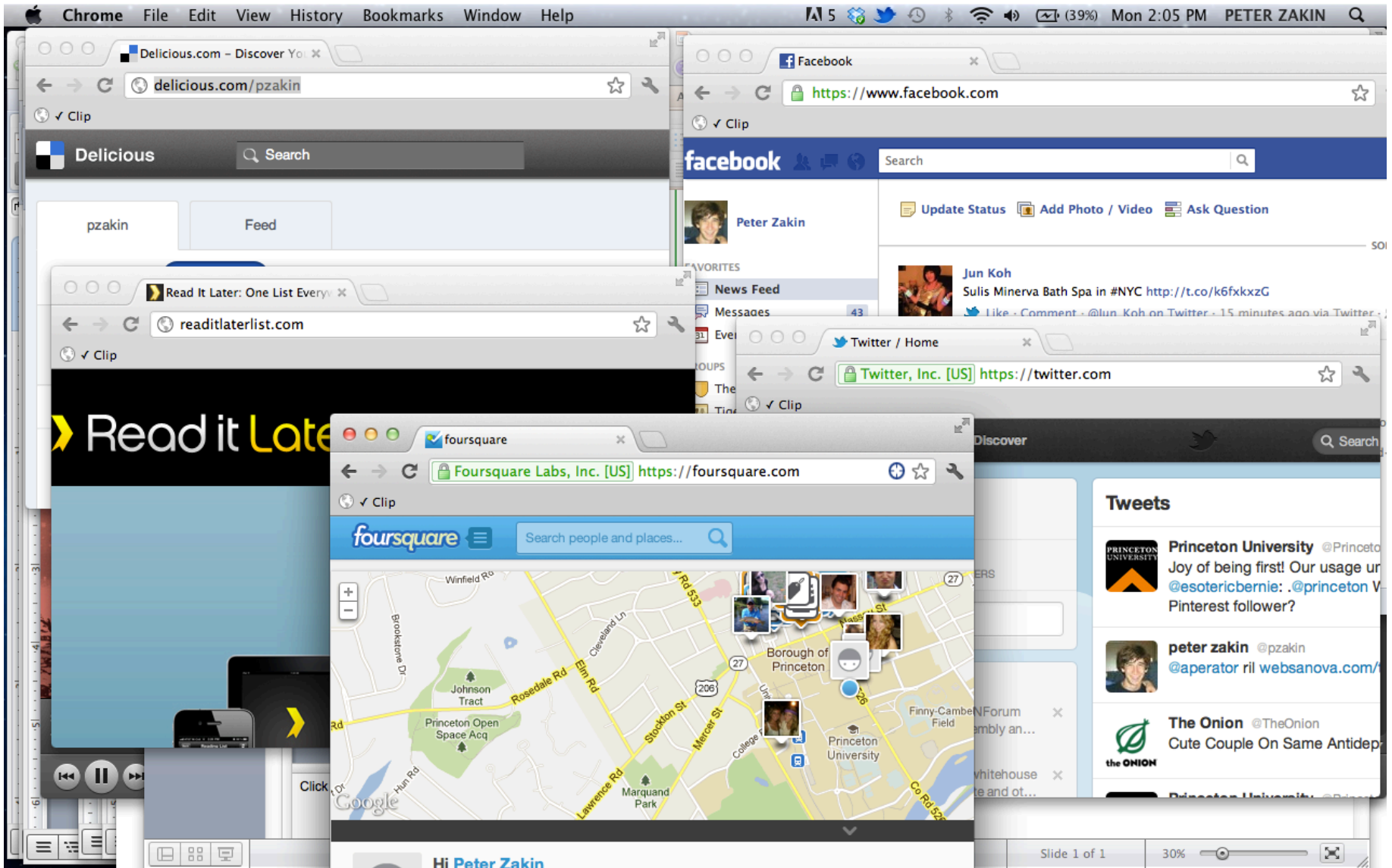# Aperator: Making Tweets Enable Actionable Commands on Third Party Web Applications

