

The Real Time Web Explained With A Real World Example

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TechTalk

- » **Instant Notifications**
- » **“Real Time” Search**
- » **No more PULL**
- » **A lot of Buzz!**

XMPP

Twitter

RSS

Ping

Jabber

FriendFeed

ReverseHTTP

SUP

rssCloud

Comet

PubSubHubbub

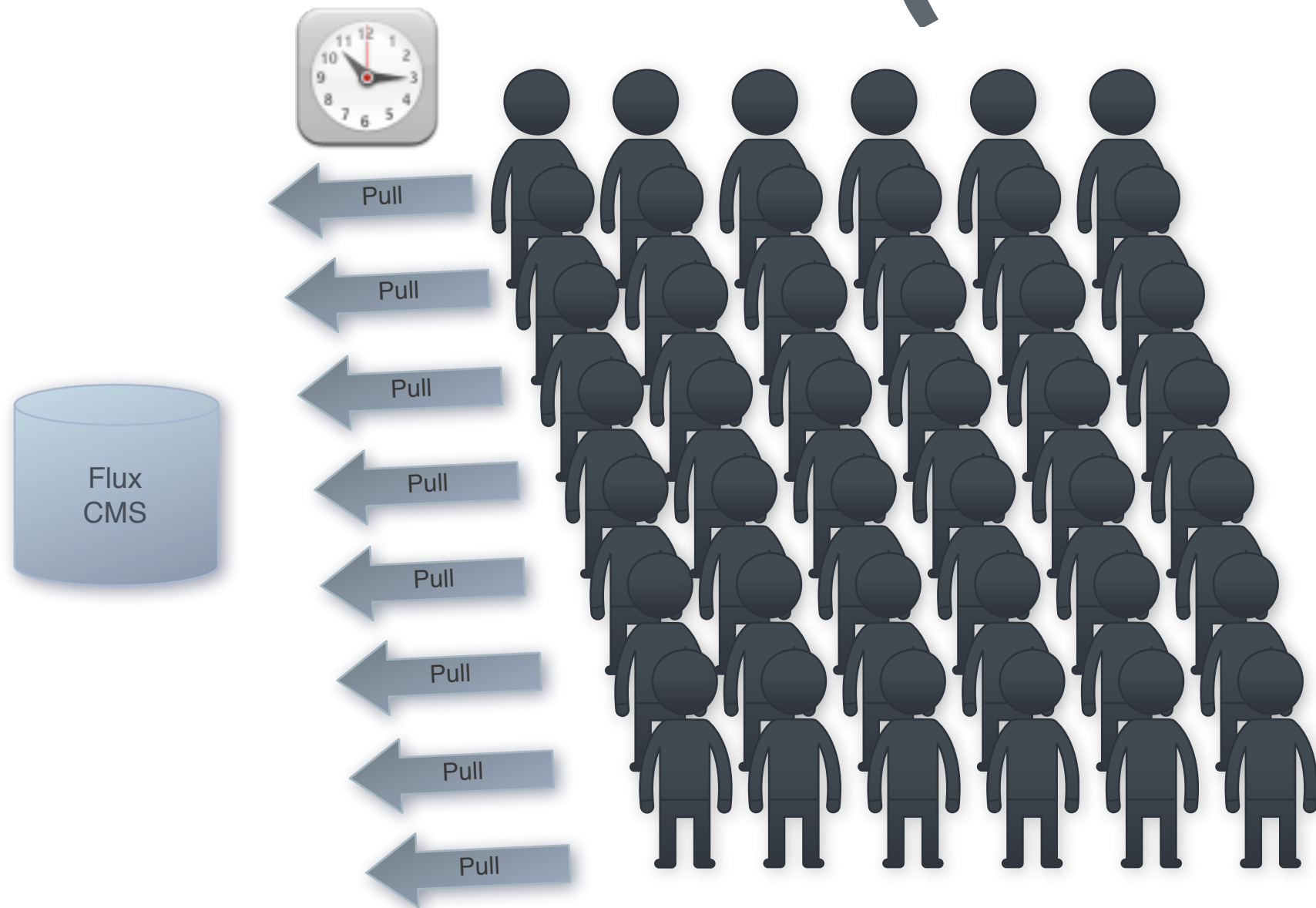
Push

LongPoll

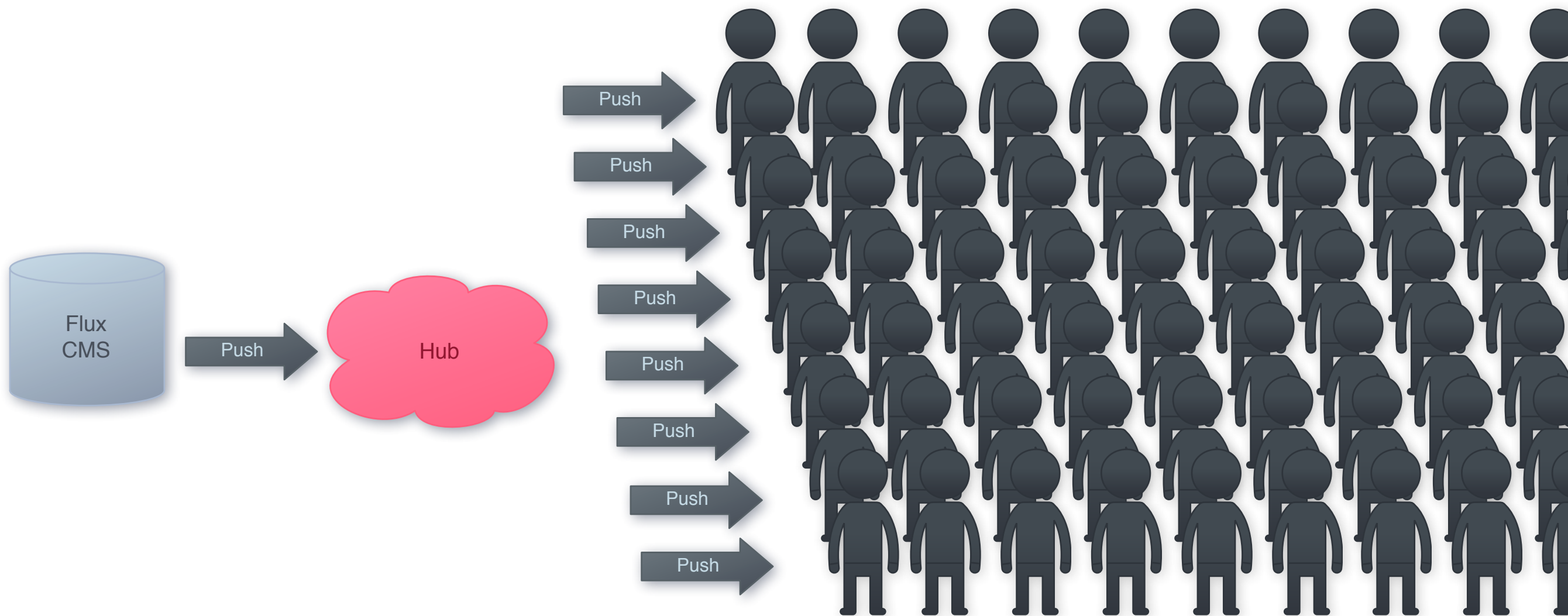
OAuth

Atom

The Problem (basic)



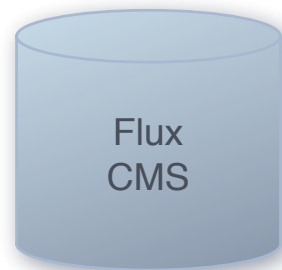
The Solution (basic)



