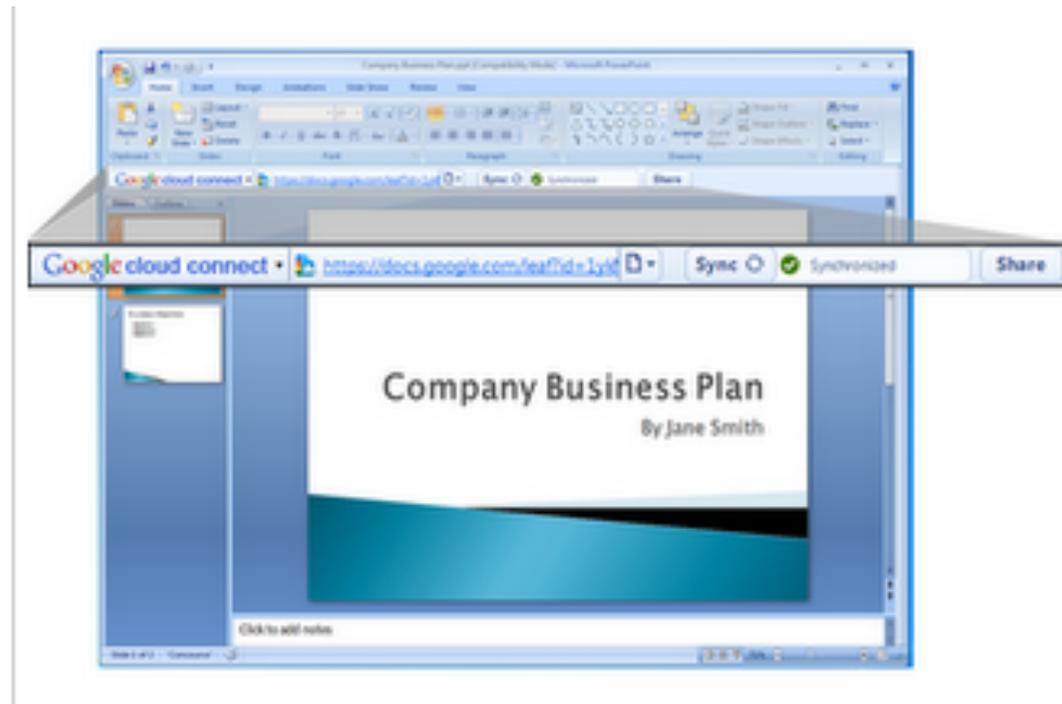
The background features a dark blue horizontal band across the middle. Above and below this band are several thick, flowing lines in shades of grey, yellow, and blue. On the right side, these lines become more complex and intertwined, with the addition of red and green lines, creating a sense of dynamic movement and connectivity.

Google Apps Overview

Ryerson



Google Cloud Connect



Google Apps for Education Mission



Bring the promise of cloud computing to millions of students, faculty, and staff around the world

More than ~~8 million~~

~~9 million~~

10 million students have gone Google.

The image features a central horizontal band of dark blue. Overlaid on this band and extending across the entire page are several thick, flowing lines in various colors: grey, yellow, blue, red, green, and orange. These lines curve and swirl, creating a dynamic, abstract background. The text 'Benefits of Google Apps' is centered within the blue band in a yellow, sans-serif font.

Benefits of Google Apps

Benefits of Google Apps



- 1** Best tools for students, faculty and staff
- 2** More reliable and secure
- 3** Most innovative collaboration platform

Best Tools for Higher Education



Gmail *Huge inbox with search: keep and find everything.*



Talk *Instant messaging and Video Chat as easy as email.*



Groups *Let students easily create groups and work in teams.*



Calendar *Make sharing calendars and schedules easy.*



Docs *Makes collaborating as easy as creating.*



Sites *Allow students to manage their own sites.*



Postini *Security and compliance solutions.*

Google Apps for Education

- Free for all your users
- No ads for students, faculty, and staff
- 7.4GB (and growing) mail quotas
- Your domain name (student@ryerson.ca)
- 24x7 administrator support
- Advanced integration capabilities
- Works with 50+ Google services (Blogger, Picasa, Voice)



Benefits of Google Apps



- 1** Best tools for students, faculty and staff
- 2** **More reliable and secure**
- 3** Most innovative collaboration platform

There's no 100% Security: Where's the best place for my data?



