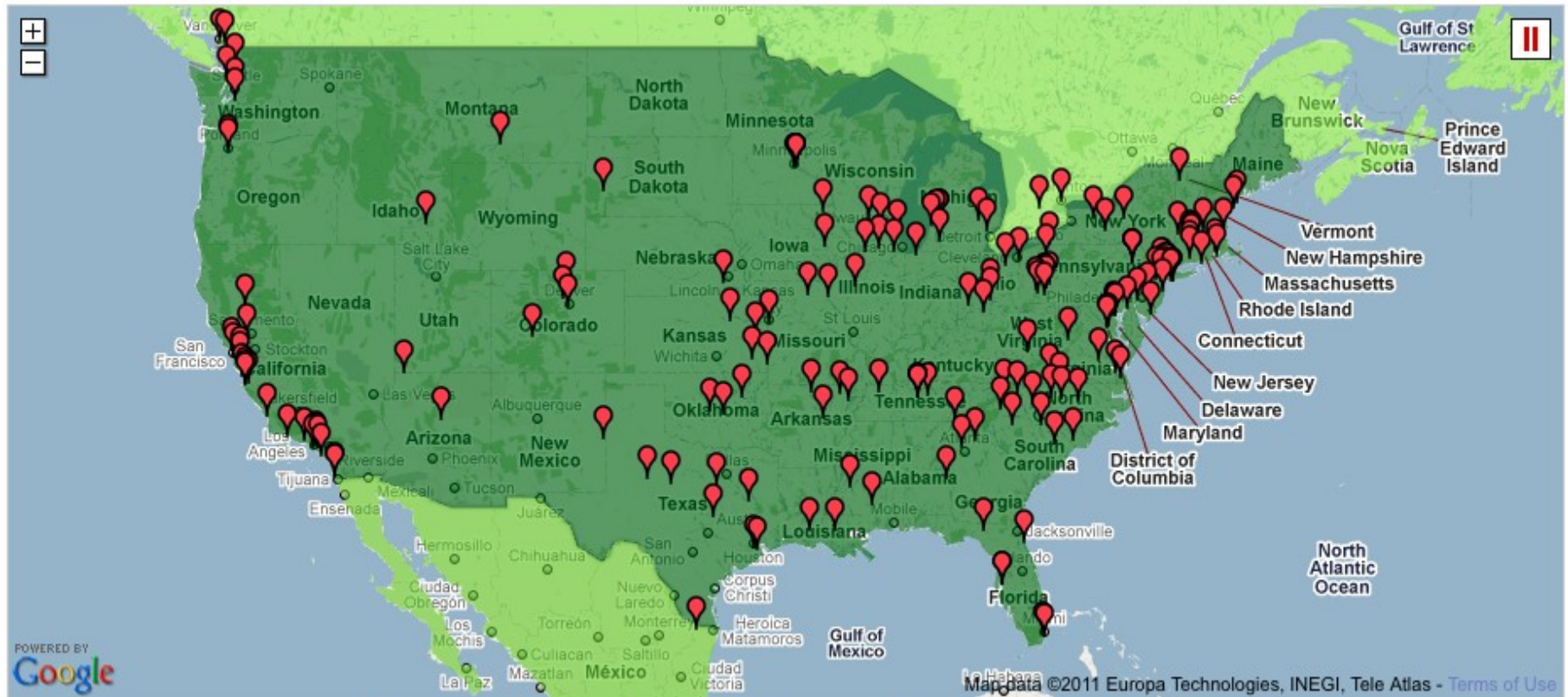


# Google Apps at Cambridge: a case study

Ruth Charles & Jon Warbrick

University Computing Service

# Google Apps for Education: US distribution



Google Apps for Education users by country: less than 10k 10k-50k 50k-250k 250k-3M+ 3M+

Image taken from <http://www.google.com/a/help/intl/en/edu/university.html>, © Google 2011.

