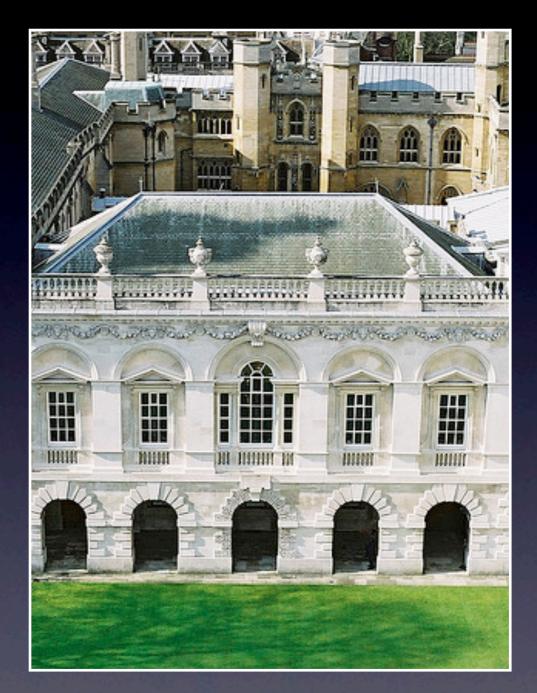
SSO and Identity Management: What we did

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The University of Cambridge

100+ departments32 colleges40,000 users

"A loose affiliation of warring fiefdoms"



Handy building blocks

- University Computing Service
 - that doesn't set policy
- User Administration Database
- Raven: Web Authentication system
 - including a Shibboleth IdP
- A 2008 UCS trial of Google Apps

What do we want?



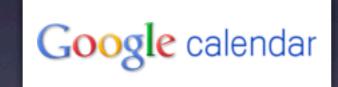
Perhaps other things, later...

General Plan

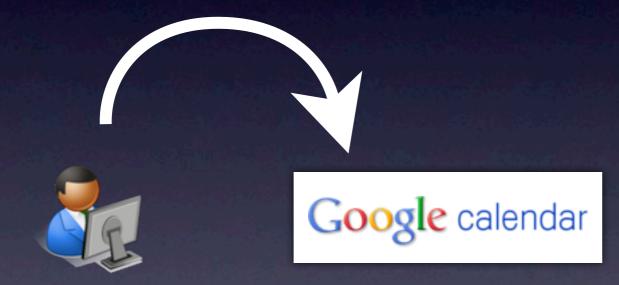
 Google Apps for Education • but just Calendar • Use cam.ac.uk domain Web SSO using Raven Automatically available to everyone Minimum ongoing staff involvement Rollout September, for October, 2010

