

Socialize Your Apps with Facebook Platform

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What can you do with Facebook integration?

- **Social Plugins:** Easily add common social components on your site.
- **Canvas, External Website, and Desktop applications**
 - **Single sign on:** Users of your application can log in as Facebook users.
 - **Graph API:** Access users' Facebook data and post to their walls, upload photos, create events, etc.

Social Plugins

<http://developers.facebook.com/plugins>



Like Button

The Like button lets users share pages from your site back to their Facebook profile with one click.



Activity Feed

The Activity Feed plugin shows users what their friends are doing on your site through likes and comments.



Recommendations

The Recommendations plugin gives users personalized suggestions for pages on your site they might like.



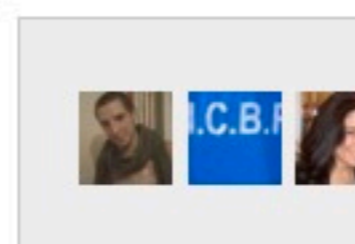
Like Box

The Like Box enables users to like your Facebook Page and view its stream directly from your website.



Login Button

The Login Button shows profile pictures of the user's friends who have already signed up for your site in addition to a login button.



Facepile

The Facepile plugin shows the Facebook profile pictures of the user's friends who have already signed up for your site.



Comments

The Comments plugin lets users comment on any piece of content on your site.




Live Stream

The Live Stream plugin lets your users share activity and comments in real-time as they interact during a live event.


Canvas, External Website, or Desktop?


- **Canvas:** Your application shows up inside Facebook.
- **External Website:** Your application is a separate website, but it can still get data from and write data to Facebook.
- **Desktop:** Your application is a separate piece of software, but it still has full access to Facebook Platform.


Examples of Facebook Platform in use

LATEST IN MY NETWORK 

What's This?

 **Naveen Srivatsa**
RECOMMENDED
E-Mail Etiquette Tips

 **Jordan Lee**
RECOMMENDED
My Endless New York

 **Brandon Seah**
RECOMMENDED
Obama Backs India for Security Council Seat

POPULAR NOW
A Girl, a School and Hope



Hi, Fyk Fymsta settings

 **FRIENDS' ACTIVITY**

[View more friends' activity](#) | [What's this?](#)

 **Christopher Wiley** recommended **The middle class is being 'hollowed out'** · about 2 weeks ago;

 **Amazon.com title defending pedophilia sparks boycott call**
7,027 people shared this.

 **D-Day vet shares a legacy of duty with a new generation of soldiers**
1,112 people shared this.

 Facebook social plugin logged out view

HarvardCourses

Core ▾ Gen Ed ▾ Frosh CS50



O hai, Keito!
Log out.

Courses I'm Shopping

Courses I'm Taking
Courses I've Shopped 1
Courses I've Taken
Save for Later

course meetings locations report
courses of instruction
fields of concentration
my.harvard
student planning portal

Friends' Shopping Lists ▾

Shop secretly

Can I poke people?

WE CAN

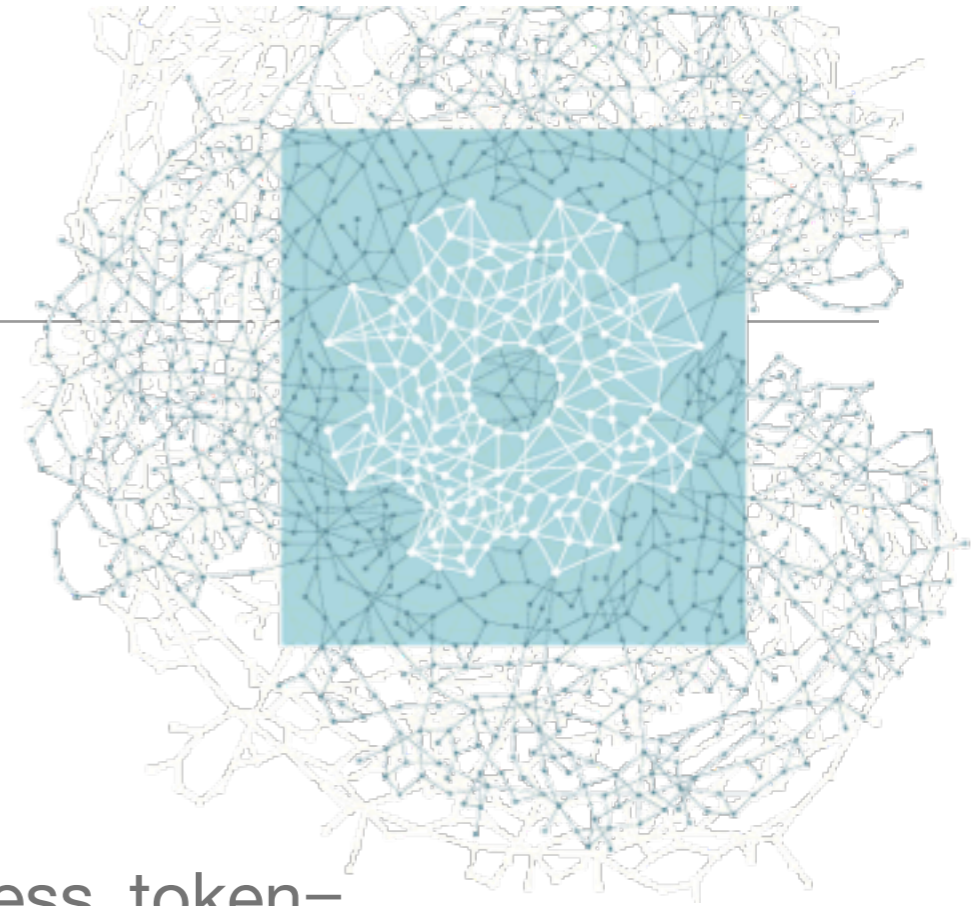
- Get people's names, friends, profile picture
- Get people's birthdays, location, email, gender
- Get people's connections: posts, likes, photo albums, books/movies/music they're interested in, photos they're tagged in
- Publish to the user's stream/update their status
- Upload photos, videos, and create events

WE CAN'T

- Poke people
- Friend/defriend other people
- Detect when people defriend you
- Detect when people view your profile
- Send people Facebook messages

The Graph API

- Facebook is a “Social Graph”
- Each object in the Graph has a URL:
 - <http://graph.facebook.com/keito/>
 - https://graph.facebook.com/keito/friends?access_token=...
 - <http://graph.facebook.com/TheBritishMonarchy/>
 - <http://graph.facebook.com/TheBritishMonarchy/photos>
- You “write” to an object by sending a POST request to a URL:
 - <https://graph.facebook.com/me/feed>
 - <https://graph.facebook.com/me/notes>



Introducing the PHP SDK

- The PHP SDK is one of the officially supported Platform SDKs (JavaScript, Python, iOS, and Android too)
- Abstracts away the nitty-gritty details of sending a request to the API servers and getting back a result
- <https://github.com/facebook/php-sdk/>

Getting started

- Obtain an Application ID and Application Secret (<http://www.facebook.com/developers>)
- Download the PHP SDK
- Edit the demo slightly (add parameters, domain)
- Add the URL to the application settings
- Try it out!

Resources

- Documentation: <http://developers.facebook.com/docs/>
- Graph API: <http://developers.facebook.com/docs/reference/api/>
- Graph Objects Reference: <http://developers.facebook.com/docs/reference/api/>
- Extended Permissions: <http://developers.facebook.com/docs/authentication/permissions>