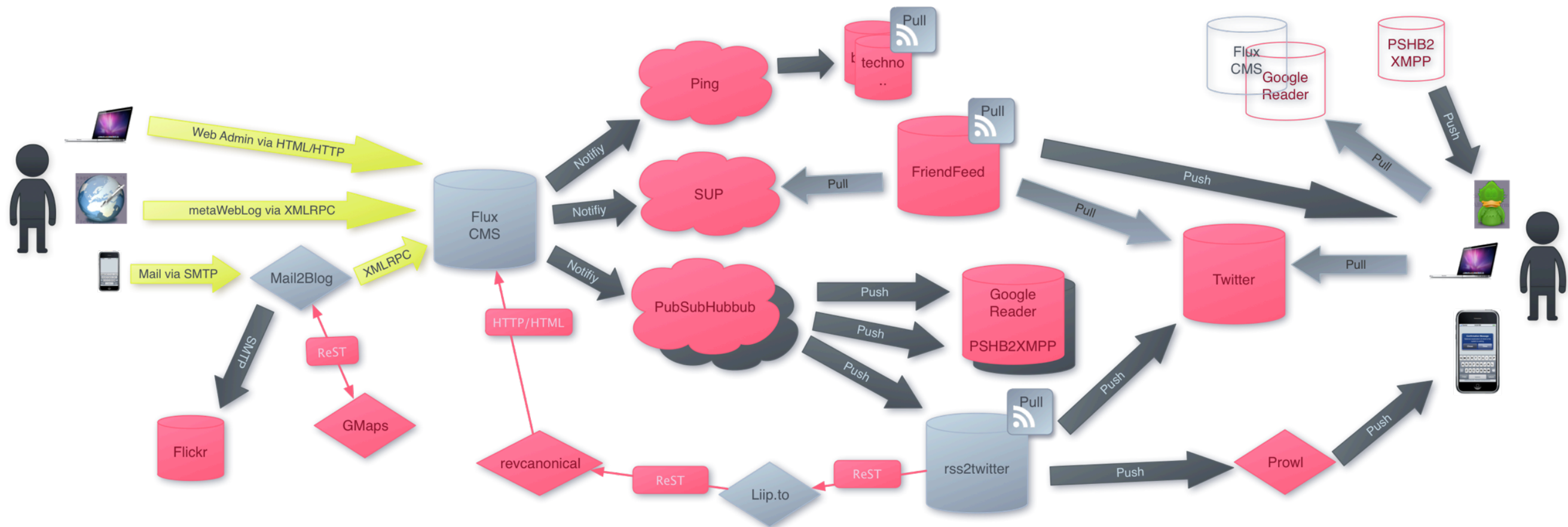
Task



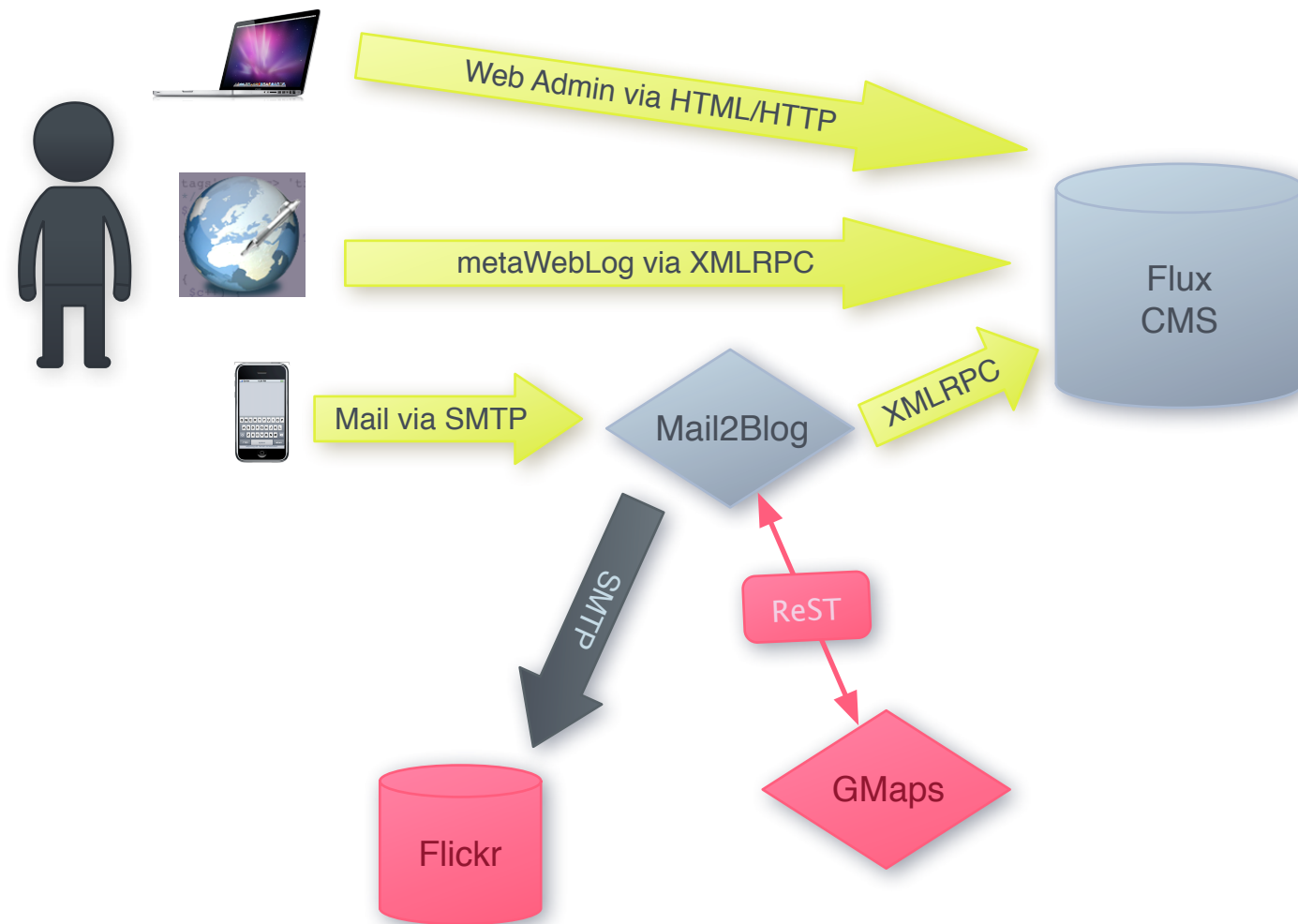
- » Publish stuff on a Flux CMS
- » From many places
- » To many places
- » As open and as flexible as possible
- » And as fast as possible (few seconds)



My Setup ...