Company Servers

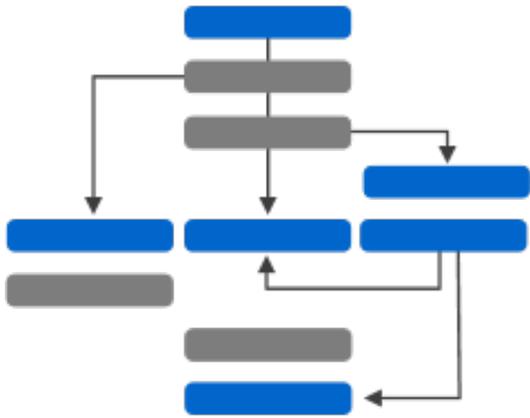


In the Cloud

Why is Security so Tough?



Data Problem: Users want to access their data anytime, from anywhere



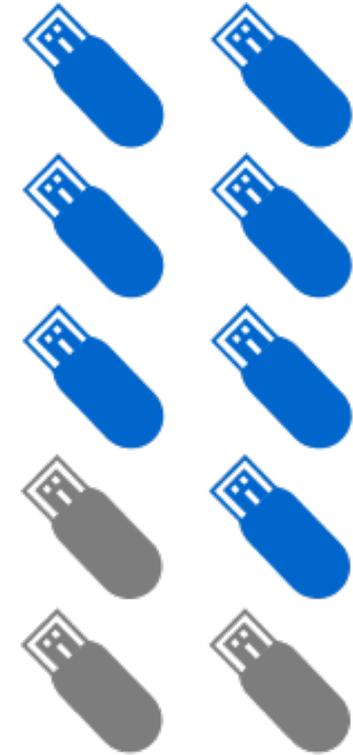
60%

of enterprise data resides unprotected on PC desktops and laptops



1-out-of-10

laptop computers will be stolen within 12 months of purchase



66%

of USB thumb drive owners report losing them, over 60% with private enterprise data on them

Why is Security so Tough?



Patching Problem



Universities have multiple operating systems, each with different versions



Different applications and different security patches for different applications



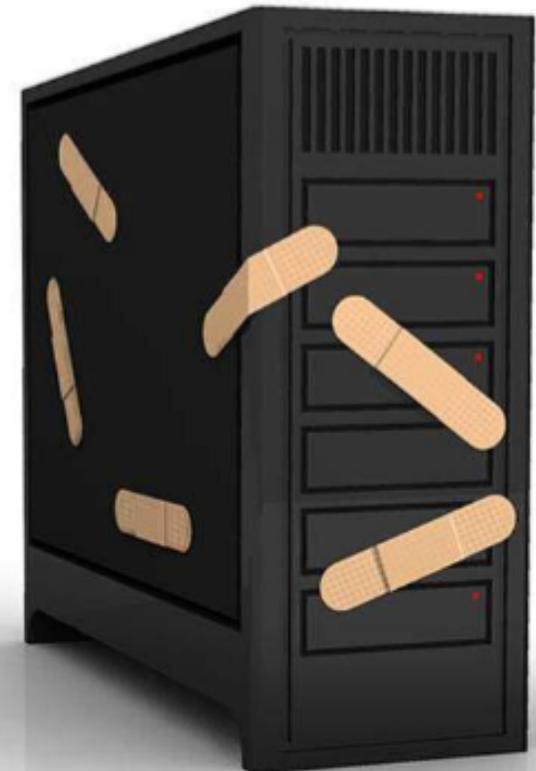
Most universities take 25 to 56 days on average to deploy an OS patch



Companies and universities spend more than \$2 billion annually on patches



While you're working on deploying your patch, other people are working on reverse engineering and gaining access to your environment



Why Google Apps is More Reliable and Secure

99.9% SLA

Purpose-built infrastructure

- Hundreds of thousands of identical servers
- Custom, hardened Linux OS
- Can rapidly update all systems
- No third-party security issues

World Class Security

- Industry-leading experts
- Obfuscation of data at rest
- Security reviews for all code

SAS 70 Type II certification
FISMA certification

 **Apps Status Dashboard**

This page offers performance information for Google Apps services. Unless otherwise noted, this status information applies to consumer services as well as services for organizations using Google Apps.

Check back here any time to view the current status of the services listed below. For all other information or to report a problem, please visit the [Google Apps Help Centers](#).