# Google Apps for Education: European Distribution

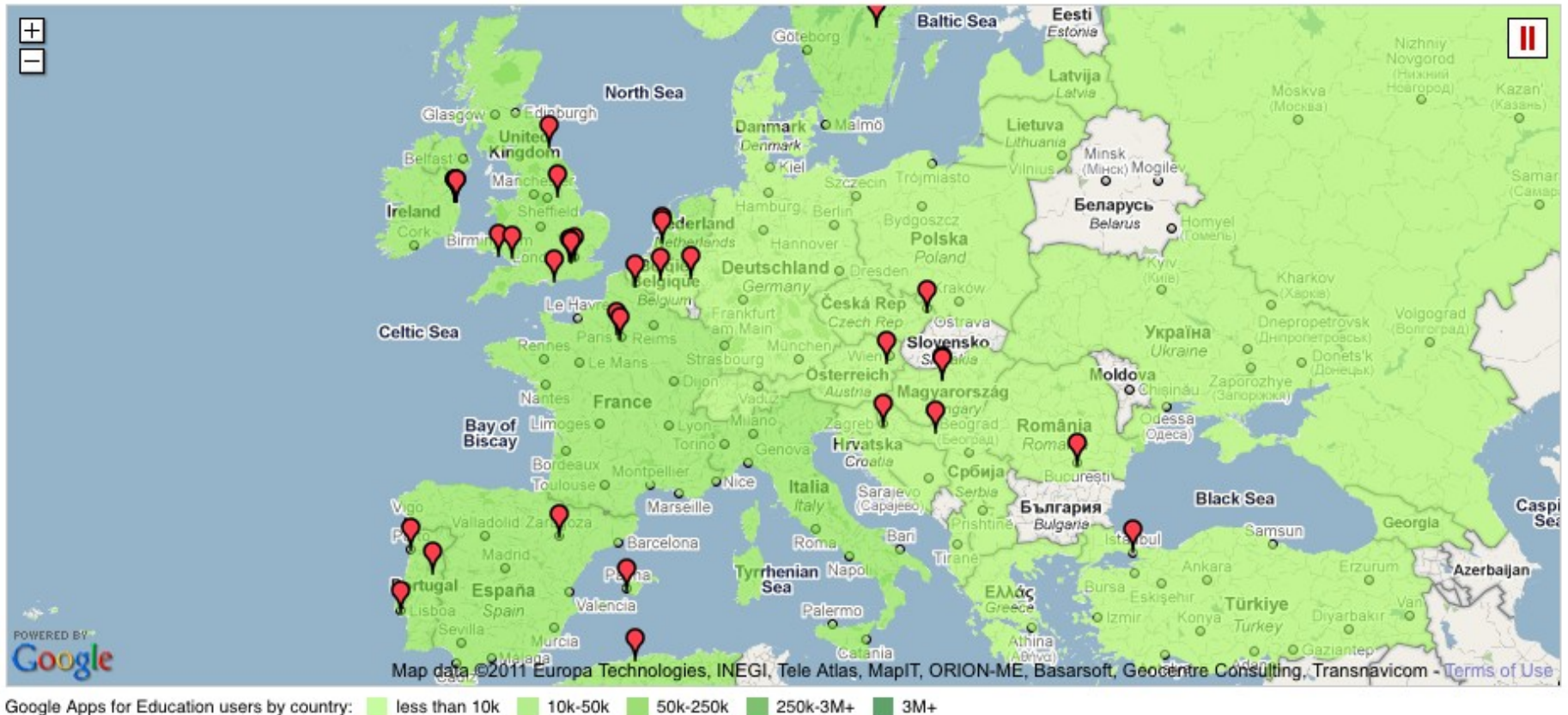
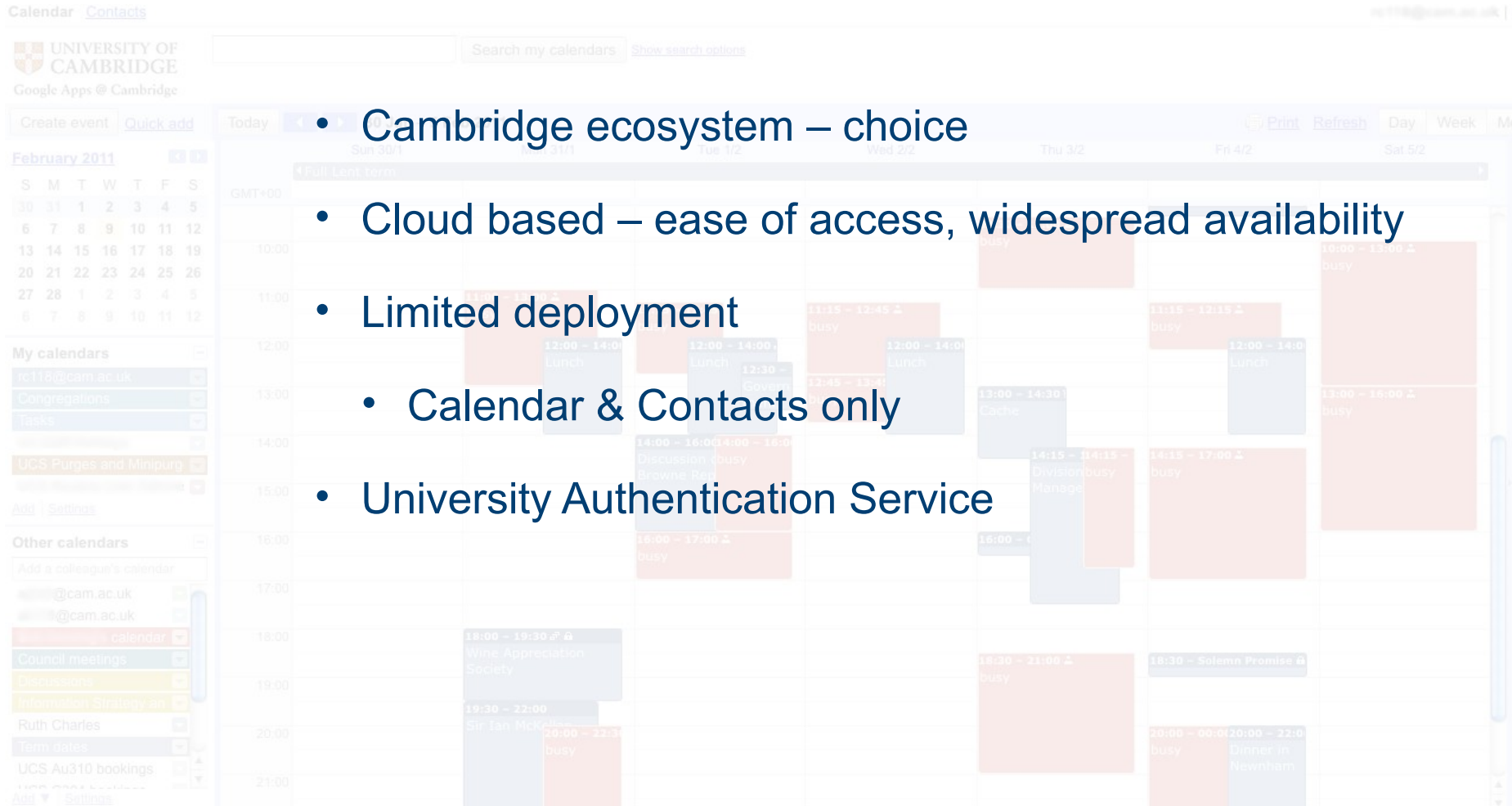


