
 - PROFILE URL = http://www.chabotc.com/



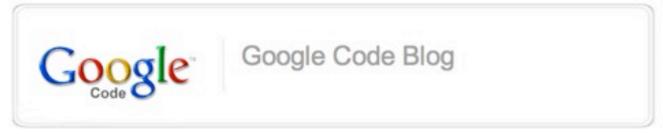






Using (page) context





Interested in learning about the latest advancements in Android, App Engine, Chrome, Google Web Toolkit, OpenSocial, and more? Register to attend Google I/O, May 27-28 at Moscone West in San Francisco.

MySpace Open Platform: Connect MySpace users to your site and to your apps

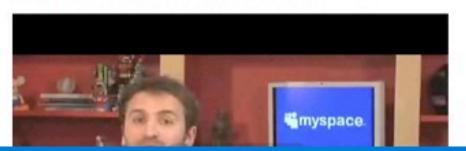
Wednesday, May 20, 2009

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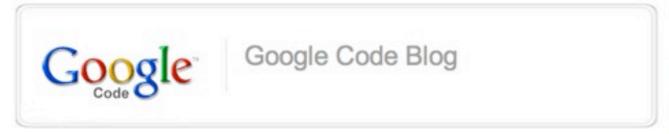
MySpaceID delivers social functionality and experiences by linking MySpace accounts with your site. These services allow users to quickly register using their MySpace credentials as well as post status messages, publish activities into MySpace, discover friends, and view MySpace activity and profile data on your site! The users' friends see all these updates, which drive traffic to your site and attract new users to register. By leveraging MySpace's social graph, you add virally to the buzz about your site and increase the number of visitors to it.

For a broad overview of MySpaceID, please watch this video:









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Friend Connect













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Content of the Page | Blog



Using page context in Blogger

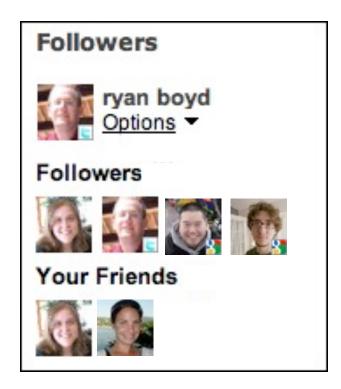
- google.Blog.prototype.getPostsFeedUrl
- google.Blog.prototype.getPostsJson
- google.Blog.prototype.getCommentsFeedUrl
- google.Blog.prototype.getCommentsJson
- google.Blog.prototype.getCurrentPostFeedUrl
- google.Blog.prototype.getCurrentPostJson
- google.Blog.prototype.getCurrentCommentsFeedUrl
- google.Blog.prototype.getCurrentCommentsJson



Using page context in Blogger - Why?



Using page context in Blogger - Why?





Using page context in Blogger - Why?

Comments on this blog:

Jane said: "digit is so cute!"

John said: "too girly, I want a real dog"

Jane said: "awww, John is nuts!"

Tom said: "what breed is she?"

Kim said: "a goldendoodle!"

John said: "that's not a breed"