Peter Zakin, Soumya Sen, Mung Chiang

Princeton University

WEBAPPS 2012

Social Network Saturation

Small and Large Communities

- Most of our time is spent on Facebook and Twitter—not on the smaller networks
- Hard to be a good citizen of many different web applications
- How can we make it easier to belong to many different networks?
- How can we support content-growth on smaller networks?
  - Flow of information: from small networks to large networks
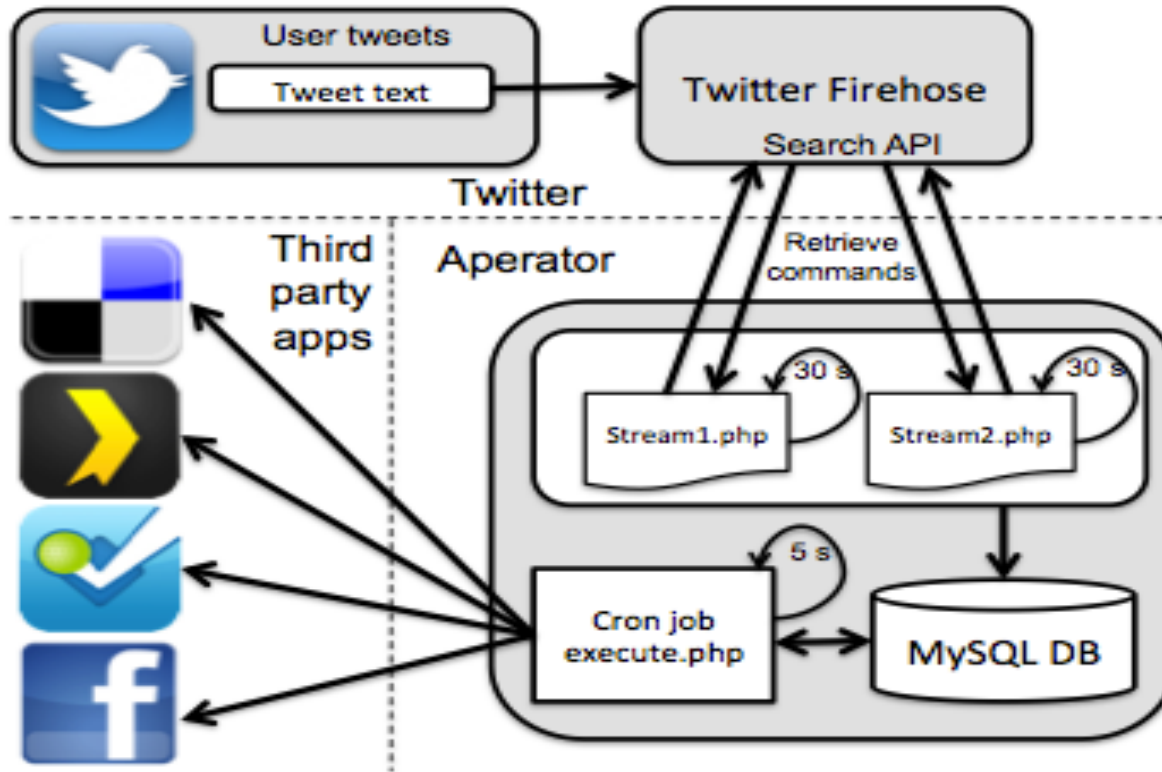
What is Aperator?

- Send actionable commands from Twitter to other web applications.
- Currently, aperator supports commands for Delicious, Facebook, Foursquare and Read it Later.

Aperator Syntax

- @aperator delicious www.example.com
- @aperator ril www.example.com
- @aperator fb I'm here at WEBAPPS
- @aperator 4sq Fenway Park

Demo!

Architecture

Limitations

- Speed
- Private accounts are not supported.
  - Issue could be resolved through REST API
- Foursquare and 'geo' attribute

Similar Work

- Twitter, #fb and #in
- ifttt

Takeaway: Aperator Open Lexicon

- Aperator could support a developer platform.
  - ❑ Developers reserve syntactical keywords
  - ❑ Delicious, Read it Later etc….
- Purely back-end applications
  - ❑ SMS (Twilio Integration)

Takeaway: Twitter as Social OS

- Aperator promotes inter-API synergy
- Universal interface
- Moving beyond #fb and #in with structured commands
- Package Installer/Aperator Connect? (probably a TOS violation)
- Web Shell?

Final Thoughts