Image taken from <http://www.google.com/a/help/intl/en/edu/university.html>, © Google 2011.

# Google Apps @ Cambridge – what and why?



Calendar [Contacts](#)

UNIVERSITY OF CAMBRIDGE

Google Apps @ Cambridge

Create event [Quick add](#)

Today [Print](#) [Refresh](#) Day Week

February 2011

S M T W T F S

30 31 1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 1 2 3 4 5

6 7 8 9 10 11 12

My calendars

- rc118@cam.ac.uk
- Congregations
- Tasks
- UCS Purges and Minipurg

Other calendars

- calendar
- Council meetings
- Discussions
- Information Strategy an
- Ruth Charles
- Term dates
- UCS Au310 bookings

- Cambridge ecosystem – choice
- Cloud based – ease of access, widespread availability
- Limited deployment
  - Calendar & Contacts only
- University Authentication Service

# Privacy & Data Protection

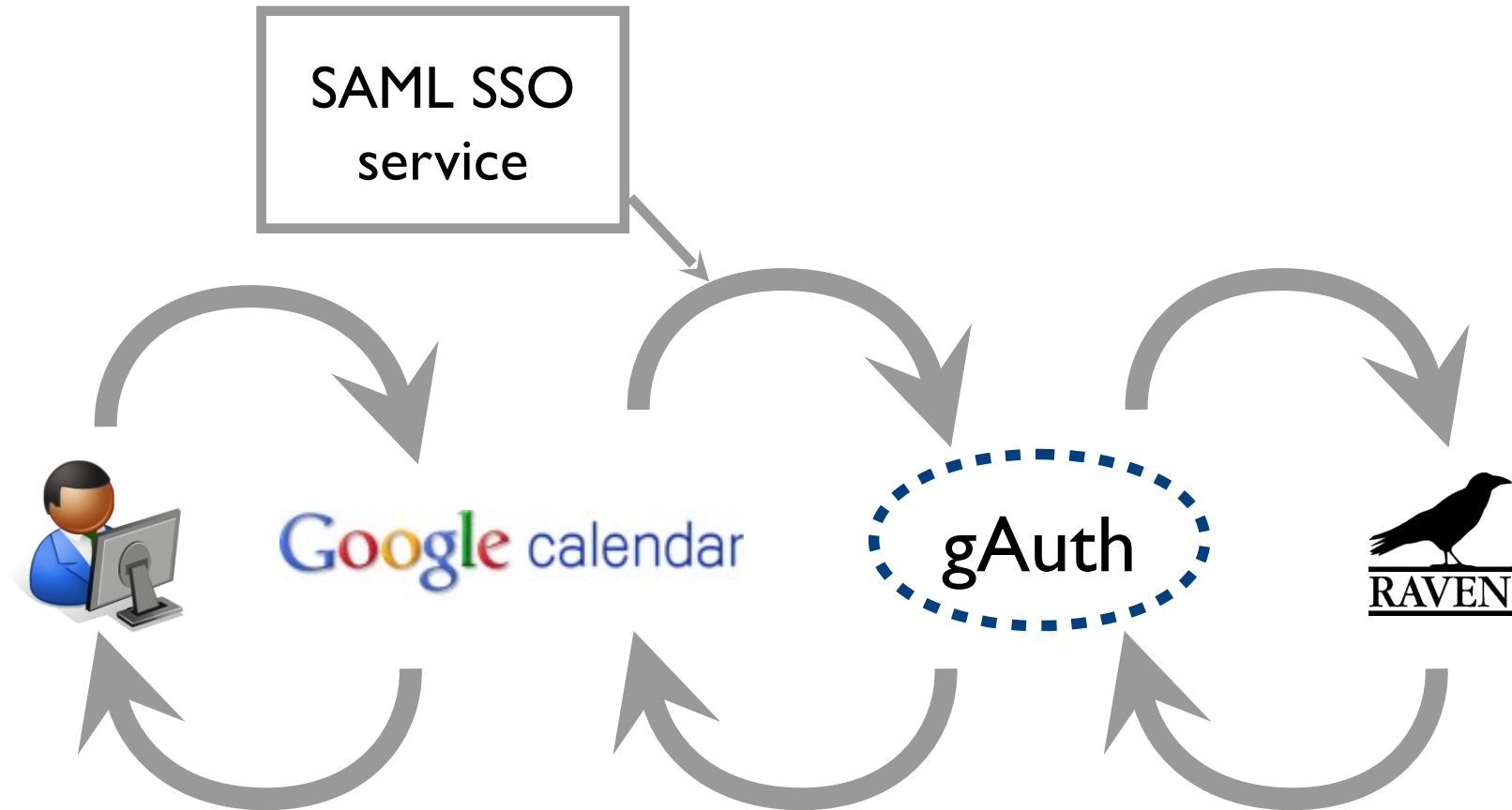
- Data Security – Data Controller must satisfy themselves on security & compliance
- Definition of Personal Data
- Data Transfer outside EEA – DPA 8<sup>th</sup> principle - Compliance with Safe Harbor principles
- User's Privacy & Data Processing – DPA 7<sup>th</sup> principle:
  - Use of customer data only in connection with provision of service
  - Measures against unauthorised access
- postmaster@ & abuse@ addresses

# Google Apps @ Cambridge

- Google Apps @ Cambridge contract available online:

<http://www.cam.ac.uk/cs/googleapps/google-apps-cambridge-contract.pdf>

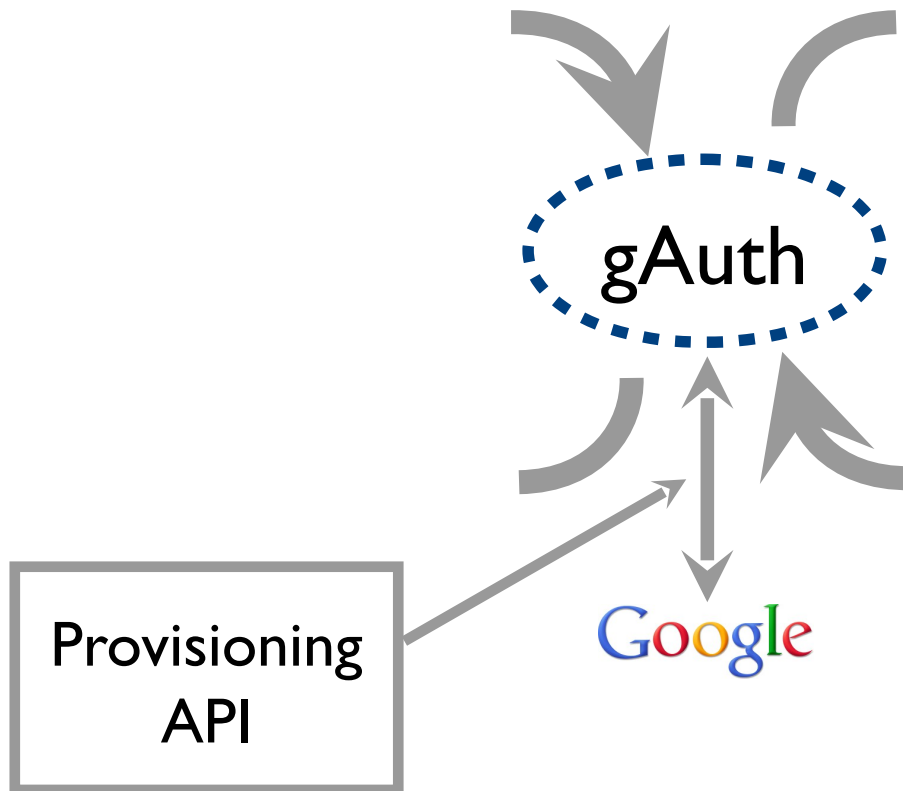
# Web Authentication



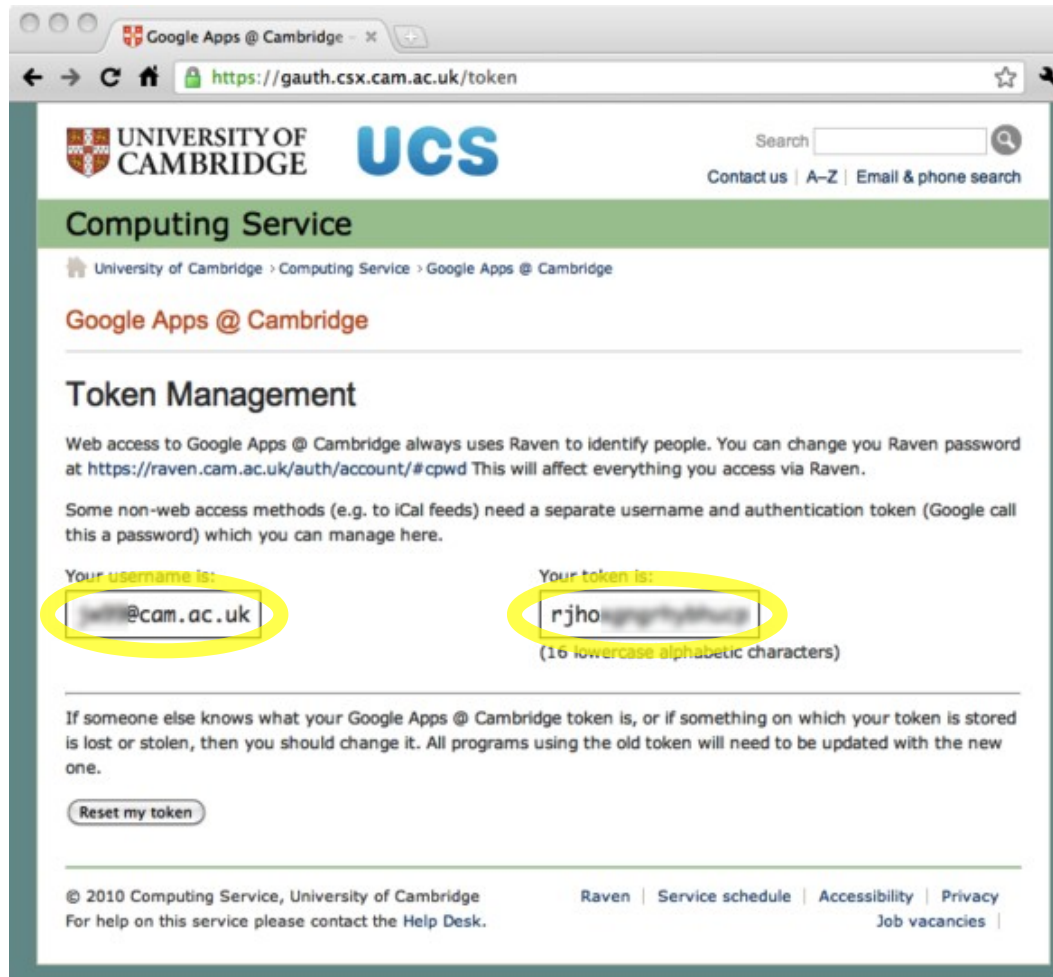
# gAuth

- Based on Google example Java SAML code
  - SAML (but not Shibboleth)
- Java Webapp, runs in Tomcat
- Also displays local T&Cs page
- And some other things...

# Account Creation



# Non-web authentication



Google Apps @ Cambridge

https://gauth.csx.cam.ac.uk/token

UNIVERSITY OF CAMBRIDGE UCS

Search [input] [magnifying glass]

Contact us | A-Z | Email & phone search

## Computing Service

University of Cambridge > Computing Service > Google Apps @ Cambridge