The Publishing Part

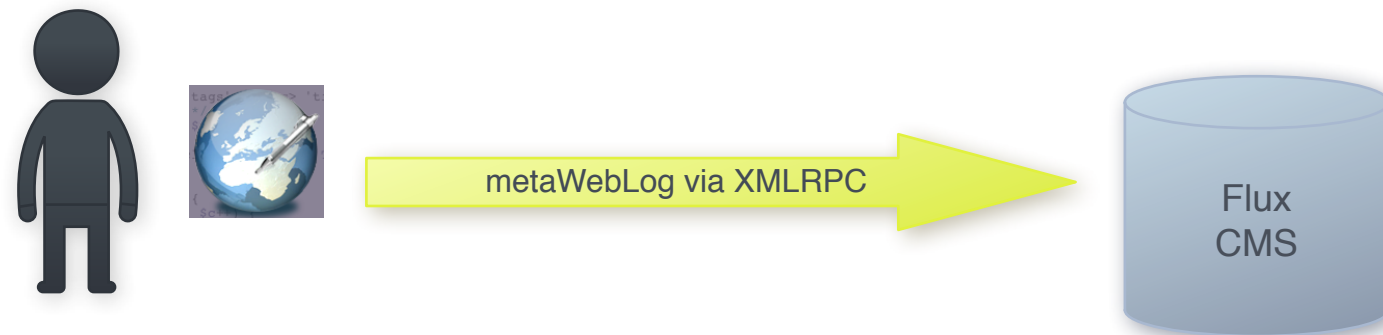


Obvious



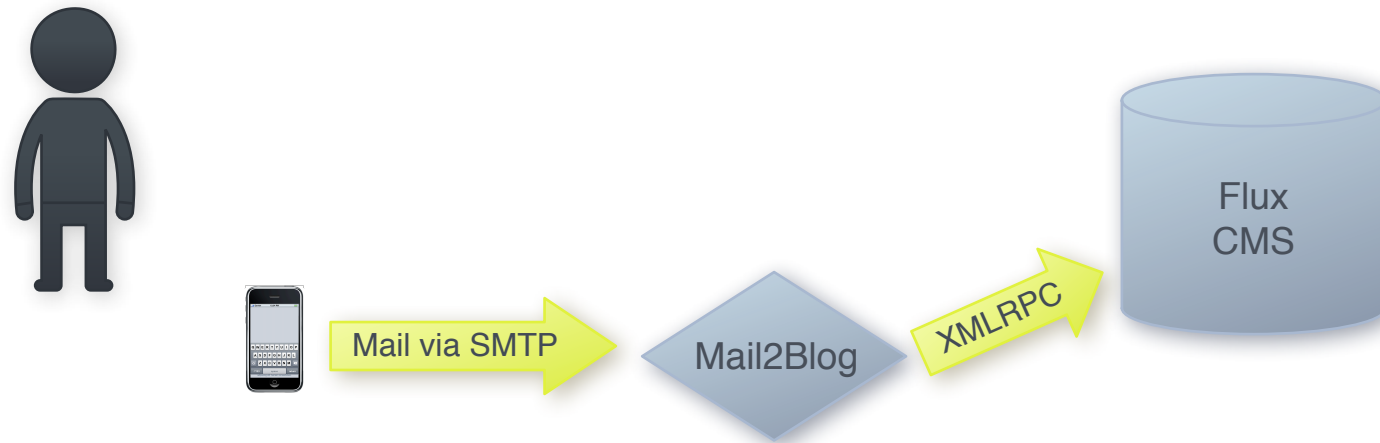
» Via Web Admin

Old School



» Via Weblog Client like Ecto

On the go



» Via Mailclient

On the go



Mail via SMTP

Mail2Blog

XMLRPC

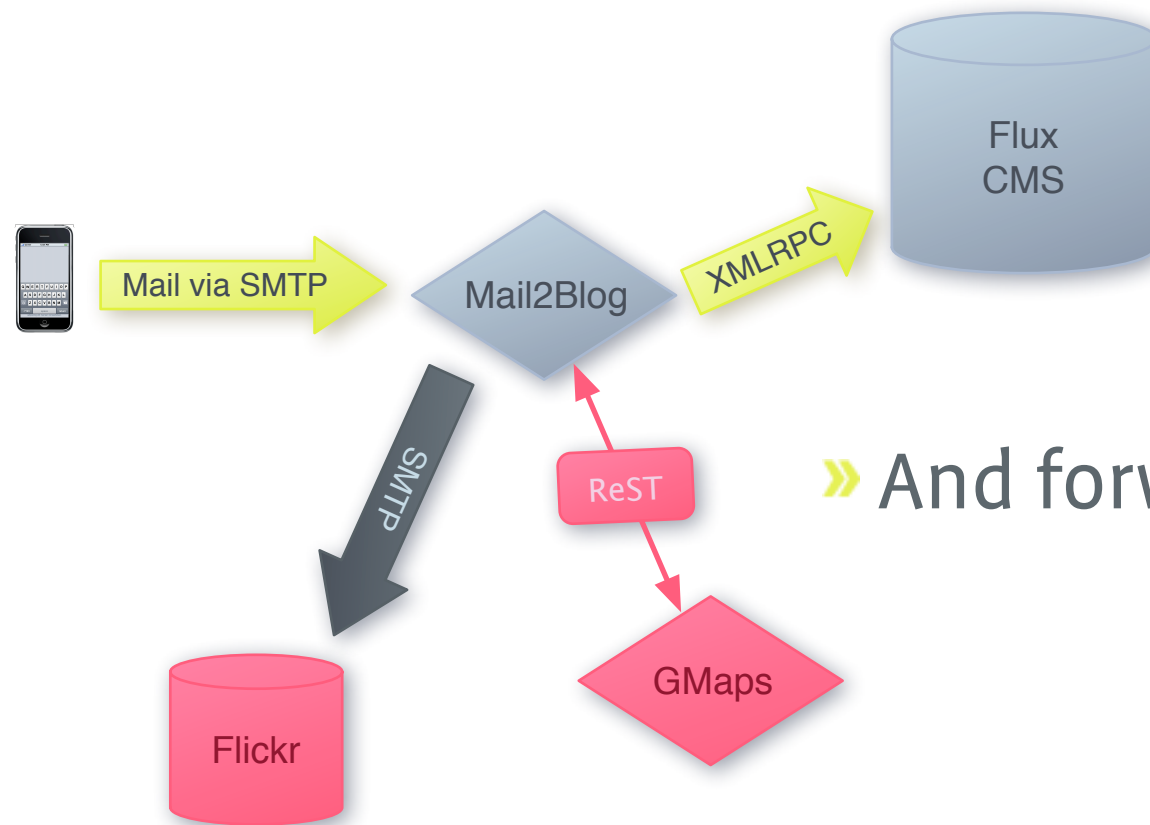
Flux
CMS

ReST

GMaps

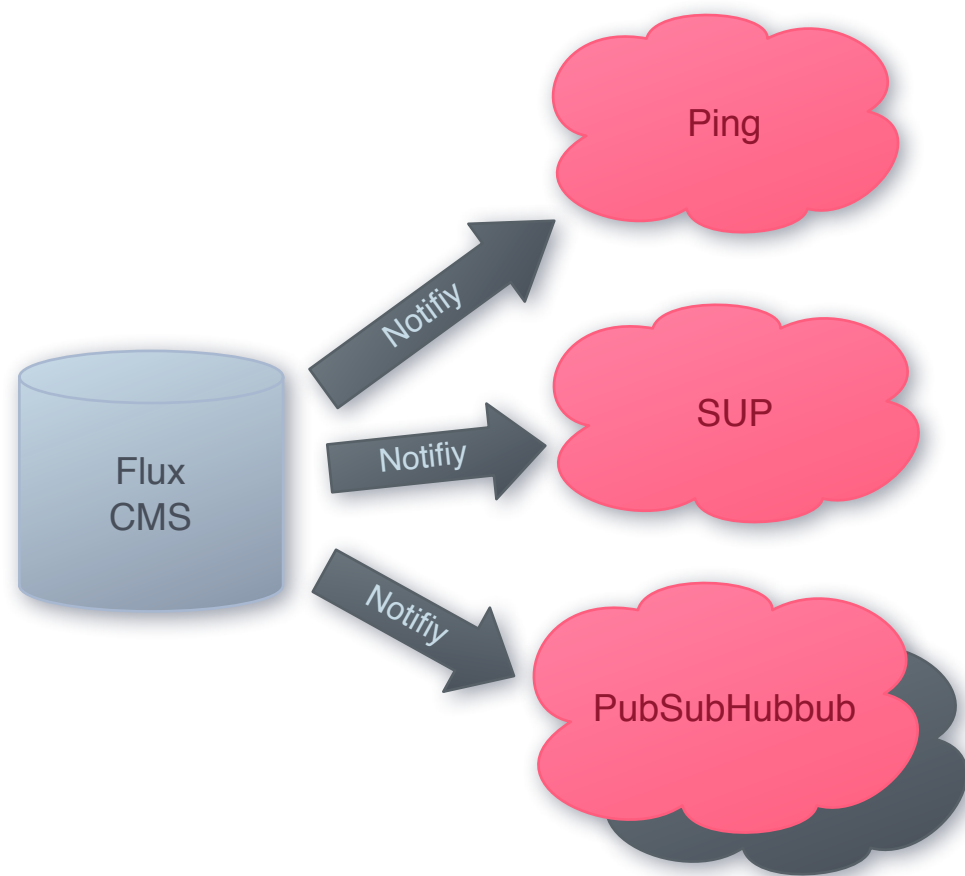