	Today's Status	9/30/10	9/29/10	9/28/10	9/27/10	9/26/10	9/25/10
Google Mail	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Calendar	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Talk	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Docs List	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Documents	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Spreadsheets	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Presentations	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Drawings	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Sites	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Video for business	✓ No Issues	✓	✓	✓	✓	✓	✓
Google Groups	✓ No Issues	✓	✓	✓	✓	✓	✓
Admin control panel / API	✓ No Issues	✓	✓	✓	✓	✓	✓
Postini Services	✓ No Issues	✓	✓	✓	✓	✓	✓

[Older »](#)

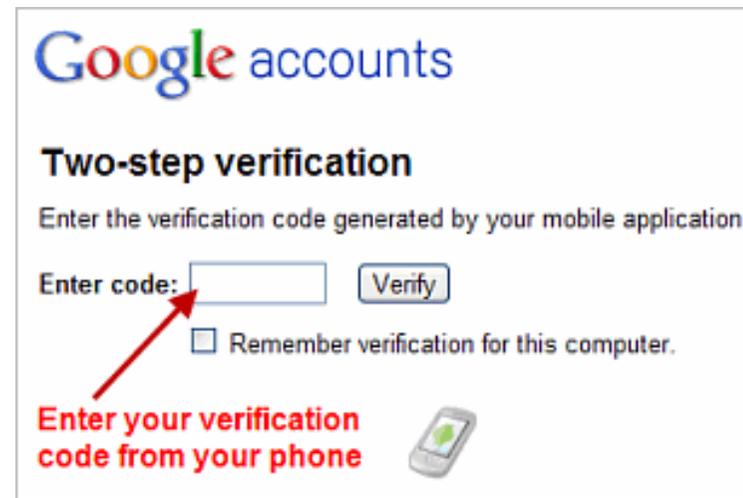
Security for the User

Two step verification requires two means of authentication:

- Something you know - password
- Something you have - mobile phone

Access securely and safely:

- Connect over SSL
- Monitor login activity



Google accounts

Two-step verification

Enter the verification code generated by your mobile application.

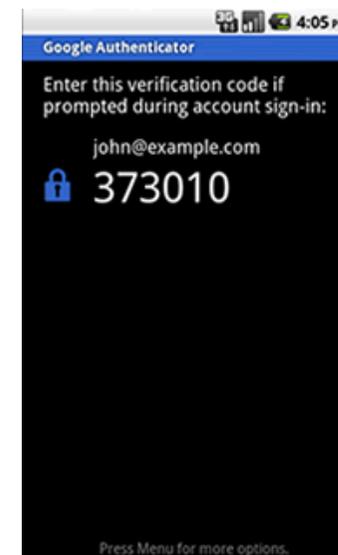
Enter code:

Remember verification for this computer.

Enter your verification code from your phone 

Concurrent session information:

Access Type [?] (Browser, mobile, etc.)	Location (IP address) [?]
Browser	United States (CA) (172.18.222.92)
Browser	United States (CA) (172.18.112.221)
Browser	United States (CA) (172.18.28.15)
Browser	United States (CA) (172.18.28.14)





Granular Calendar Sharing Settings



- Determine what you want to share
 - Nothing, only free/busy, all event details
- Determine who you want to share it with
 - No one, just users on the domain, specific users or Groups

Hide Users from the Global Address List

Contact sharing

Automatically share Andrew's contact information when [contact sharing](#) is enabled.

Privacy and Compliance

- It's your content, not ours
- We don't look at your content
- We don't share your content
- No connection to ads
- Automated scanning for protection and personalization



See for yourself: <http://www.google.com/apps/edu>

Common Misconceptions



The Government can read/request my data:

- While we do comply with valid legal process, we have a long history of advocating for our users privacy.
- We will notify you of any request when legally permissible and allow you to respond.

My Data is locked in with Google

- No! In fact, we have a team of engineers (Data Liberation Front) whose sole job is to make sure you can export your data out of Google.