### Google Apps @ Cambridge

## Token Management

Web access to Google Apps @ Cambridge always uses Raven to identify people. You can change you Raven password at <https://raven.cam.ac.uk/auth/account/#cpwd> This will affect everything you access via Raven.

Some non-web access methods (e.g. to iCal feeds) need a separate username and authentication token (Google call this a password) which you can manage here.

Your username is:

Your token is:  (16 lowercase alphabetic characters)

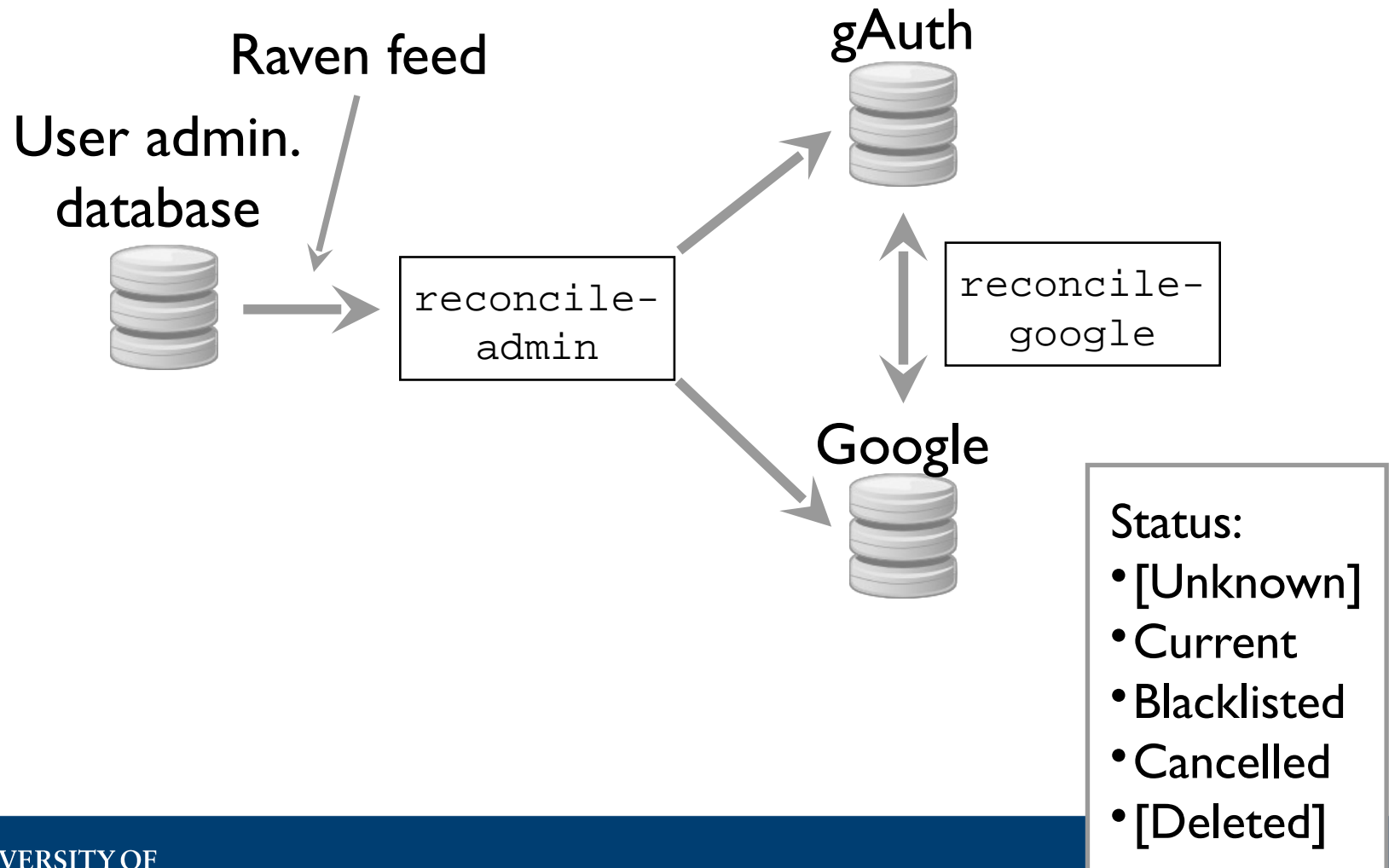
If someone else knows what your Google Apps @ Cambridge token is, or if something on which your token is stored is lost or stolen, then you should change it. All programs using the old token will need to be updated with the new one.