» Automatic Geotagging

On the go

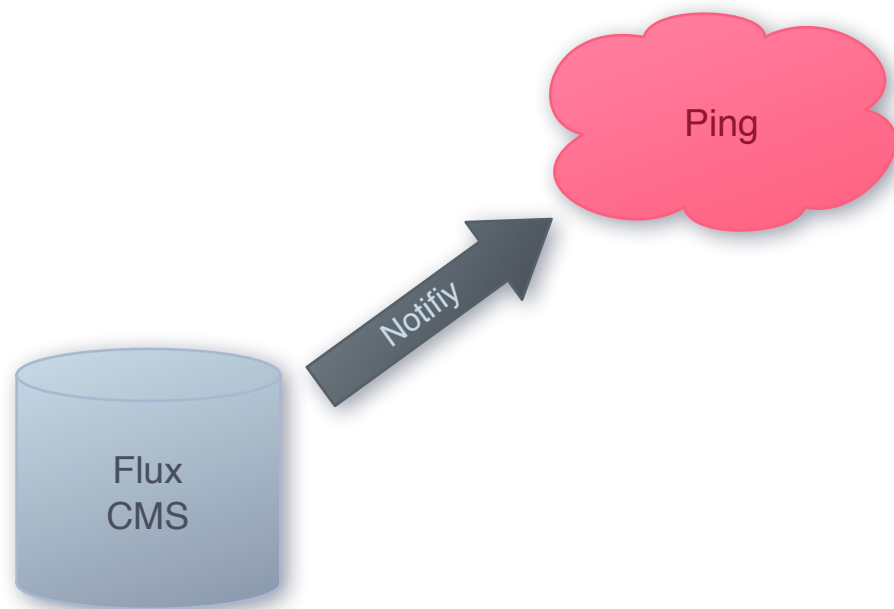


» And forward directly to Flickr

The Notifying Part

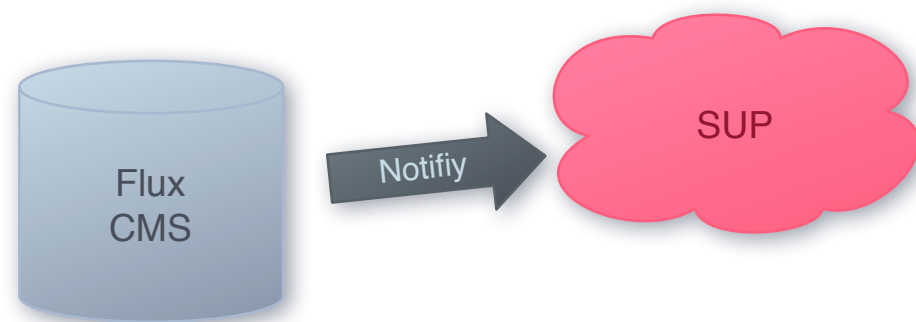


Ping - weblogs.com



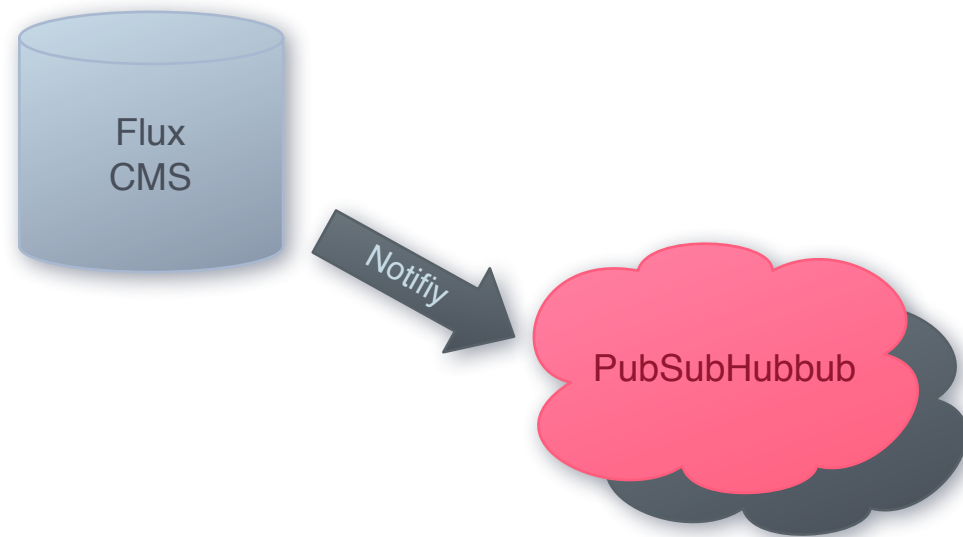
- » “Very” old
- » XML-RPC or ReST
- » Pull for Consumers
- » Used by blogug and many others