You will not tell me how you are securing my data

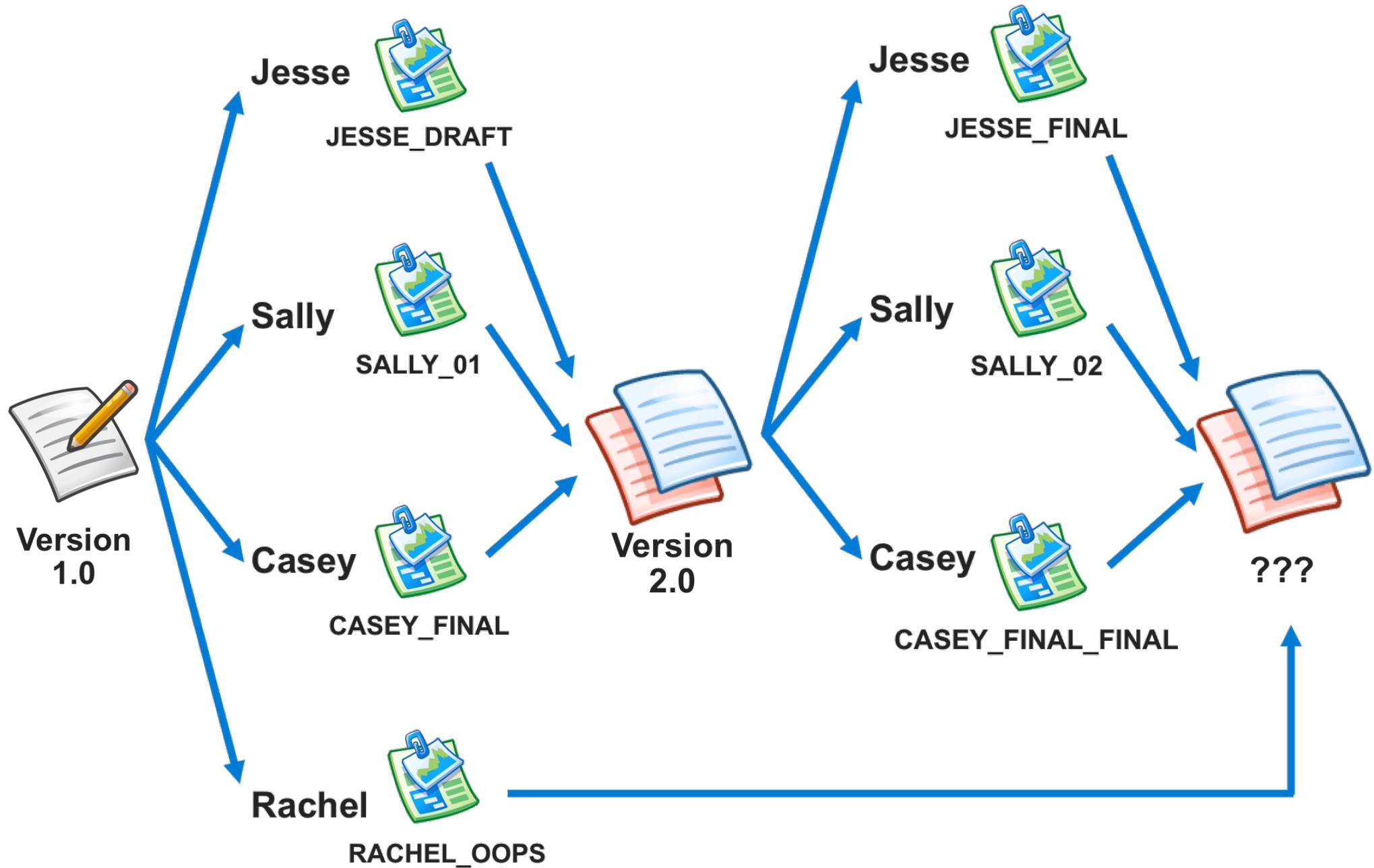
- We are happy to share with you:
 - Security whitepapers detailing our security methodologies
 - The actual SAS 70 audit reports from independent auditors (under NDA only)

Benefits of Google Apps



- 1** Best tools for students, faculty and staff
- 2** More reliable and secure
- 3** **Most innovative collaboration platform**

Collaboration shouldn't be a challenge



Store anything. Access anywhere.

Upload many files at once

[« Back to Google Docs](#)

Upload Files

Select files and destination

You are currently using 5288 MB (24%) of your 21504 MB. [Add storage](#)

You can upload files up to 1024 MB. Files converted to Google Docs have smaller limits.

Google_Apps_Overview.ppt	14.2 MB	<input type="text"/>	Cancel
gads_admin.pdf	2.17 MB	<input type="text"/>	Remove
Uploading...			

