

Google™



# iGoogle Developer Portal and Tools

Sega (Shih-Chia) Cheng & Albert Cheng  
Software Engineer  
2010/05/20

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<http://bit.ly/a598YY>

# Today in this Session

- iGoogle, Gadgets, and OpenSocial
- A new developer service and a new development tool:
  - Gadget Dashboard
  - OSDE (OpenSocial Development Environment)

# iGoogle

<http://www.google.com/ig>

# As a user, iGoogle is

- A personal Google homepage where you can
  - Do Google **search**
  - Put together / **customize** information and tools you need as "**gadgets**"
  - **Interact** with your friends (Google Talk, games, etc ...)

# iGoogle

[Advanced Search](#)  
[Language Tools](#)

Google.com.tw offered in: [中文 \(繁體\)](#)



Add social gadgets to post updates and play games with friends.

Change theme from [Spring Scapes](#) | [Add stuff](#) »

## Homepage

- Google News
- YouTube
- Google Hot Trends (...)
- Google Toolbox 2
- Google Toolbox
- Weather
- Dots

Updates  
Friends

## Chat

Search, add, or invite

Sega Cheng (8)  
Set status here ▼

## Contact Suggestion

 mhchan  
@googl  
e.com  
[Add](#) [Ignore](#) [More...](#)

- Kevin Liu
- Li-yin Wu
- Conrad Lo
- Albert Cheng
- Ping Yeh
- Andrew McGli
- Balaji Srinivas

## Weather

**San Francisco, CA**

 **10°C** Current: Mostly Cloudy  
Wind: W at 32 km/h  
Humidity: 89%

Mon	Tue	Wed	Thu
			
15°   8°	14°   9°	17°   11°	18°   12°

## Google News

Top Stories | World | U.S. | **Business** | Sci/Tech | +

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By BETTINA WASSENER HONG KONG —  
The wave of relief th... [View related stories](#) »

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By Nicolas Johnson and Jonathan Burgos  
May 11 (Bloomberg)... [View related stories](#) »

## YouTube

"Q&A" from StoryCorps  
4:00 ★★★★★  
[Share video and post comment](#) **New!**

[More Videos](#) | [Share this gadget with your friends.](#)

## Google Toolbox 2

Standard calculator  Google calculator



## Google Toolbox

Book the flight. Call mom.

## Google Hot Trends (United States)

Now | 1 day ago | Past week | Past month

- [erica blasberg](#)
- [judy greer](#)
- [oklahoma tornado](#)
- [jetblue 10 dollar flights](#)
- [oklahoma city news](#)
- [ap psychology practice test](#)
- [oklahoma weather](#)
- [maxim hot 100](#)
- [codex gigas](#)
- [...](#)

## Dots



Checkout The New Homepage

LAEPIXIES.COM

# As a developer, iGoogle is

- **a distribution channel** for your content, app, games, etc.  
You can develop gadgets and applications for tens of millions of active users. We have hundreds of thousands of gadgets and feeds.
- **Monetize** your gadgets

# Gadgets

HTML and JavaScript applications that can be embedded in webpages and other apps.

# As a user, Gadgets are

applications made by Google users like you that offer cool and dynamic content that can be placed on any page on the web.

# iGoogle

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Language Tools

Google Search

I'm Feeling Lucky

Google.com.tw offered in: [中文 \(繁體\)](#)

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Add Ignore More...

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### Weather

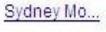
**San Francisco, CA**

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### YouTube

Today's Spotlight Videos



**"Q&A" from StoryCorps**  
4:00 ★★★★★  
[Share video and post comment](#) **New!**

[More Videos »](#) [Share this gadget with your friends.](#)

YouTube Gadget

### Google Toolbox

Gmail Google Calendar Sticky Note Google Tools

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- [oklahoma weather](#)
- [maxim hot 100](#)
- [codex gigas](#)

### Google Toolbox 2

Google Translate Metric Conversion Google Dual-Mode Calcula... Google 地圖

Standard calculator  Google calculator



### Dots

 DOTS  
Click to play!  
**PLAY NOW!**

Checkout The New Homepage  
LAMPUPDATES.COM

# As a developer, Gadgets are

channels to reach more people with your content

- Simple to build
- Run on multiple sites
- Reach millions of users

# OpenSocial



Make your gadgets social.