Simple Update Protocol



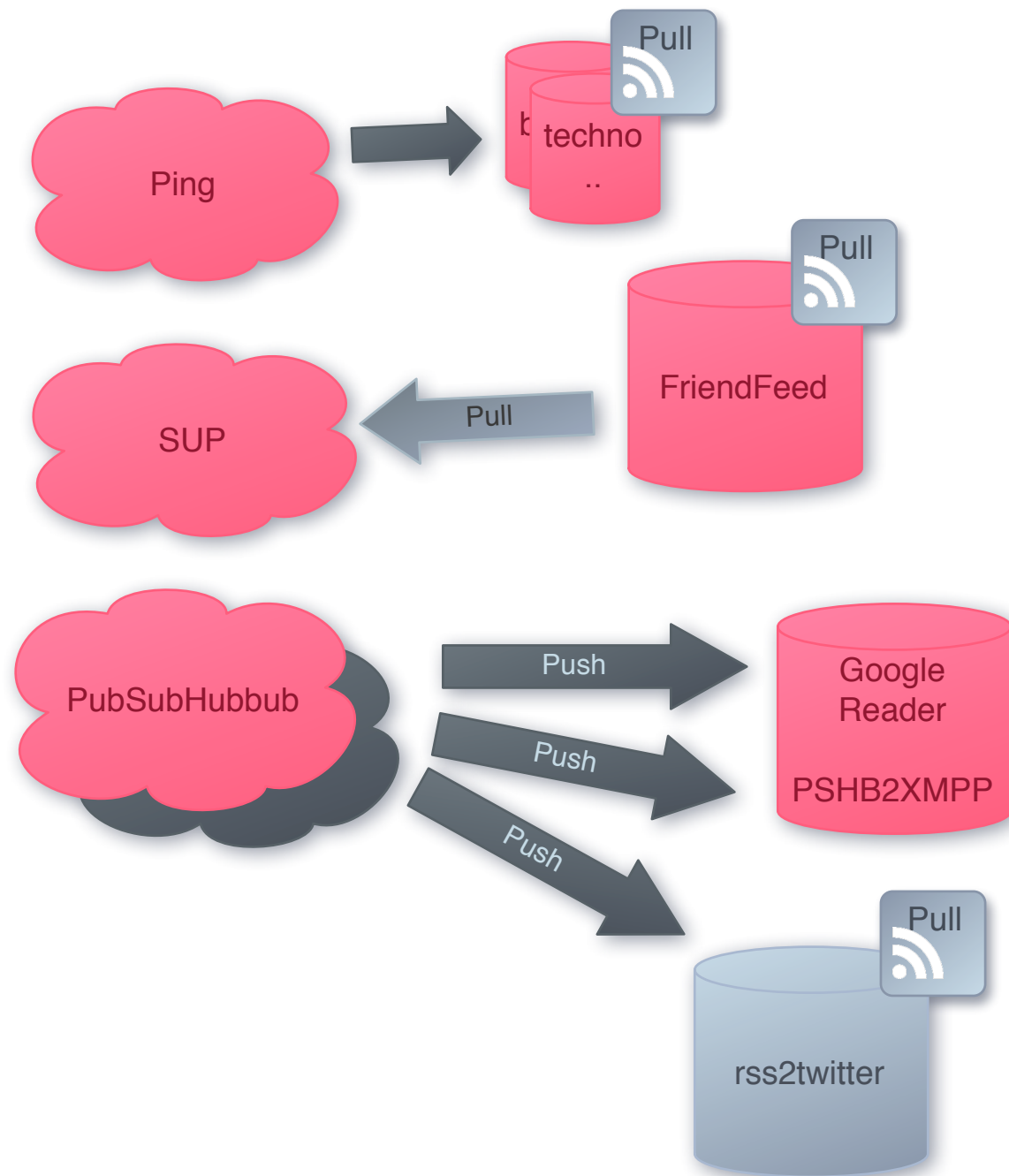
- » “Invented” by FriendFeed
- » Still Pull for Consumers
- » Privacy enabled
- » Compact
- » Well suited for large “providers” like flickr
- » Advertise via RSS Feed or HTTP Header

PubsubHubbub

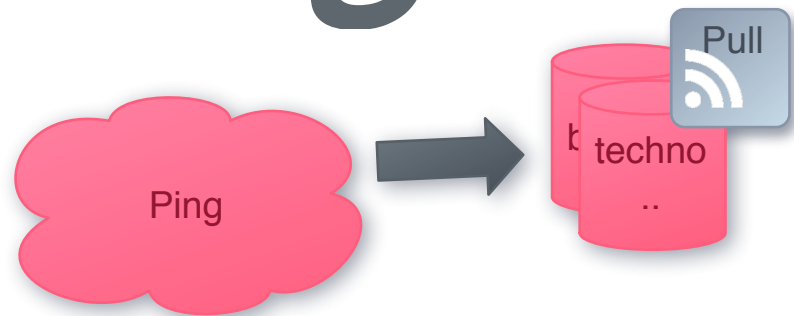


- » “Invented” by Google Employees
- » Pretty young
- » Push for all
- » Anyone can be a Hub
- » Advertise via RSS Feed
- » rssCloud is something similar

The Pushing Part

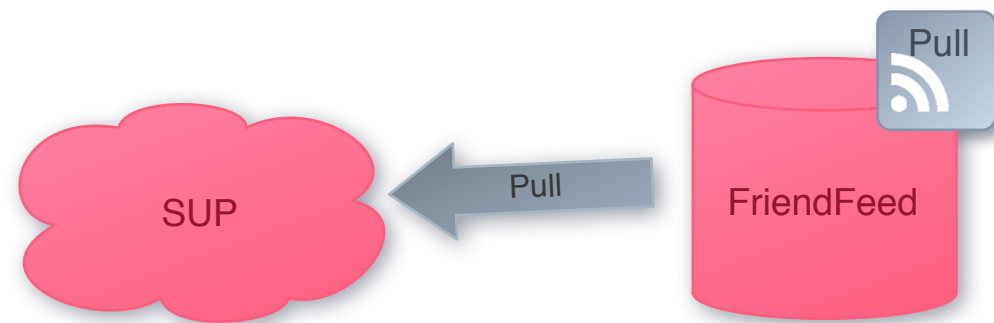


Ping



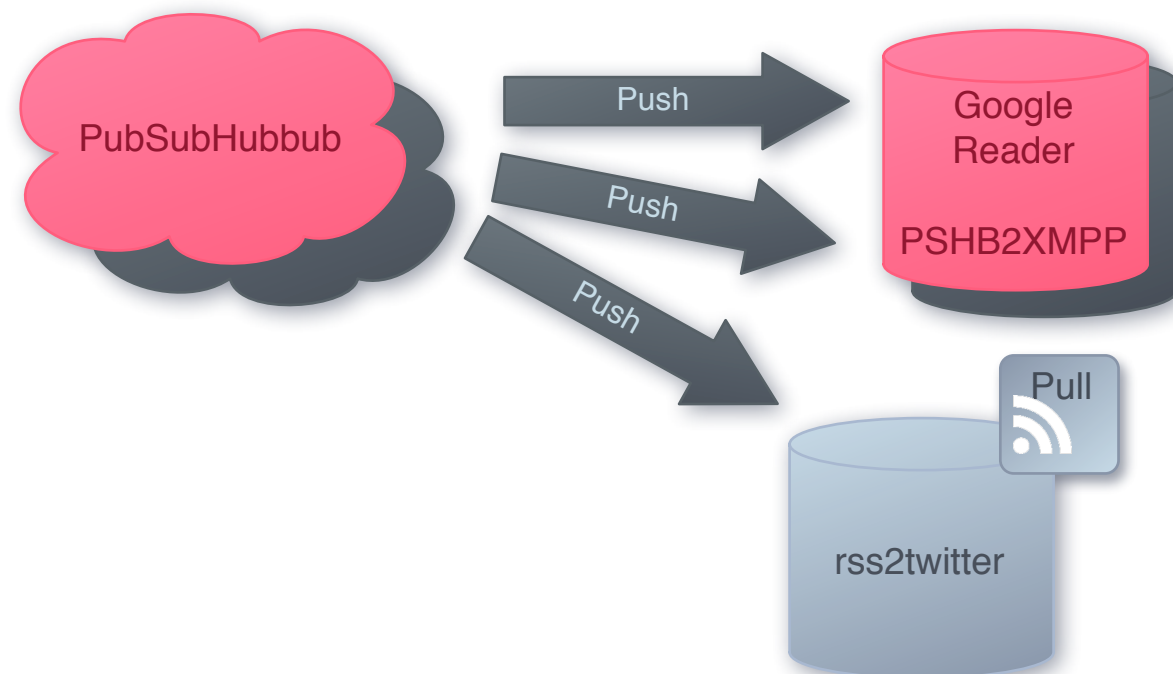
- » Mostly Pull for Consumers
- » Except you do it on your own
- » One large list

SUP



- » Pull the SUP Server
- » See if something is new
- » Pull RSS of Blog
- » Publish new entries