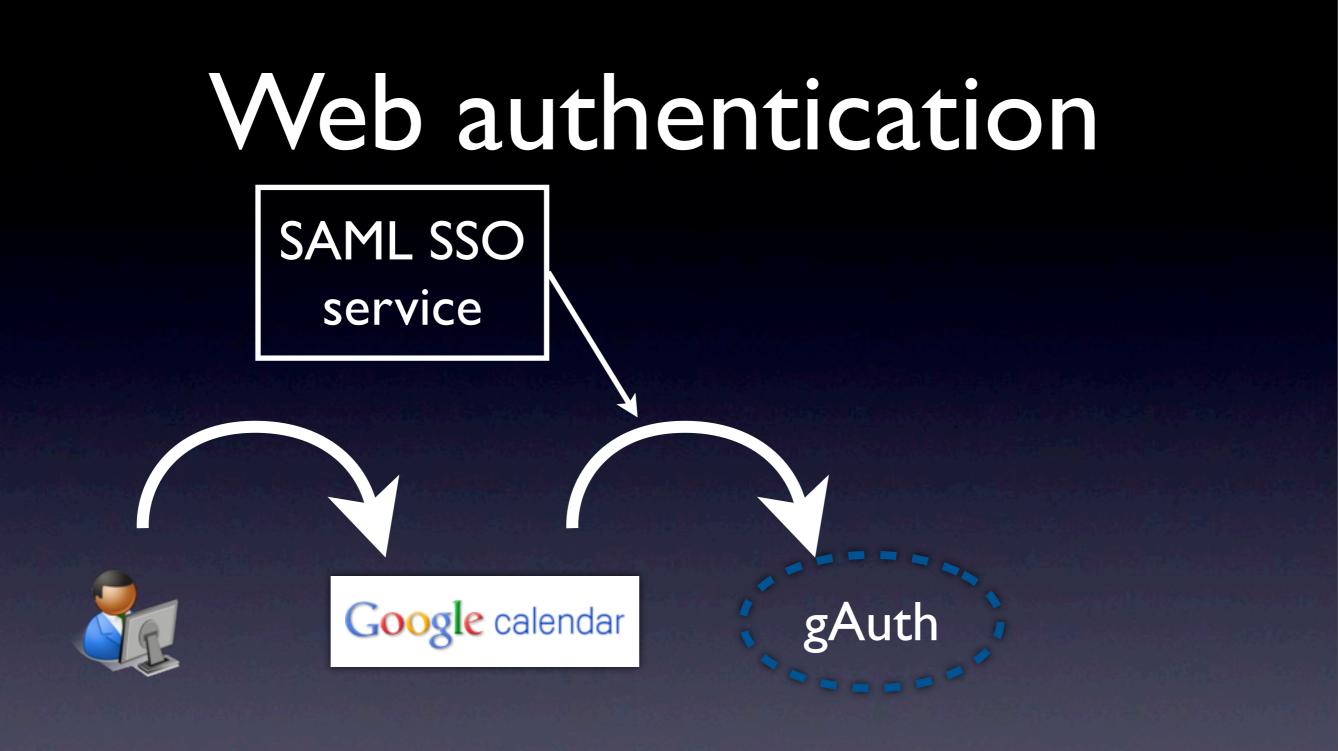
Web authentication

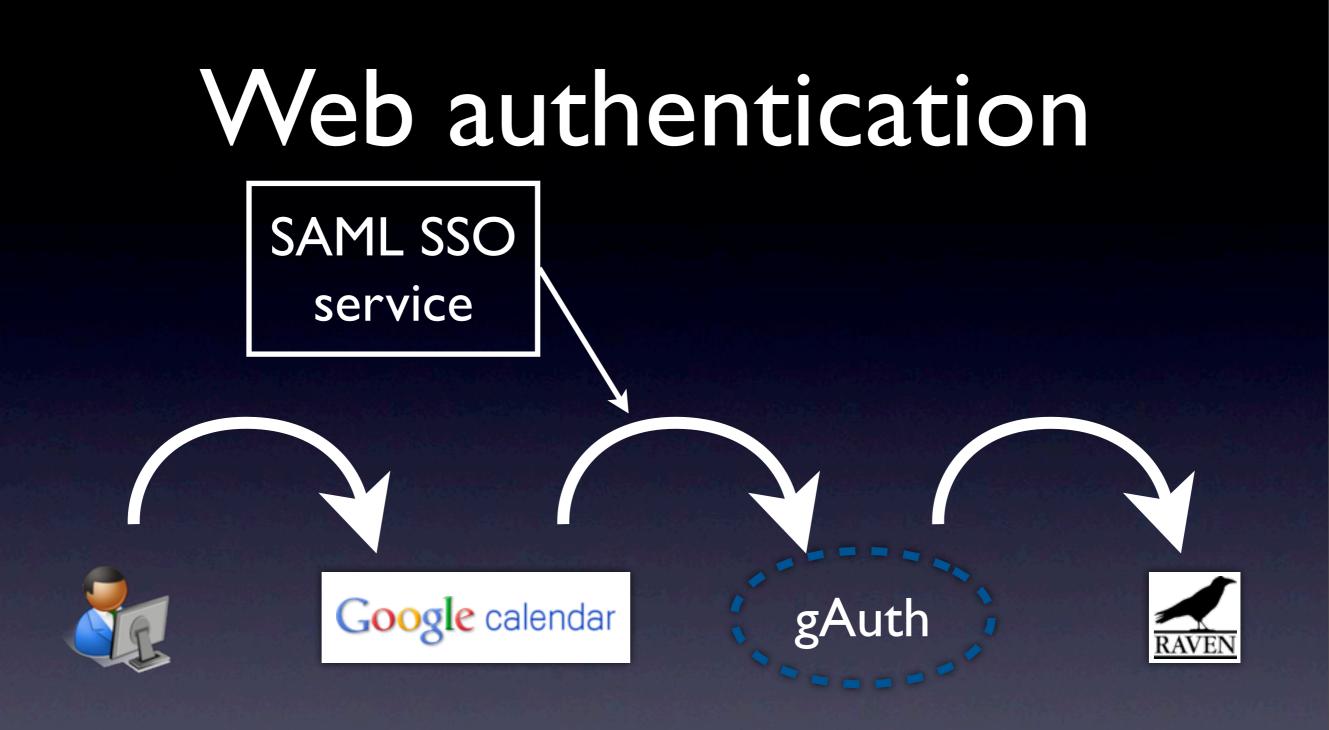


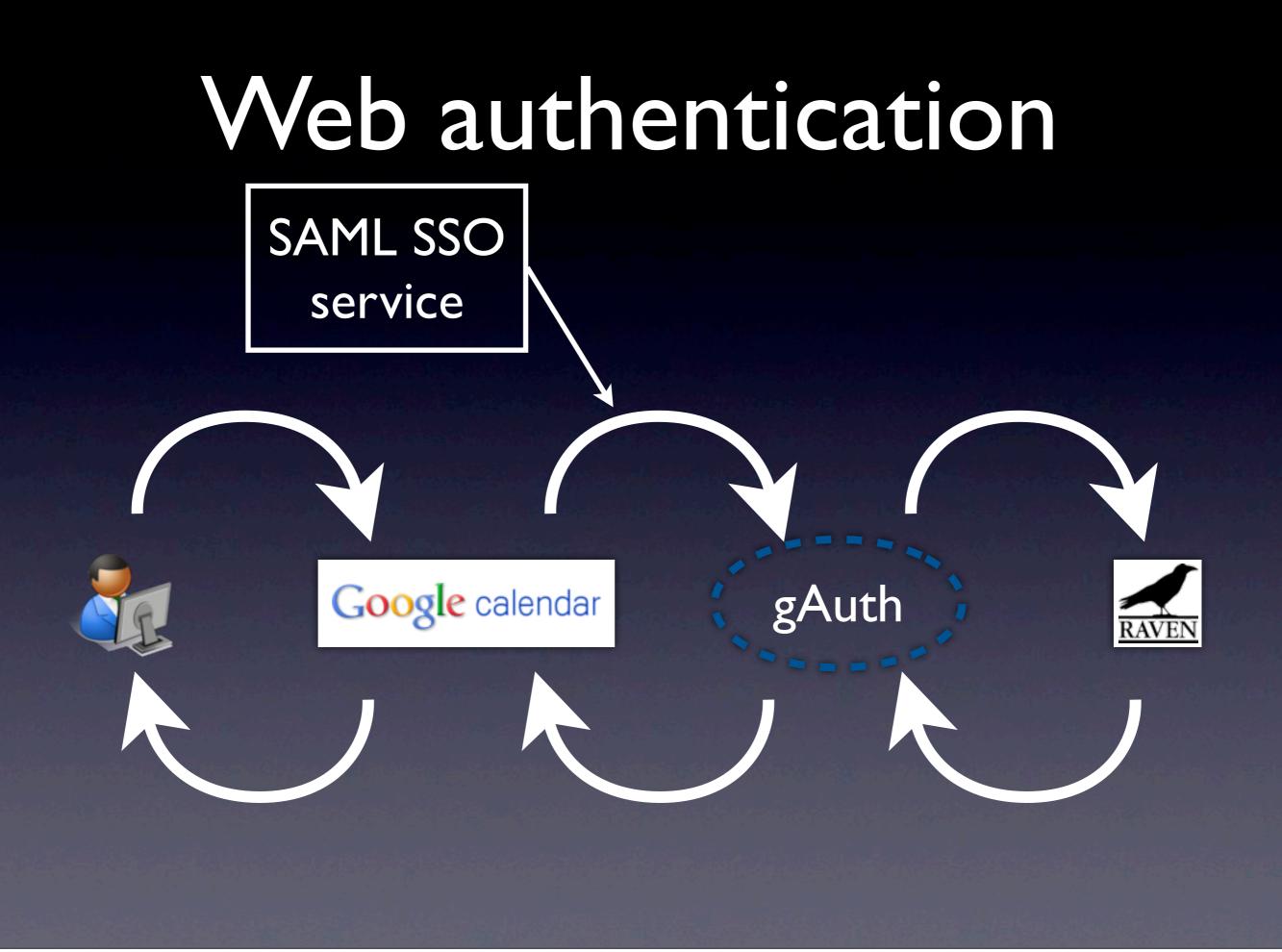