View quickly in a browser

Google docs
Google_Apps_Overview.ppt

Messaging challenges



Collaboration challenges

Share with groups and export

Folders shared with me > Google Apps [Share this folder](#) Refresh

Share Move to Folders Delete Refresh Sharing settings... 1-10 of 10 Last modified Folders / Sharing Date

Name	Sharing	Date	Modified by
michigan_video.mpeg ^{New!}		11:22 am	Elliot tc
apps_notes.docx ^{New!}		11:22 am	Elliot tc
Apps Demo Deck ^{New!}		11:21 am	Elliot tc
Google Apps Features ^{New!}		11:20 am	Elliot tc
Apps Demo Preso ^{New!}		11:20 am	Elliot tc
preso_photo.jpg ^{New!}		11:18 am	Elliot tc
google_apps_matrix.xls ^{New!}		11:17 am	Elliot tc
audio_for_preso.mp3 ^{New!}		11:17 am	Elliot tc
Google_Apps_Overview.ppt ^{New!}		11:09 am	Elliot tc
gads_admin.pdf ^{New!}		11:09 am	Elliot tc

Google docs gads_admin_book

Install Google Apps Directory Sync

To install the directory sync utility:

- Go to the Directory Sync overview at <http://support.google.com/appsdirsync>
- Choose the operating system of the server where you plan to run the directory sync utility and click Download.
- Download and run the installer.
- Complete all the steps of the installer.

The Social Internet is ubiquitous



Charlie bit my finger - again !



35 videos

Subscribe



0:43 / 0:56

360p



GoogleAtWork

@GoogleAtWork Mountain View, CA

The official Twitter home of Google Enterprise

<http://googleenterprise.blogspot.com>

Open for Questions Wraps Up



0:00 / 1:27

Privacy Info

The trial run of Open for Questions has wrapped up with the President answering several of the most popular questions during a special online town hall. We will be trying to address more of the questions the President could not get to over the next week or so, and will continue looking for new ways to engage with the public and get your input.

92,937 people have submitted 103,978 questions and cast 1,782,650 votes

Please [sign in](#) to vote on questions and suggest your own.

View Questions

*From Mary Meeker, "Internet Trends," Morgan Stanley, June 7, 2010 <http://www.morganstanley.com/techresearch>.

Organize based on relevance and priority



Search Mail and Docs Search the Web

Mail
Contacts
Tasks

Compose mail

Priority Inbox (3)
Inbox (5)
Buzz
Starred
Sent Mail
Drafts (9)
Family (2)
Hiking (2)
To Do
13 more

Archive Report spam Delete Move to Labels More actions Refresh

Important and unread

- Anna Bolotovsky Flight info for this weekend
- Pierre Bernard Photo of your baby niece
- Jason Toff Urgent: need your address

Starred

- Nick Foster Paris Hotel
- Arielle Reinstein recipe for no knead bread

Everything else

- Joe Shmo Save on car insurance
- Jason Toff When you get a chance...
- Google Voice New voicemail from (408) 327-5505 at 4:10 PM
- Bear, me, Alex (3) Buzz: Anyone know what kind of dog this is?
- Crain Walker NY Lay Over

Send Save Now Discard Draft autosaved at 2:40 PM (0 minutes ago)

To: "Tim" <hikingfan@gmail.com>, "Angela" <farnsworthpt@gmail.com>, "Bob Jones" <surfingfan@gmail.com>

Add Cc | Add Bcc Did you mean: [Bob Smith](#) instead of Bob Jones

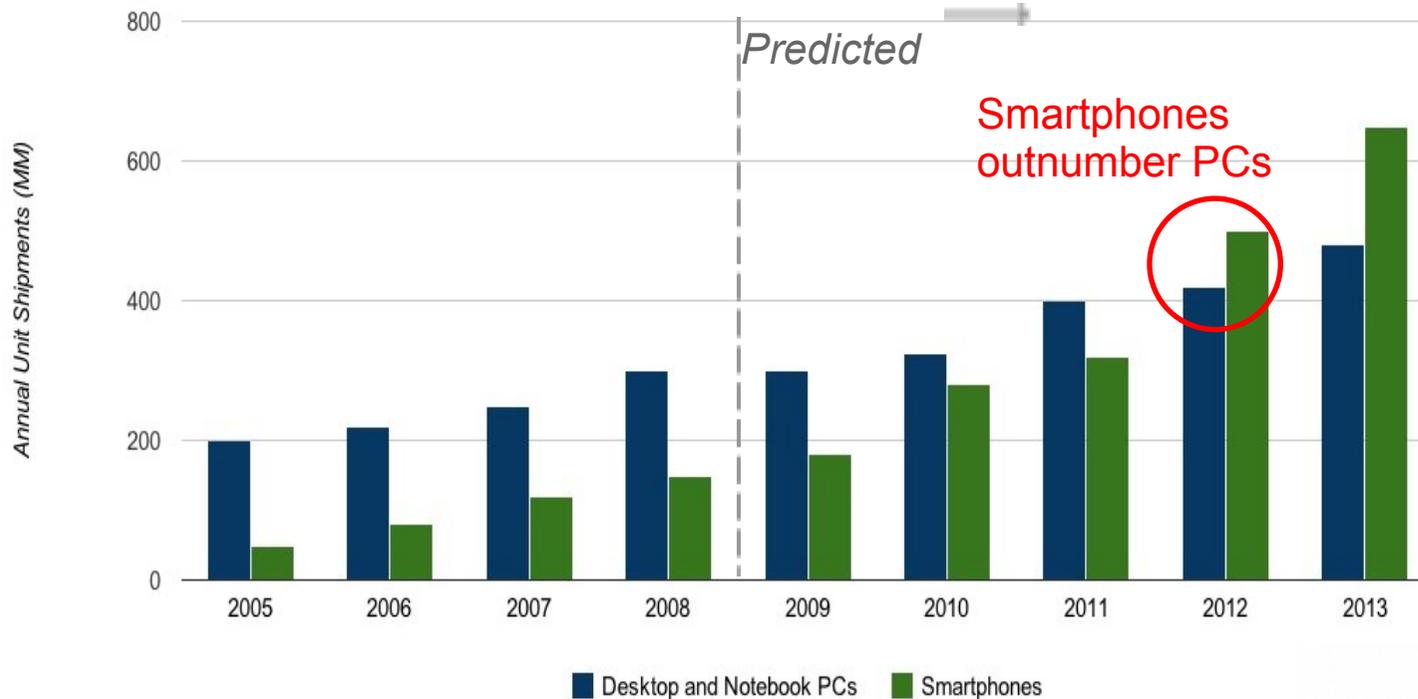
Subject: New in Labs: Got the wrong Bob?

