Google Apps Overview

Ryerson

Google Cloud Connect
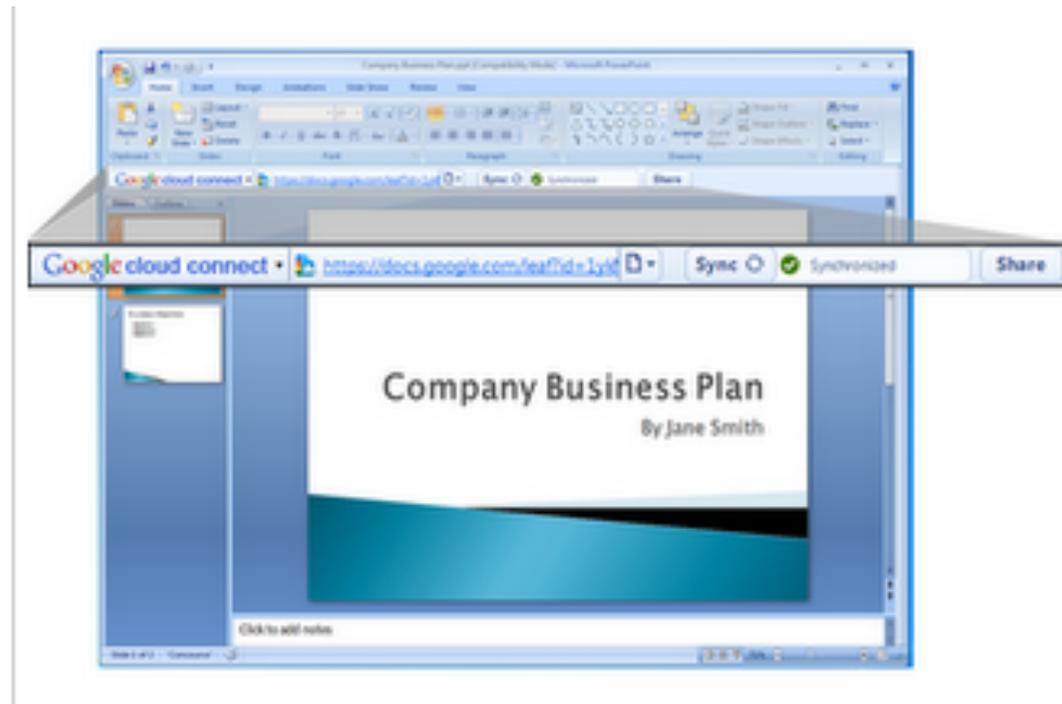
Google Apps for Education Mission

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.

Google Apps

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)

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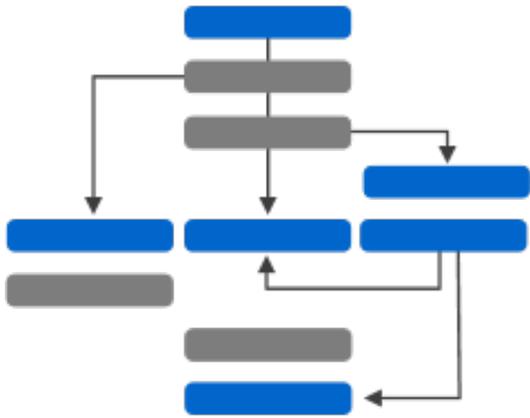
Company Servers

In the Cloud

Why is Security so Tough?

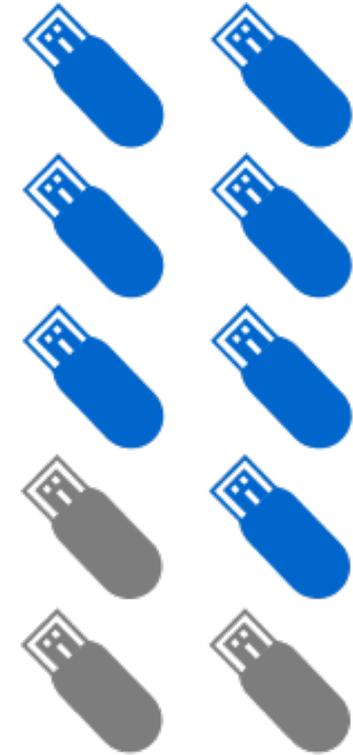Data Problem: Users want to access their data anytime, from anywhere