Web authentication









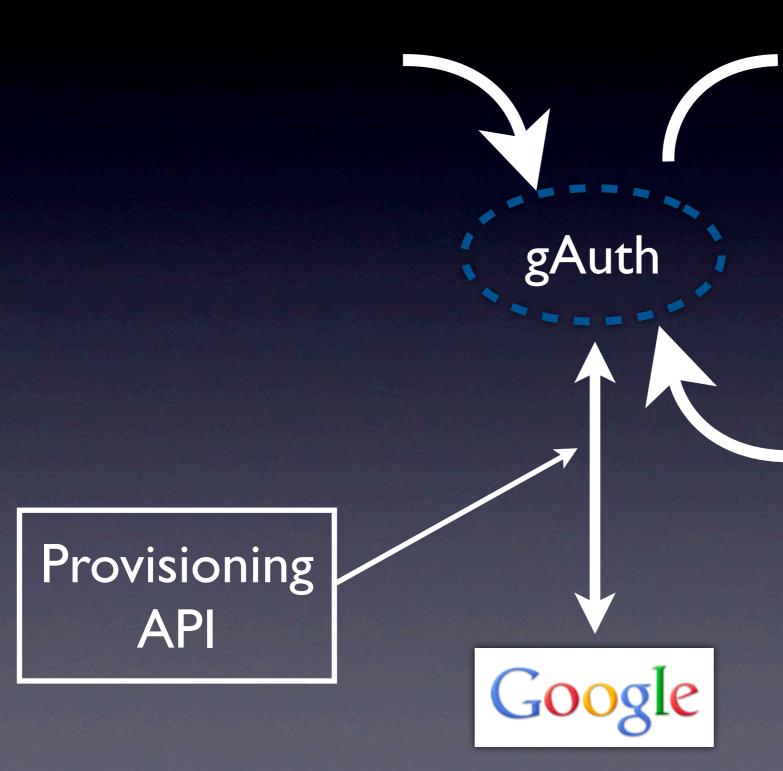


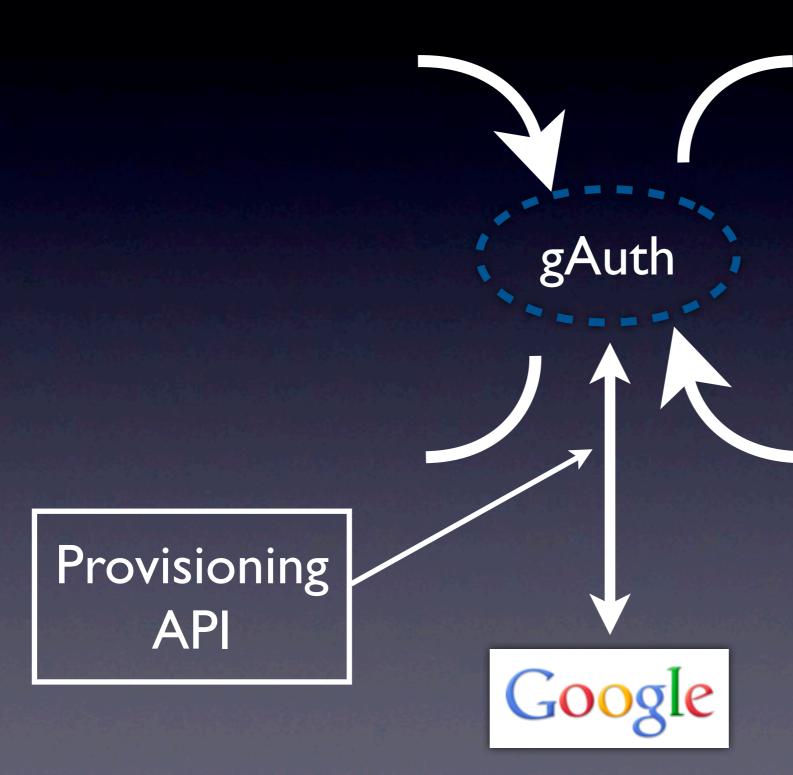
Based on Google example Java SAML code

- SAML, but not Shibboleth
- Java Webapp, runs in Tomcat
- Also displays T&Cs page, and email reminder first time through
- And some other things ...