Attach a file Add event invitation

Increased mobile access has changed the way we communicate



Unit Shipments of Desktop and Notebook PCs verses Smartphones (2005 - 2013)*



*From Mary Meeker, "Internet Trends," Morgan Stanley, June 7, 2010 <http://www.morganstanley.com/techresearch>.

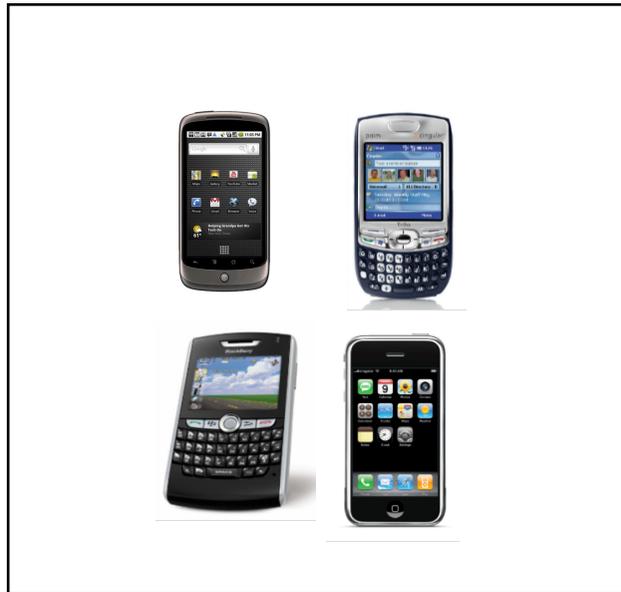
Access anywhere online...



Browser



Mobile



Tablet and Netbook



...or offline

Offline Gmail or Google Calendar

Install offline access for Gmail

Offline Gmail gives you access to your most recent emails when there is no internet connection.

This feature will download your email messages onto this computer. **Please make sure it is not a public or shared computer.**

You will need Gears for offline access, and the installer will restart your browser.

[Learn more](#)



Export Google Docs

My folders > Google Apps Share this folder ▾

Share ▾ Move to ▾ Folders ▾ Delete Rename More actions ▾

Name	Folders / Sharing
TODAY	
Google Apps Features	Not shared
Apps Demo Preso	Not shared
Apps Demo Deck	me to everyone
preso_photo.jpg	Not shared
google_apps_matrix.xls	Not shared
apps_notes.docx	me to 1 collaborator
audio_for_preso.mp3	Not shared
michigan_video.mpeg	me to 3 collaborators
gads_admin.pdf	me to 2 collaborators
Google_Apps_Overview.ppt	me to 2 collaborators

More actions menu:
Star
Hide
Change owner...
Mark as unviewed
Export...

Outlook

Inbox - Microsoft Outlook

File Edit View Go Tools Actions Help

Mail Folders: Favorite Folders, Mail Folders, All Mail Items, Google Apps - msmith@ibot...