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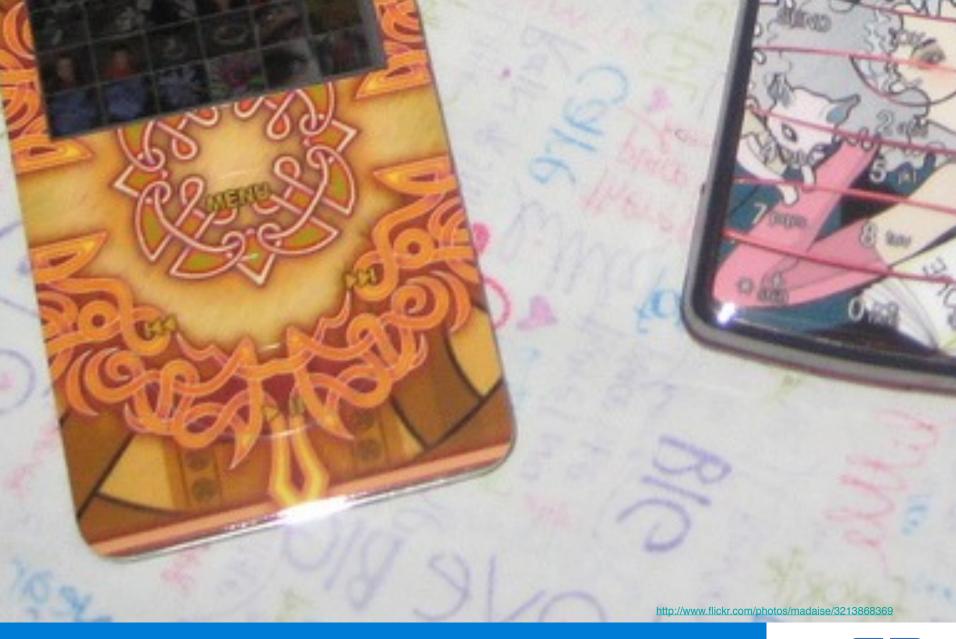




Using page context in Blogger - Code

```
blog.getCommentsJson(onLoadFeed);
function onLoadFeed(data) {
  data = data.data;
  var list = document.getElementById("output");
  for (var i = 0; i < data.feed.entry.length; i++) {</pre>
    var entry = data.feed.entry[i];
    a.appendChild(document.createTextNode(
        entry.author[0].name.$t + " wrote..."));
    dd.appendChild(document.createTextNode(
                   entry.content.$t));
    var extendedProperty = entry.author[0]
                               .qd$extendedProperty;
    if (extendedProperty && extendedProperty.name ==
"OpenSocialUserId") {
    if (friendProfiles[extendedProperty.value]) {
      dt.style.backgroundColor = "yellow";
      dd.style.backgroundColor = "yellow";
```