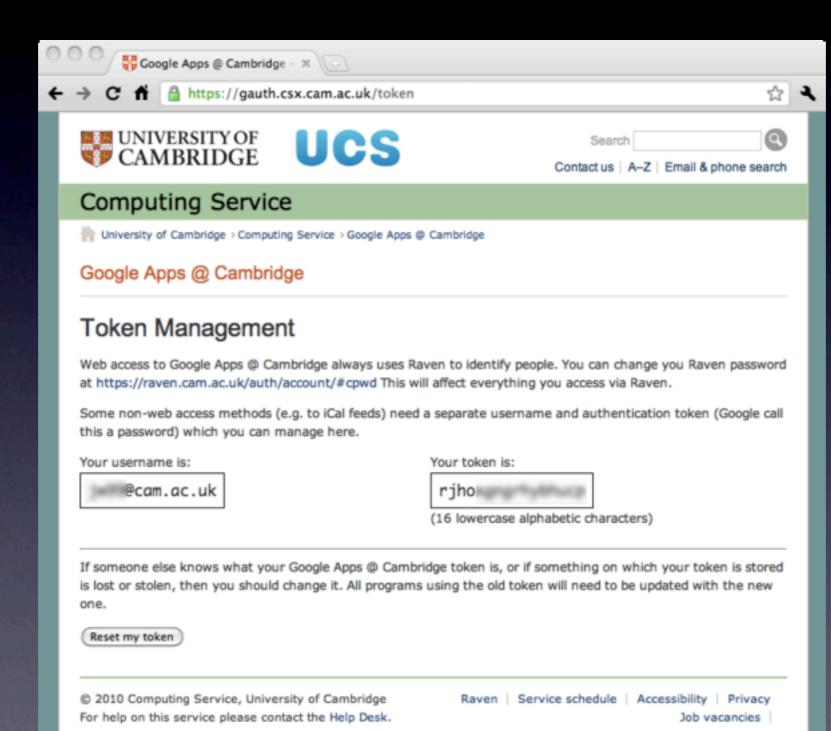


gAuth

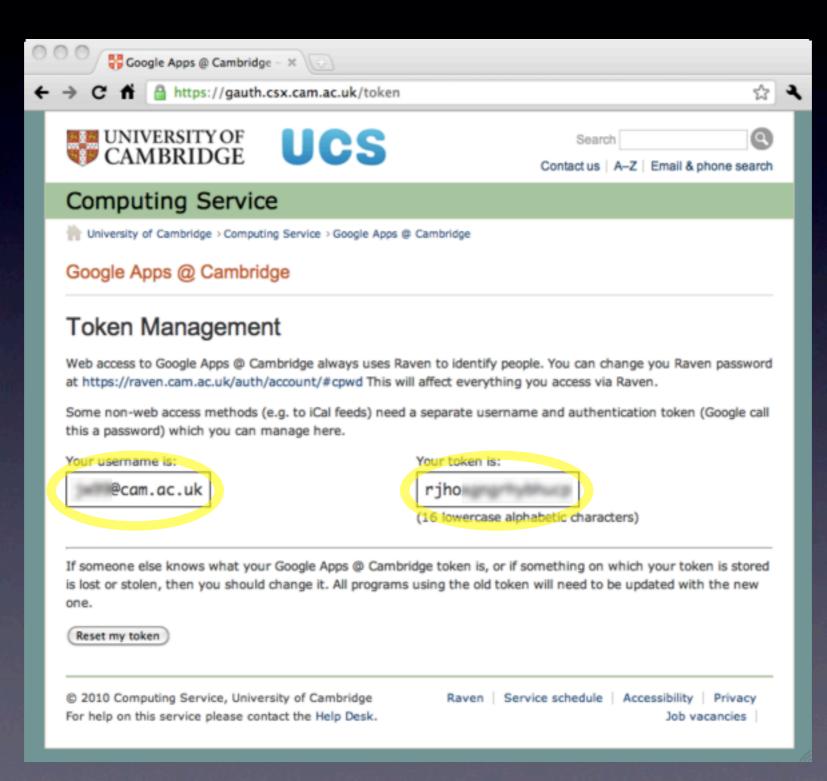




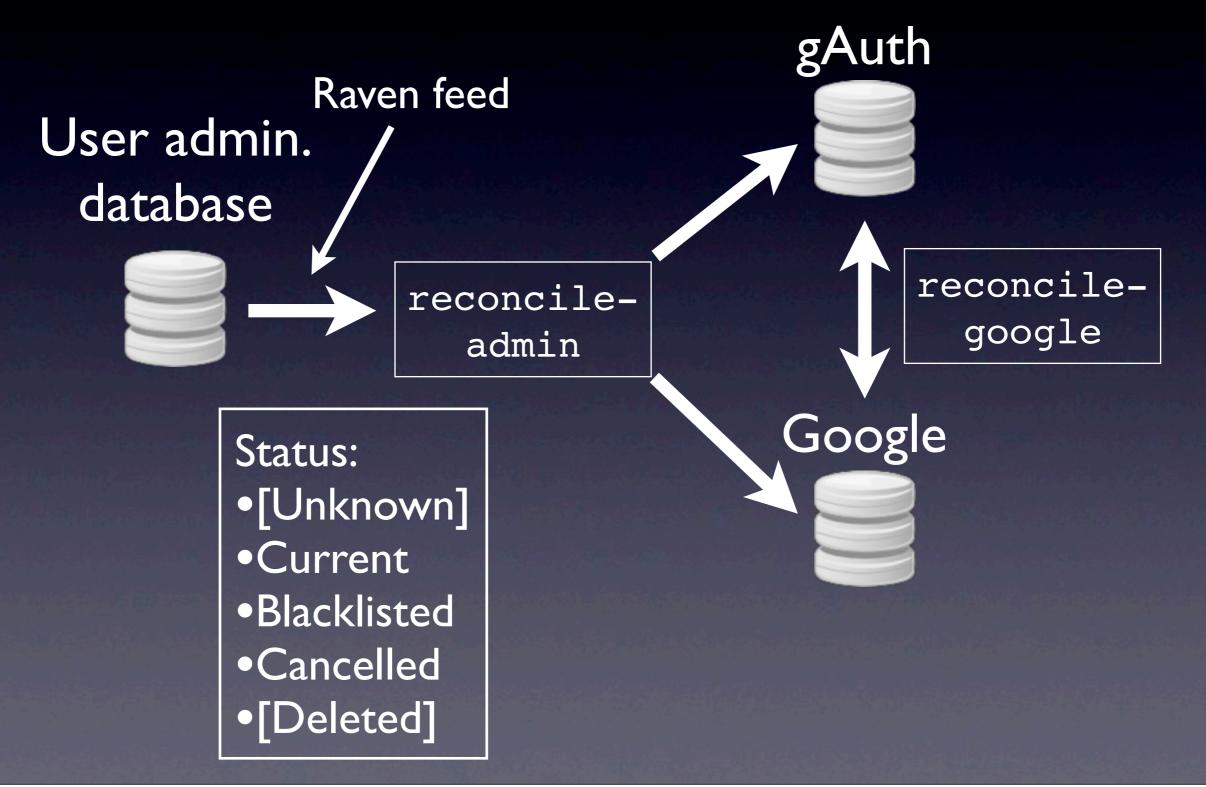
Non-web authentication



Non-web authentication



Account management

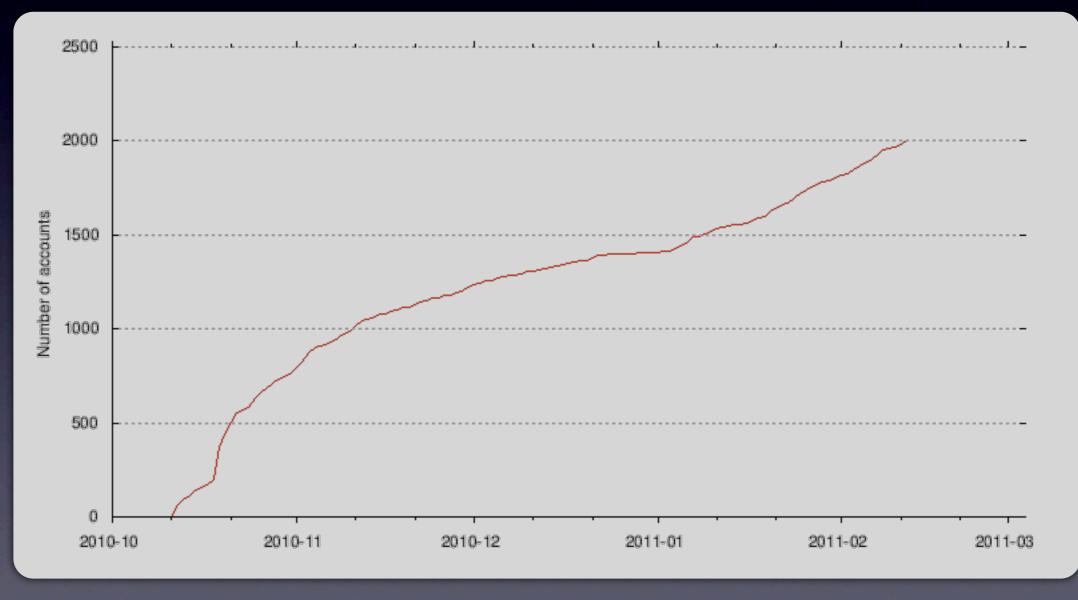


Implementation

- gAuth: Java webapp in Tomcat
- Batch processing: Java run by cron (!)