Inbox: Update on your order #53000900
Rowan, Patricia [prowan@solarmora.com]
Sent: Tue 5/19/2009 9:14 AM
To: msmith@ibot.info

Message body: Hello M. Smith: We wanted to update you on the progress of your (model #4529B). Unfortunately, we are out of stock.

Message composition window: Untitled - Message (HTML), To: Sondra@...

Apple Mail

Inbox (129 messages, 11 unread)

Get Mail New Reply Reply All Forward Flag Junk Delete Mailboxes Long Headers Search Print

Inbox list:
From: Rob Small Subject: Re: APC's new Apple blog, 'X Factor' Today
From: Tim Gaden Subject: How about this job at Monash? Today @Action
From: Nick Knisely Subject: Check out this wide-screen hack. Today
From: Dan Warne Subject: APC's new Apple blog, 'X Factor' Today
From: Andrew McGo... Subject: Re: Patterson Festschrift Today
From: MyCareer Subject: Writer Job Alert from mycareer... Today
From: The Unofficial... Subject: The Free iPod Book 2.0 - Rmail Today
From: The Unofficial... Subject: ShopBoton 1.10.1 - Rmail Today
From: wordpress@... Subject: [Hawk Wings] Please moderate... Today
From: Apple Develop... Subject: Apple Design Awards entry dead... Today
From: MyCareer Subject: Community jobs Job Alert from ... Today
From: Charles Dale Subject: Another problem again. Today
From: The Unofficial... Subject: Conquer Safari plug-in v1.4.7. Today
From: The Unofficial... Subject: Apple Matters? 9 best widgets ... Today
From: The Unofficial... Subject: Disk Order - an advanced Finder... Today
From: Mike Brogan Subject: Re: Notification of Payment Rec... Today
From: Google Alerts Subject: Google Alert - Apple Mail Today
From: Ted Davis Subject: [Hawk Wings] Comment: 'Even... Today
From: Google Alerts Subject: Google Alert - location.australia... Today
From: Google Alerts Subject: Google Alert - Australian bread... Today
From: Peter Maurer Subject: Re: Butler Today
From: Jane Quigley Subject: Re: Notification of Payment Rec... Today
From: Ralph Fontcub... Subject: Re: Hawk Wings Today
From: Geoff F. Morris Subject: [Hawk Wings] Comment: 'H... Today
From: Michael Camp... Subject: [Hawk Wings] Comment: 'Comp... Today
From: Mindjet Subject: Mindjet MindManager 21-Day Do... Yesterday
From: Ian Kang Subject: Engin easy as? Yesterday
From: foolytips.com.au Subject: foolytips.com.au AFL reminder Yesterday
From: Deborah Guess Subject: *****SPAM***** Presenter Yesterday
From: Edgar Chrystal Subject: Gotta Be Over 40 to Understand... Yesterday
From: Ian Davis Subject: Re: Quality of Life questionnaire... Yesterday
From: DAVIS, Jillian Subject: Quality of Life questionnaires: pl... Yesterday
From: David Flynn Subject: RE: Sample entry level plan ent... Yesterday
From: David Flynn Subject: Don't mess lin... Yesterday

Message preview:
From: Nick Knisely
Subject: Check out this wide-screen hacked up version of Mail.app
Date: 2 June 2006 8:29:53 AM
To: Tim Gaden
<http://episteme.arstechnica.com/eve/forums/a/tpc/f/8300945233/m/972003839731>
Mithras posted a version of Mail.app that actually uses wide-screen format. (In case you hadn't seen this thread.)
-Nick

The Innovation Continues



Frequent, small updates

- ~2 week release cycle
- Latest and greatest features

Easy to manage

- No server or client upgrades
- No data migration
- Everyone is on the latest release