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
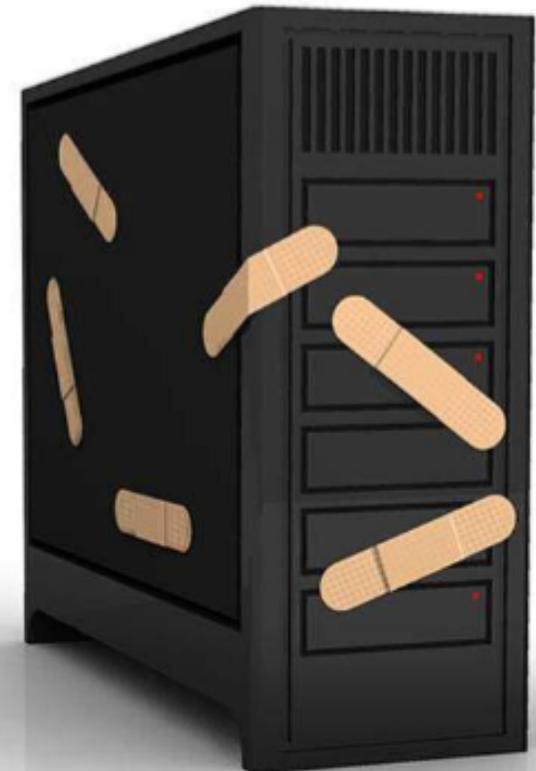
Why Google Apps is More Reliable and Secure

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

Google 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
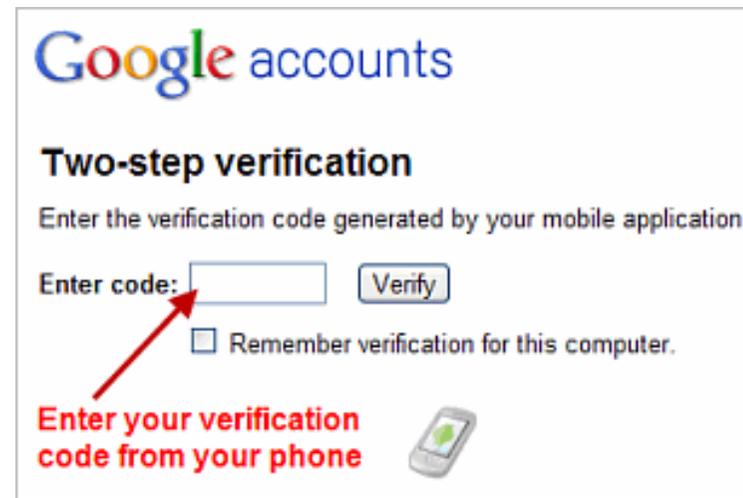
Google accounts

Two-step verification

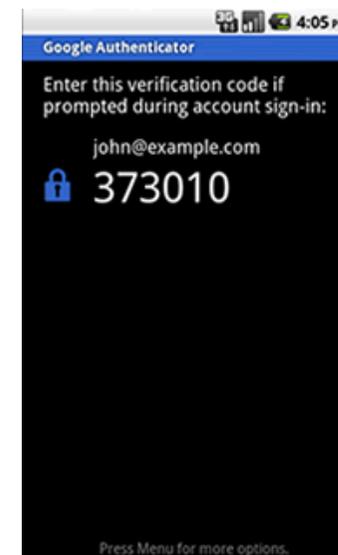Enter the verification code generated by your mobile application.

Enter code: [   ] [Verify]

☐ 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)

[Sign out all other sessions]

4:05 PM

Google Authenticator

Enter this verification code if prompted during account sign-in:

john@example.com

🔒 373010

Press Menu for more options.

Granular Calendar Sharing Settings

Make changes AND manage sharing
Make changes to events
✓ See all event details
See only free/busy (hide details)

Make changes AND manage sharing

Add Person

- 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)