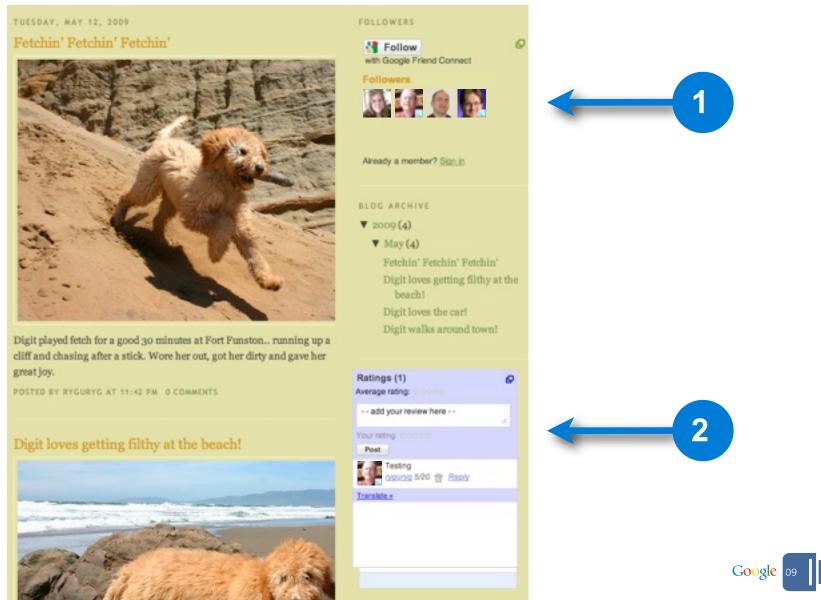




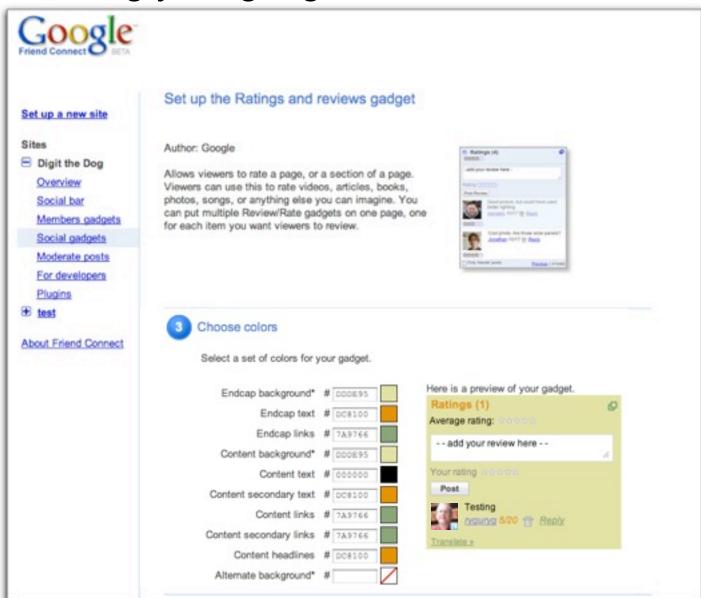
Skinning your Gadgets



Why you need to skin your gadgets



Skinning your gadgets - Install UI





Skinning your gadgets - Properties

- BORDER_COLOR
 - Color of border of gadget, or 'transparent' if no border desired.
- CONTENT_BG_COLOR (OS 0.8: BG_COLOR)
 - Background color to use for main portion of gadget.
- CONTENT_LINK_COLOR (OS 0.8: ANCHOR_COLOR)
 - Color of unvisited links in the main portion of gadget.
- CONTENT TEXT COLOR (OS 0.8: 'FONT COLOR')
 - Color of primary or most-displayed text in main portion of gadget.
- FONT FACE
 - Font face to use by default.



Skinning your gadgets - Extended Properties

- CONTENT HEADLINE COLOR
- CONTENT SECONDARY TEXT COLOR
- CONTENT_SECONDARY_LINK_COLOR
- ENDCAP BG COLOR
- ENDCAP LINK COLOR
- ENDCAP TEXT COLOR
- ALTERNATE BG COLOR
- CONTENT_VISITED_LINK_COLOR



Skinning your gadgets

Declaring the feature requirement:

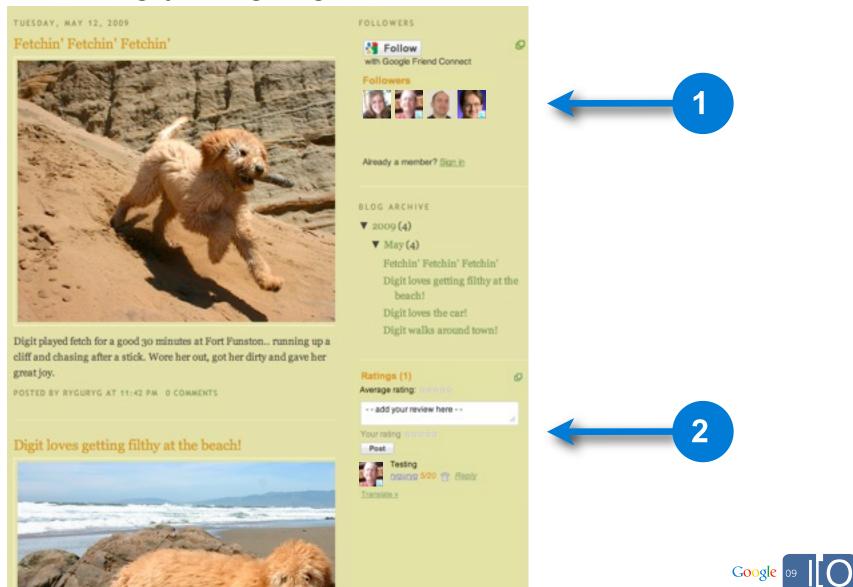
```
<Optional feature="skins"/>
```

Using the styles:

```
$("someElement").style.borderColor =
gadgets.skins.getProperty('BORDER_COLOR');
```



Skinning your gadgets









Localization



Localization of GFC Gadgets

Use message bundles!