2008

68 releases

2009

116 releases

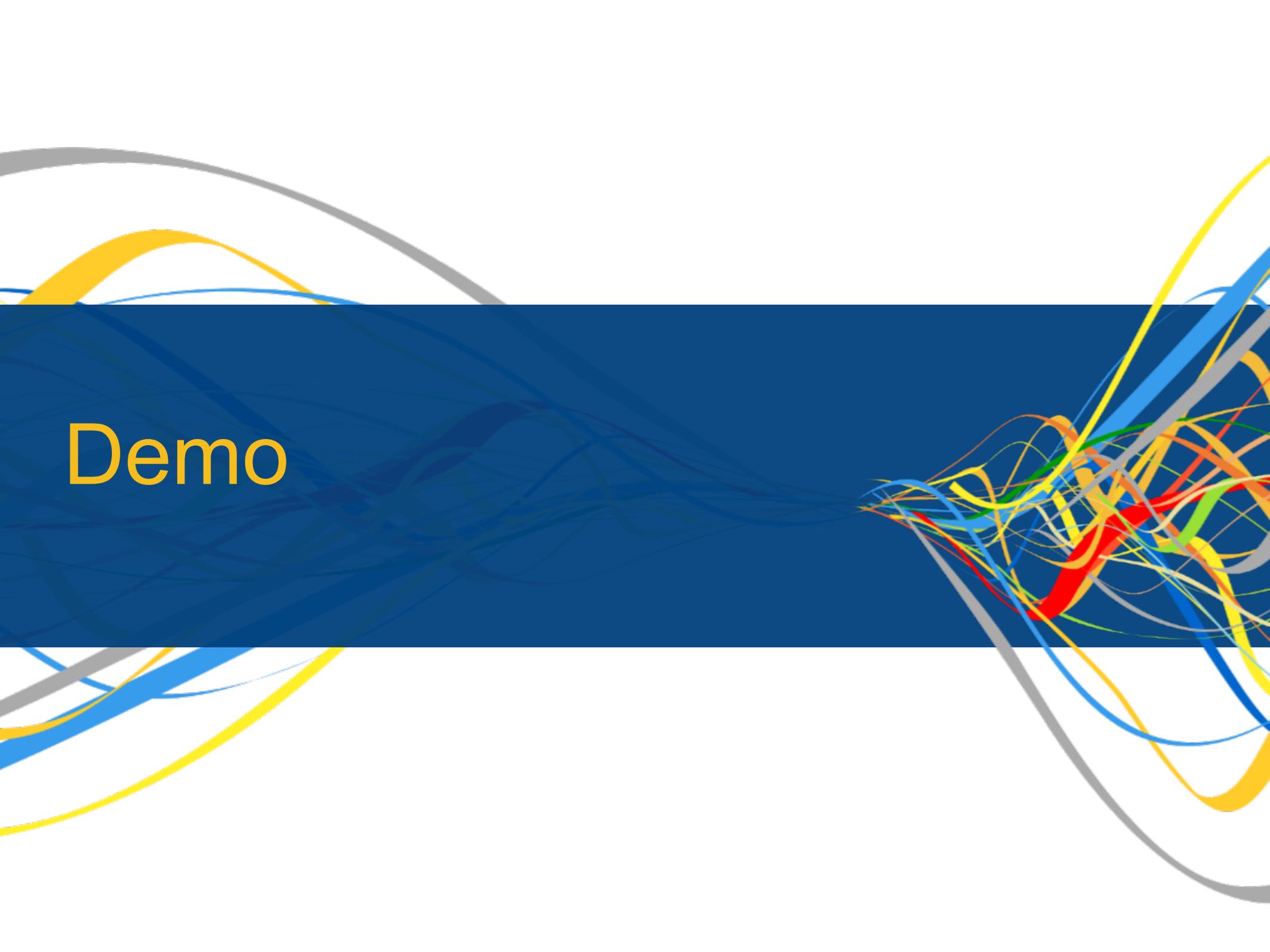
2010

217 releases

So why should Ryerson go Google?



1. No downtime
2. Campus-wide calendar solution (with resources!)
3. Increase your quota to 7.5 Gb per account
4. Have as many test instances as you want
5. Rich collaboration offerings (and free for all EDU users!) through Google Docs and Google Sites.
 - 100% web: no clients needed
 - Import & export between different types of software

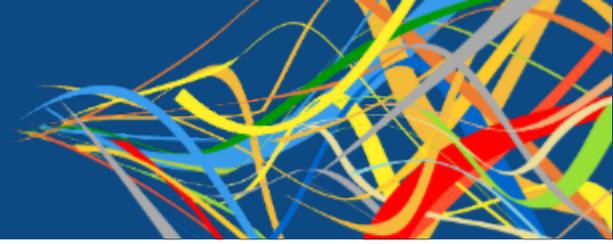
The image features a central horizontal band of solid dark blue. Overlaid on this band and extending into the white background above and below are several thick, flowing, curved lines in various colors: grey, yellow, light blue, red, green, and orange. These lines appear to originate from the right side of the image and flow towards the left, creating a sense of movement and depth. The word "Demo" is written in a bold, yellow, sans-serif font on the left side of the blue band.

Demo

Go Google.



Questions?



Let's collaborate together:
bit.ly/ryersonquestions

Steven Butschi
sbutschi@google.com