[Reset my token](#)

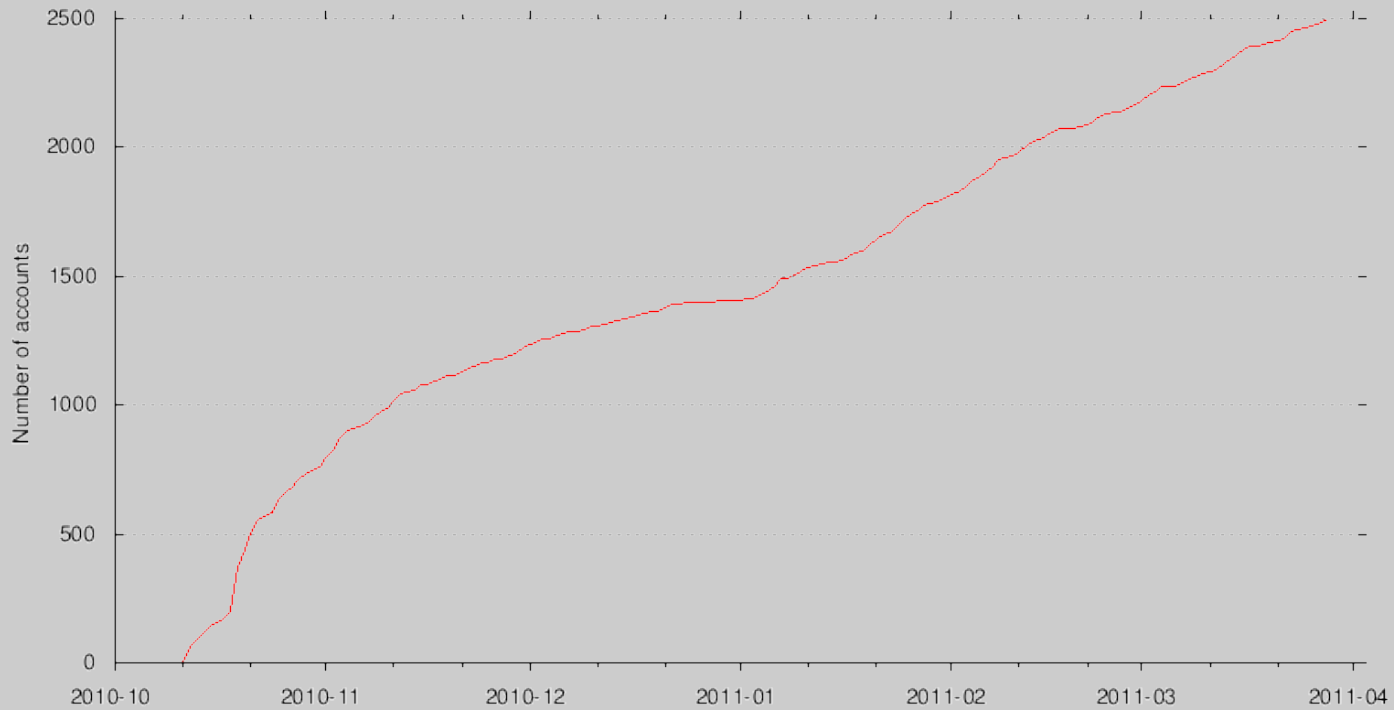
© 2010 Computing Service, University of Cambridge  
For help on this service please contact the Help Desk.

