



heroku



Create a Force.com- Powered Facebook App on Heroku

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Agenda

- Brief overview of Heroku
- Create a Facebook app with Heroku
 - Pull data from Force.com
 - Show some best practices
 - Give away some money!



1,250,000+ Apps Running on Heroku

The Heroku Cloud Application Platform

Run Anything



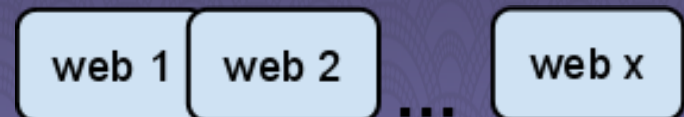
Forget Servers

```
$ heroku create -s cedar
```

Deploy Instantly

```
$ git push heroku master
```

Scale with Ease




Extend with Add-ons



Heroku and Facebook: Even Simpler!

Apps ▶ My First App ▶ Basic

Choose a provider



Heroku
The most productive, proven cloud platform for apps. Heroku runs your choice of languages, including Ruby, PHP, Node.js, and Python. Focus 100% on your app and never think about deployment or servers again.

Cancel

Next

App Display Name: [?]

App Namespace: [?]

The Brief

- Create a Facebook app to
 - Retrieve a list of charities from Force.com
 - Collect votes on charities
 - Restrict users to a single vote
- Create a Force.com app to
 - Manage the list of charities
 - When the contest is over, initiate the approval process for a donation to the winning charity

Charity App Back-end

- Let's look at how employees manage charities in Force.com

Force.com REST API

- Authenticate/authorize access via OAuth 2.0
- Records in Force.com identified by URLs
 - `/services/data/v24.0/subjects/Charity__c/a00d00000002XU4r`
- CRUD via POST/GET/PATCH/DELETE
- SOQL query interface
 - `/services/data/v24.0/query?q=SELECT+Name+FROM+Charity__c`

Step 1

- Let's extend our basic Facebook app to pull charity data from Force.com

Efficiency

- App gets charity data from Force.com on every page view
 - GOOD: data is timely
 - BAD: resource consumption, performance

Best Practice

- Let's use Memcache to store charity data
 - Facebook app loads cache from Force.com
 - Force.com trigger flushes cache on any change

Step 2

- Add Memcache addon
- Store charity data in Memcache
- Configure Force.com app to flush cache on any change to charity data

Let's Get Voting!

- But where do we store votes?



Heroku Postgres

- Managed SQL database
- Free shared-database addon for development
- Several tiers of paid service for production

Step 3

- Store votes in Postgres
- Expose vote totals via RESTful Web service
- Integrate with approval process in Force.com

Vote

- Insert Heroku app URL here!

Conclusion

- Use Heroku for your high-volume Facebook apps
- Use the Force.com REST API to integrate external apps with Force.com
- Integration is straightforward, but follow best practices to get a great result!

Resources

www.heroku.com/facebook

developer.force.com/REST

workbench.developerforce.com

bit.ly/cs12-facebook