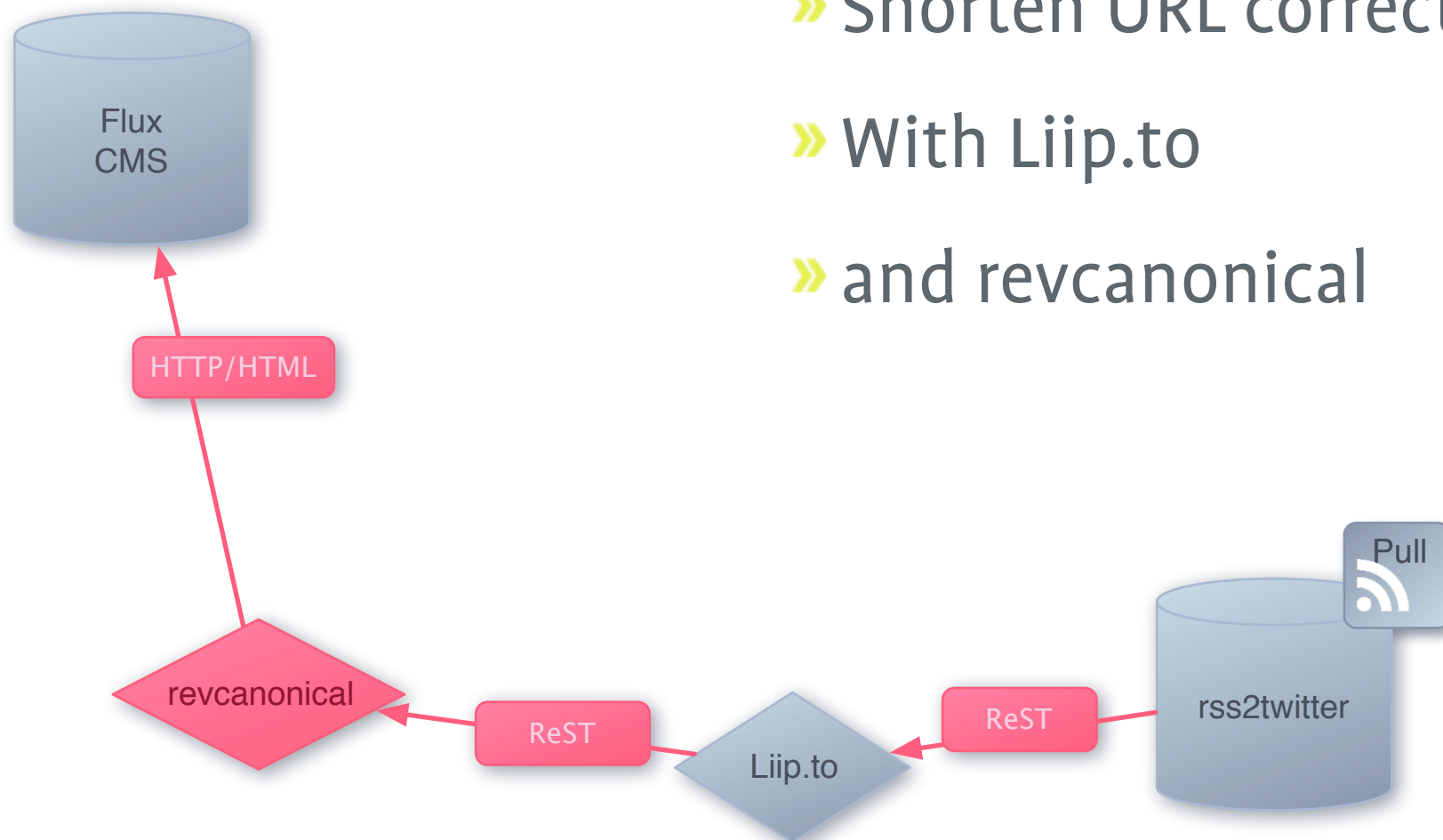
Pubsubhubbub



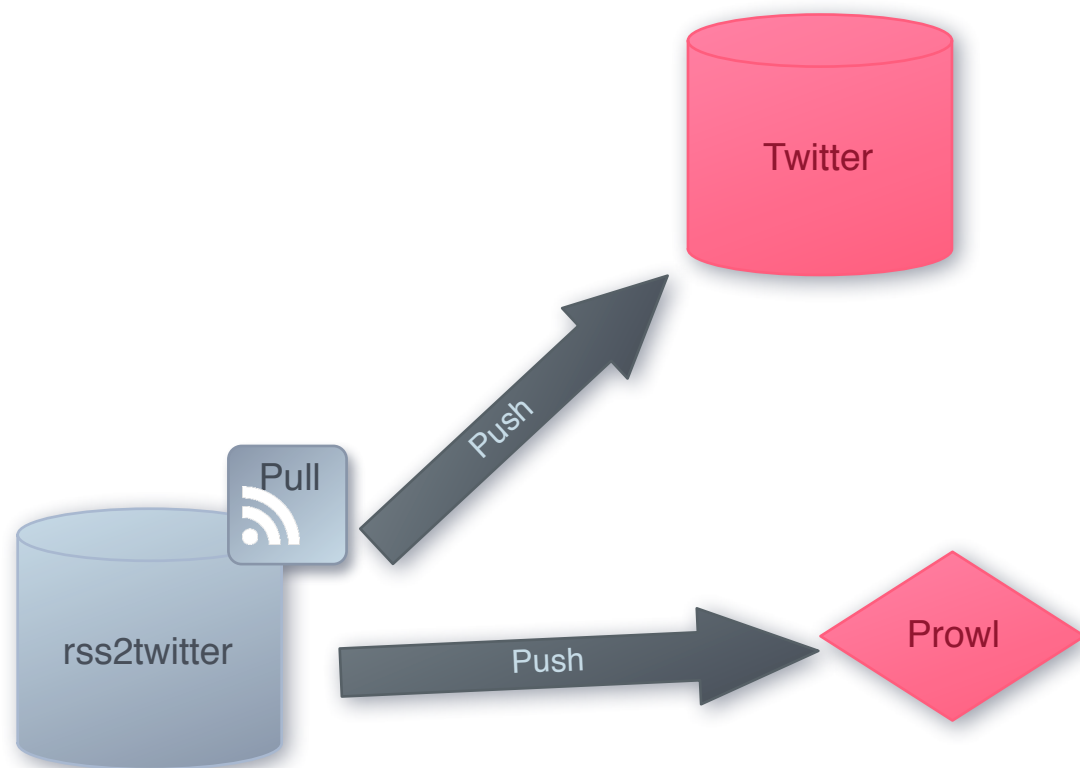
- » Push to the subscribers
- » Including Content
- » (Maybe) pull RSS of Blog
- » Publish new entries