Using the messages:

```
<Locale lang="en" messages="http://example.com/
hello/en_ALL.xml"/>
<Locale lang="en" messages="http://example.com/
hello/fr_ALL.xml"/>
.....
<h1>__MSG_greeting__</h1>
```





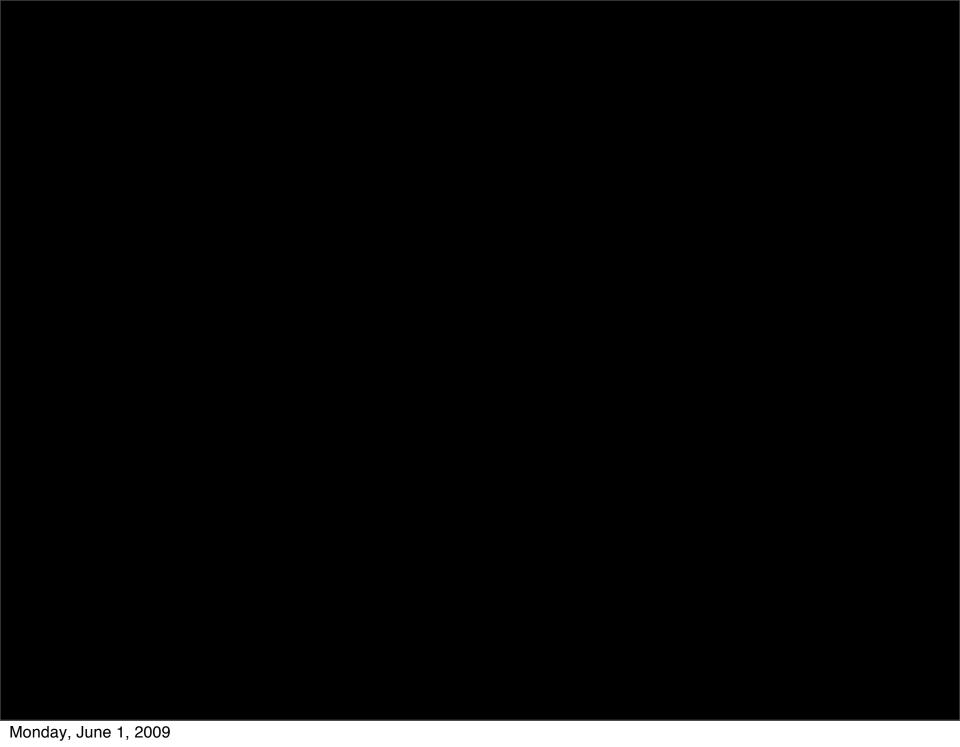


Rewinding...