# As a user, OpenSocial is

a technology that enables you to interact with friends through gadgets.

# As a developer, OpenSocial is

a set of APIs that make your gadgets social.

Write once, run in every OpenSocial container

<http://www.opensocial.org/>

# Popular OpenSocial Containers

- iGoogle
- Mixi
- LinkedIn
- MySpace
- Ning
- Hi5

# Create Your Own OpenSocial Container

- Apache Shindig: a reference implementation of OpenSocial API applications
  - <http://shindig.apache.org/>
    - Profiles
    - Relationships
    - Activities
    - Shared applications
    - Authentication
    - Authorization

# Gadget Dashboard

Manage your gadgets.

<http://code.google.com/igoogle>

# Gadget Dashboard - What is it?

- Launched Nov. 2009
- An entry point for managing gadgets you developed
- Tells you how people use your gadgets

## Google code Gadget Dashboard

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Gadgets by shihchia@google.com (shihchia@google.com) [Show sorting options](#)



Title	Users worldwide <sup>?</sup>	Page views <sup>?</sup>	Comments worldwide	Status
<b>Currency Converter</b> Amount <input type="text" value="100"/> From <input type="text" value="Euro (EUR)"/> To <input type="text" value="U.S. Dollar (USD)"/>	 <b>0.55% *</b> 2,774,567 <a href="#">unique weekly users</a>	 <b>1.19% *</b> 18,379,556 <a href="#">pageviews</a>	<a href="#">113 comments</a> Last comment: May 10, 2010 34 ratings ★★★★★	<b>In directory</b> <input type="button" value="X"/> submitted Jul 16, 2008 <a href="#">View in directory »</a> <a href="#">Remove from directory</a>
By: <a href="http://www.google.com/ig/modules/currency_converter.xml">http://www.google.com/ig/modules/currency_converter.xml</a> <a href="mailto:googlemodules+currency_converter@google.com">googlemodules+currency_converter@google.com</a>				

\* Change between current and previous 7 days

# With Gadget Dashboard, you can

- Submit/Remove your gadgets to/from iGoogle directory with this dashboard
- View usage data of your gadgets
  - Pageviews
  - Unique users
  - Comments/Feedbacks/Ratings (with RSS subscription)

<http://code.google.com/igoogle>

# Gadget Dashboard Demo

# Roadmap of Gadget Dashboard

- Internationalization
- Feedback from Google to you
- More metrics

# OSDE (OpenSocial Development Environment)

Develop your gadgets the easy way.

<http://code.google.com/p/opensocial-development-environment/>

# Hello World Gadget

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<Module>
```

```
<ModulePrefs title="hello world example" />
```

```
<Content type="html"><![CDATA[
```

```
    Hello, world!
```

```
]]></Content>
```

```
</Module>
```

# Tools For Simple Gadgets Development

- Google Gadget Editor:  
<http://code.google.com/intl/en/apis/gadgets/docs/tools.html#GGE>
- Gadget Checker:  
<http://www.google.com/ig/adde?moduleurl=www.google.com/ig/modules/codechecker/codechecker.xml>

# OSDE - A Tool For Complex Gadgets Development

- Eclipse plugin
- Powerful editor for xml, javascript, java files, etc
- Wizard and tools for editing OpenSocial code
- Local OpenSocial container and database
- Interaction with live OpenSocial container
  - Hosting service
  - At the moment, only iGoogle is supported

# OSDE Background

- Open source project hosted at [code.google.com](https://code.google.com)
- Apache 2 license
- v0.9 Launched in 2010 May
- Core Contributors:
  - Yoichiro Tanaka - founder
  - Albert Cheng
  - Dolphin Wan
  - Sega Cheng
  - Ching-Yi Chan (qr tt1)
  - Many others .....

# OSDE Demo

- HelloWorld gadget
- Sample code from OSDE wizard
- Run with local Shindig and database
- Interact with iGoogle
- Fetch friends

# OSDE References

- OSDE Home Page  
<http://code.google.com/p/opensocial-development-environment/>
- OSDE User Guide  
<https://sites.google.com/site/opensocialdevenv/user-guide>
- OSDE Roadmap  
<https://sites.google.com/site/opensocialdevenv/roadmap>
- OpenSocial Home Page  
<http://www.opensocial.org/>

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Q / A

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