RSS2Twitter

- » Shorten URL correctly
- » With Liip.to
- » and revcanonical

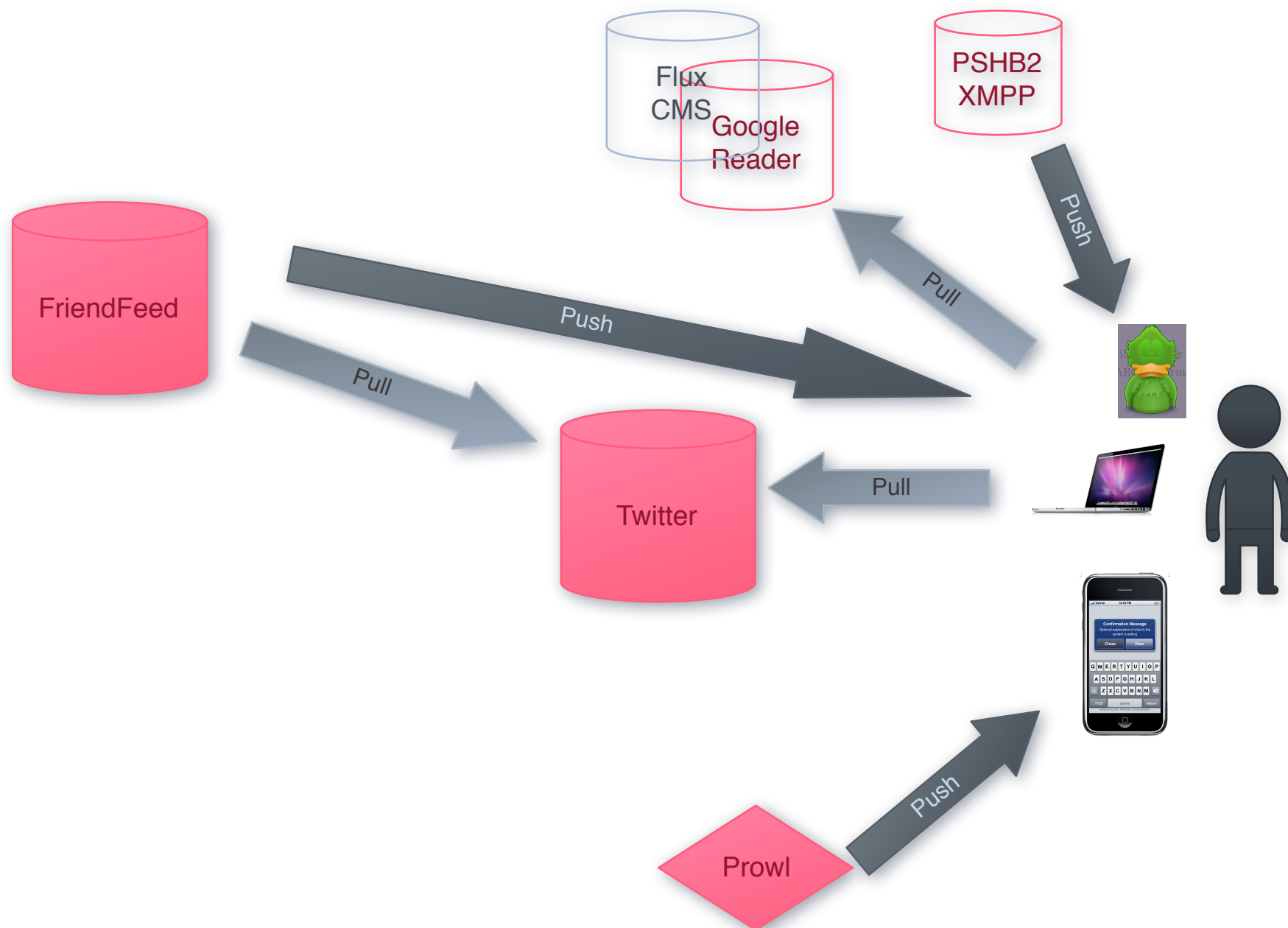


RSS2Twitter Pushing

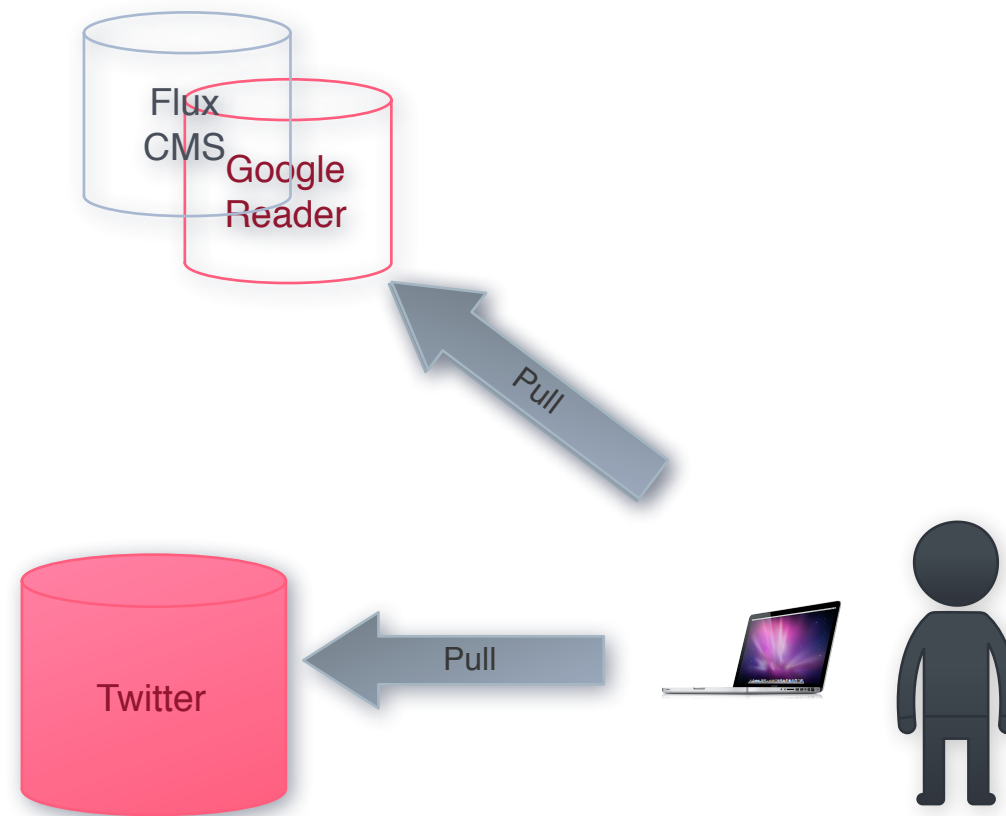


- » Can also Poll
- » Push to Twitter
- » Push to Prowl

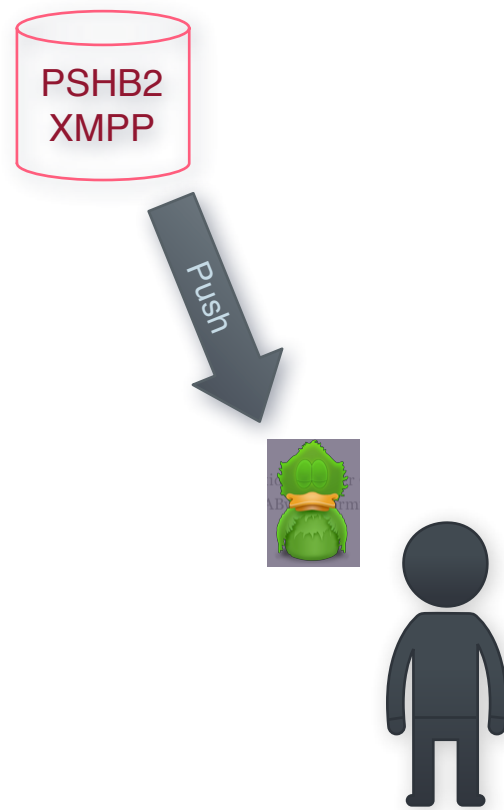
The Receiving Part



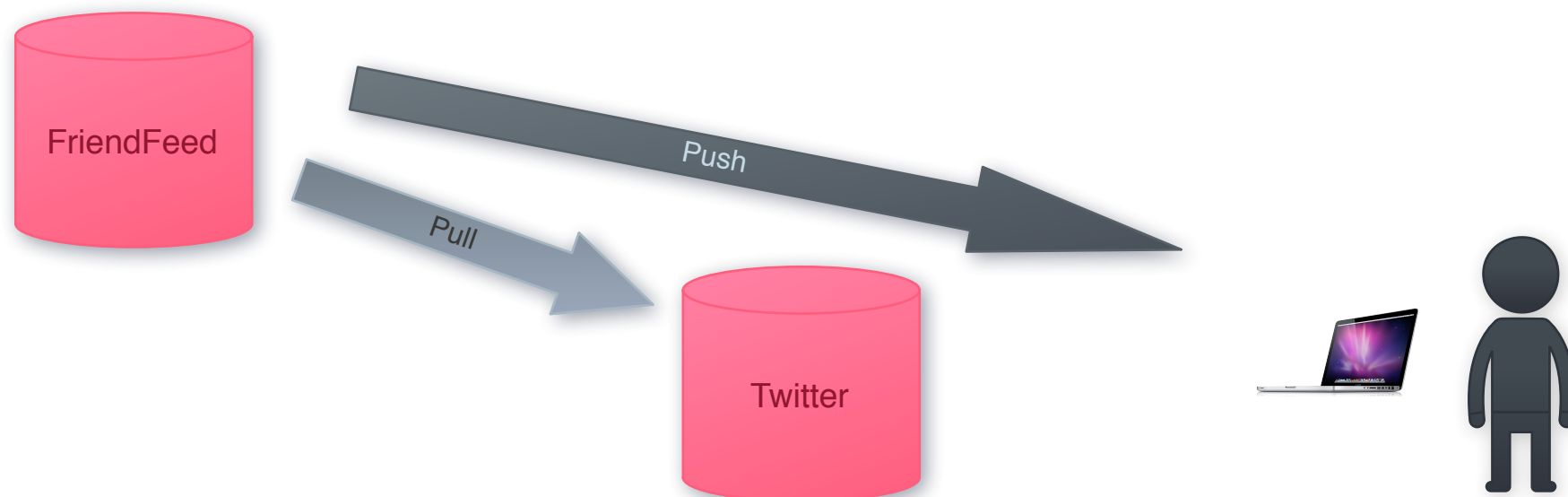
Traditional Pull



XMPP/Jabber



RealTime FriendFeed

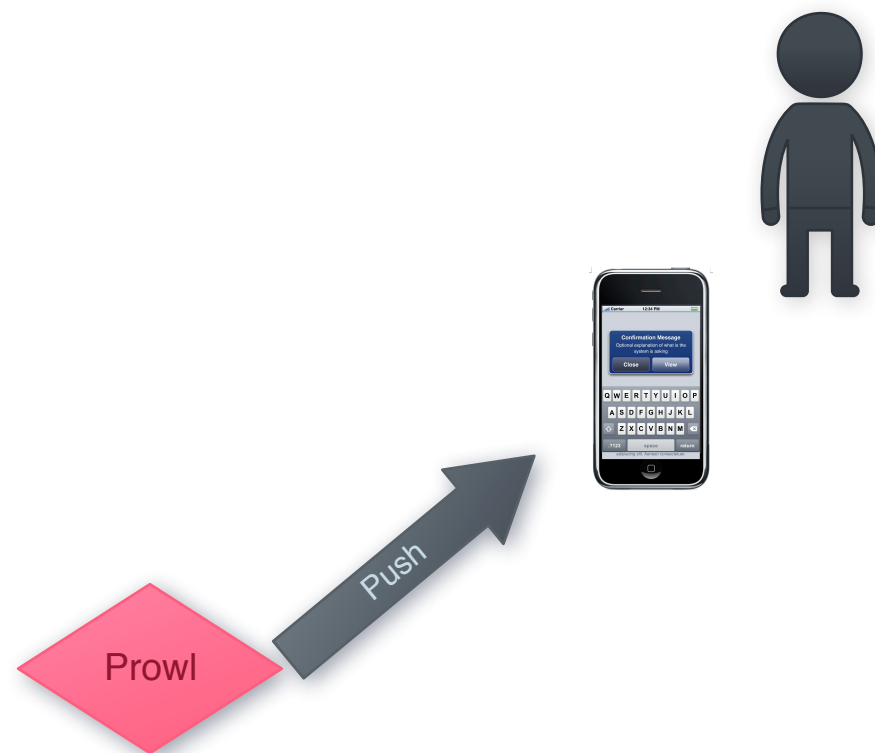


» “Comet”

» RealTime Updates in
Browser

» Pulls from many places