5,000,000

30-day active friend connect sites



100,000

new members of these sites EVERY DAY

YOUREACH







List Your App

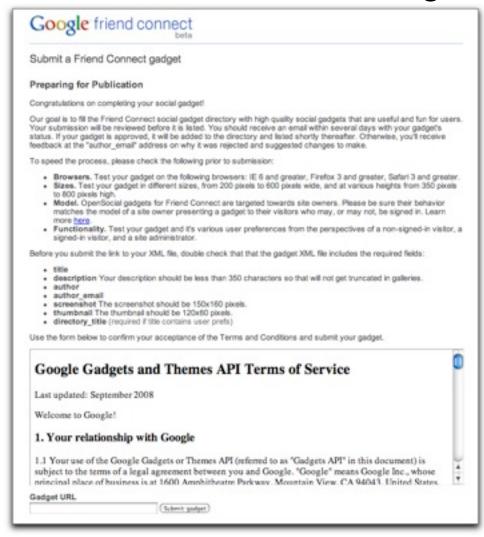


The Friend Connect Gadget Gallery





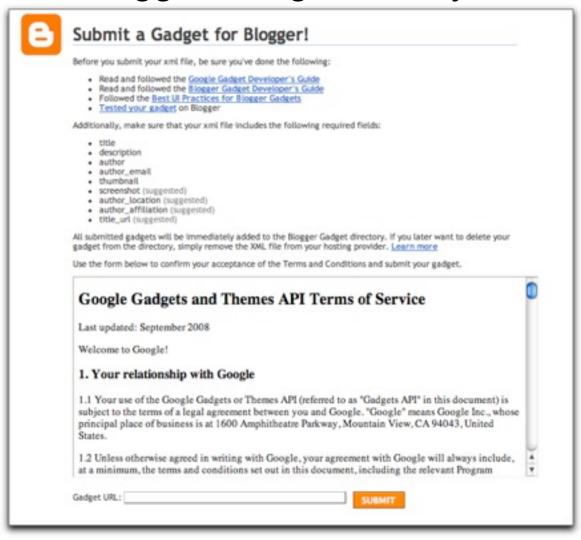
The Friend Connect Gadget Gallery



http://www.google.com/friendconnect/submitgadget



The Blogger Gadget Gallery

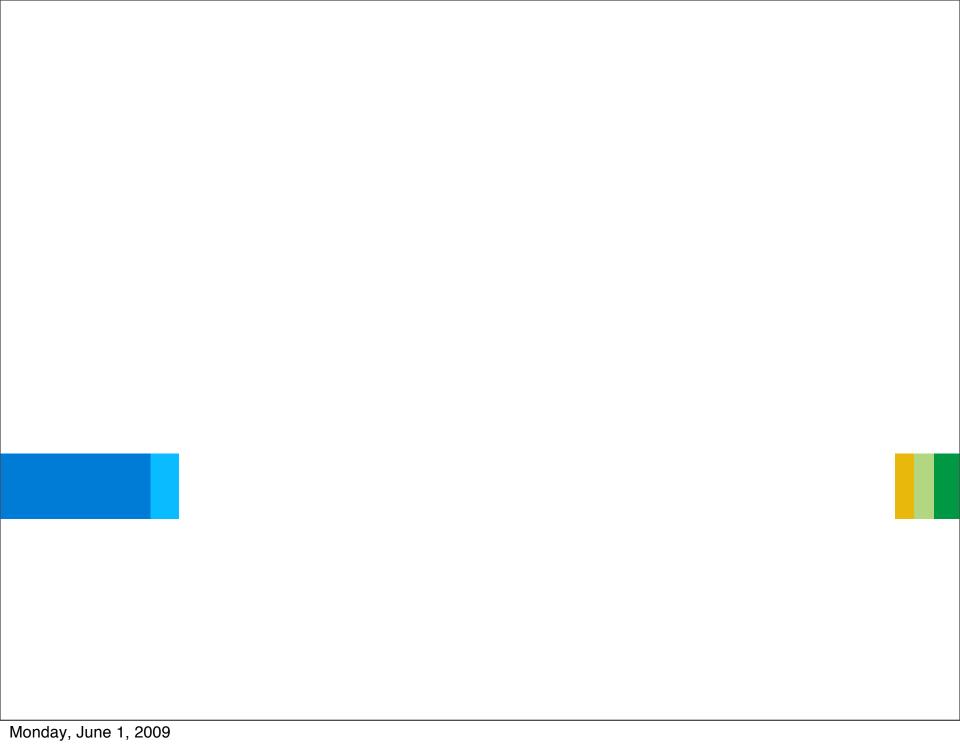


Note: Not yet launched



http://www.google.com/friendconnect/





Q & A

Post your questions for this talk on Google Moderator: http://tinyurl.com/gfc-questions