- (Live/stanby) pair of VMs on Xen cluster
- Local Postgress database; Slony I replication
- Manual service address transition

Deployed October 2010

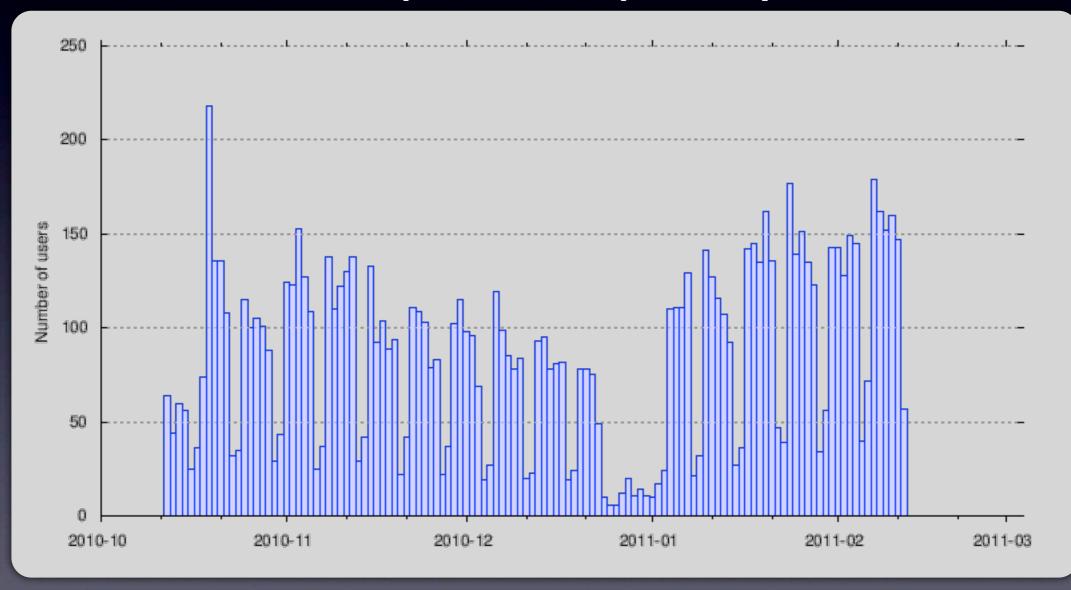
Number of Accounts



http://www-uxsup.csx.cam.ac.uk/~jw35/google-usage/

Deployed October 2010

Unique users per day



http://www-uxsup.csx.cam.ac.uk/~jw35/google-usage/

Plain sailing?

- Pre-existing cam.ac.uk domain
- Conflicting accounts
- 'g' 'o' 'o' 'g' 'l' 'e' not allowed in domain names
- iPhones
- Support. Don't forget the support

Any questions?

Any questions?

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