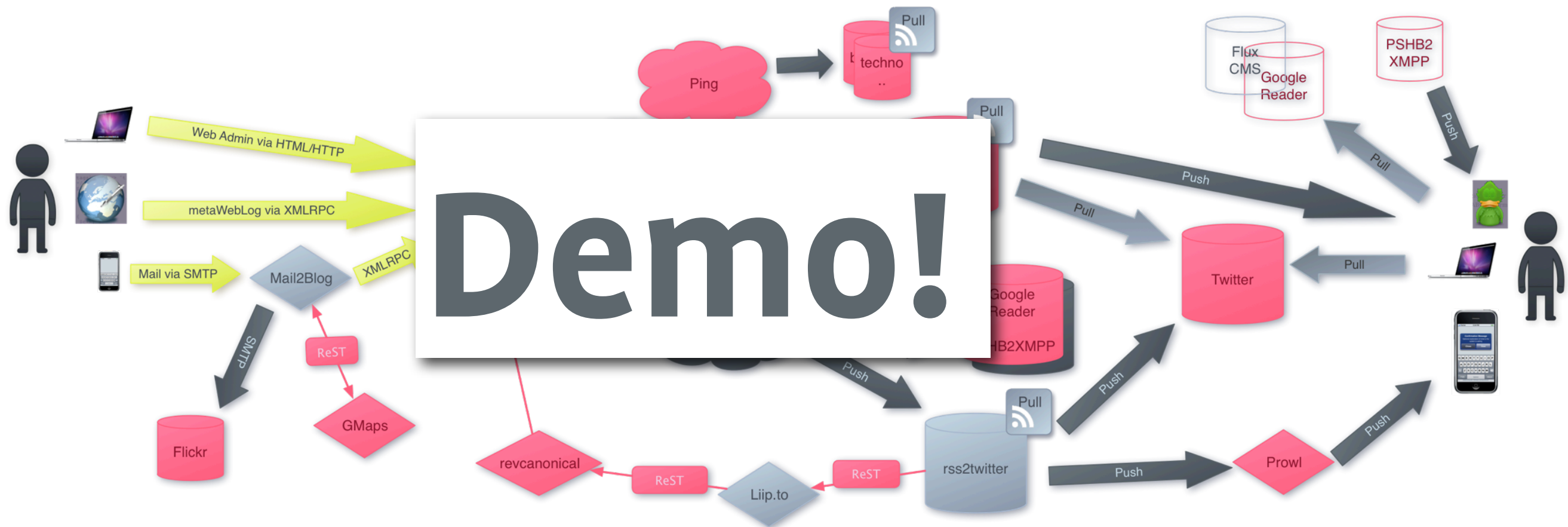
Prowl



» Pushes to iPhone

» Via HTTP Api

My Setup ...



Links

- » <http://www.weblogs.com/>
- » <http://code.google.com/p/simpleupdateprotocol/>
- » <http://code.google.com/p/pubsubhubbub/>
- » <http://pubsubhubbub.appspot.com/>
- » <http://rsscloud.org/>
- » <http://prowl.weks.net/>
- » <http://push-bot.appspot.com/>
- » <http://revcanonical.appspot.com/>
- » <http://github.com/chregu/rss2twi.php>
- » <http://svn.liip.ch/repos/public/misc/bxm2m/>