[Raven](#) | [Service schedule](#) | [Accessibility](#) | [Privacy](#)  
[Job vacancies](#)

# Account management

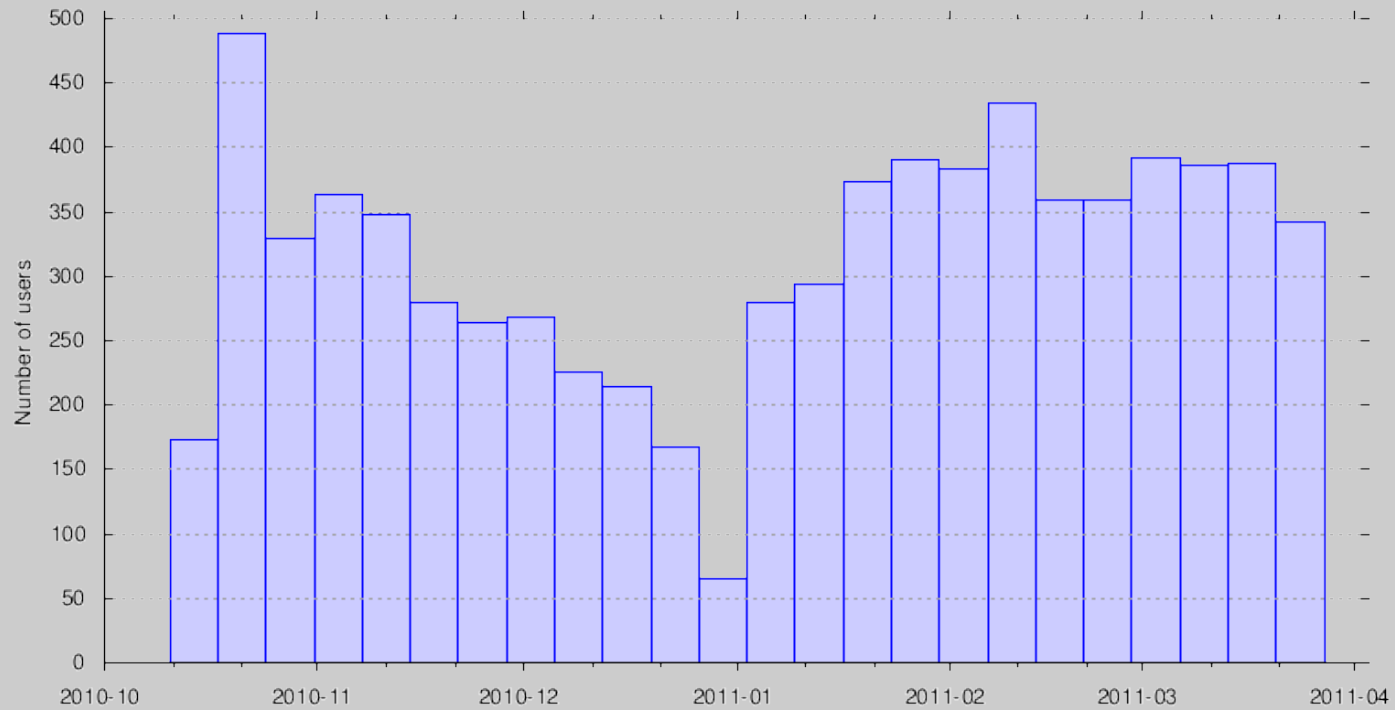


# Number of accounts



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

# Number of people/week



<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
- Desktop and mobile sync, iPhones and things
- Support - don't forget the support

Any questions?