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Collaboration shouldn't be a challenge
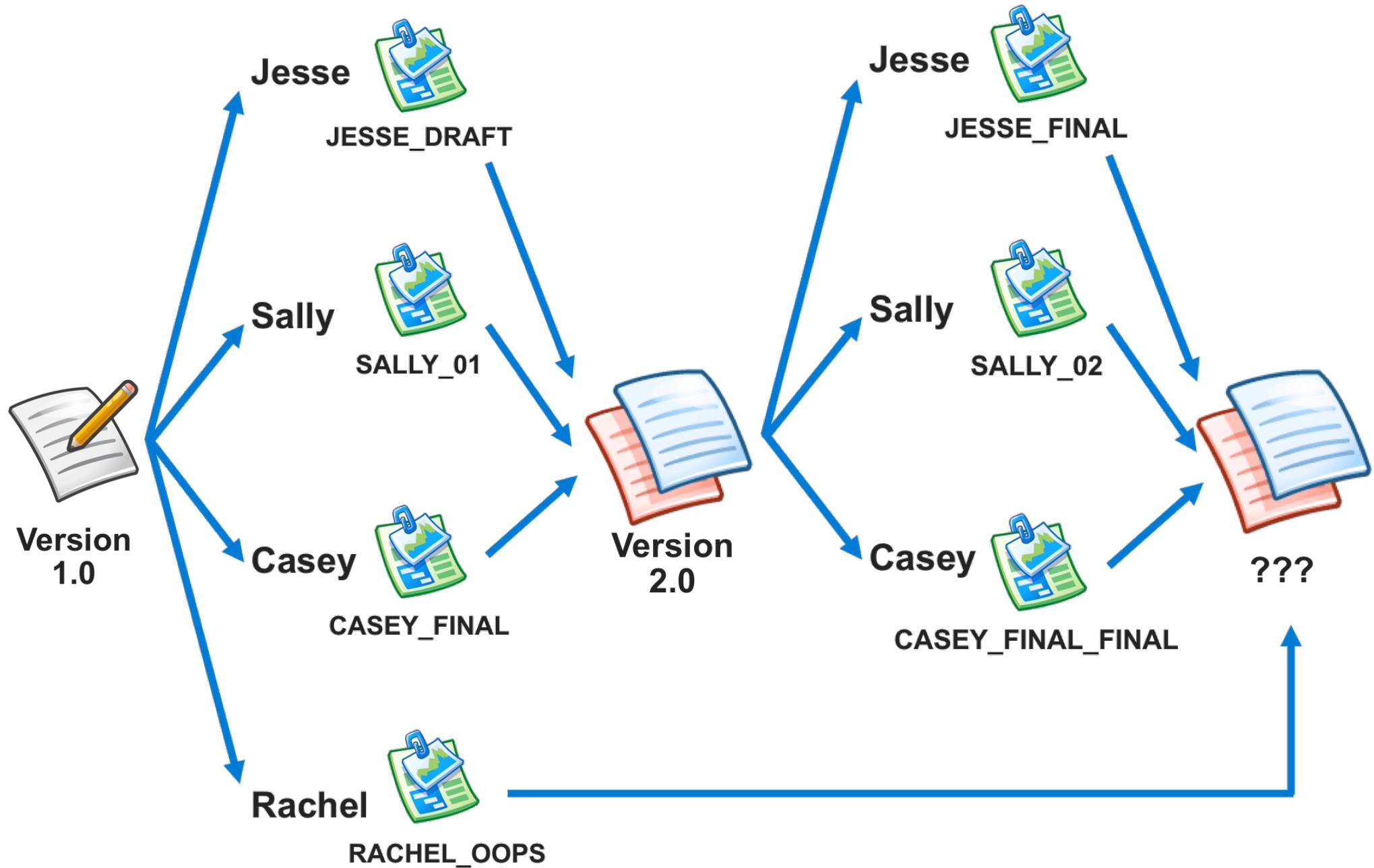
Store anything. Access anywhere.

Upload many files at once

View quickly in a browser

Share with groups and export

The Social Internet is ubiquitous

Global Time Spent, November 2006 to December 2009*

11/07 -Social networking surpasses Email

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

Organize based on relevance and priority

Increased mobile access has changed the way we communicate

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

Predicted

Smartphones outnumber PCs

Legend: Desktop and Notebook PCs | Smartphones

Y-axis: Annual Unit Shipments (MM)

X-axis years: 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013

Access anywhere online...

Browser

Mobile
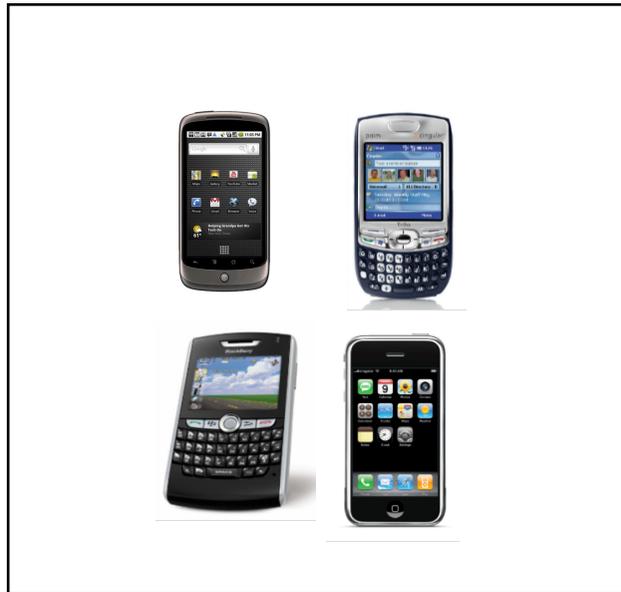
Tablet and Netbook

…or offline

Offline Gmail or Google Calendar

Export Google Docs

Outlook

Apple Mail

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	2009	2010
68 releases	116 releases	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
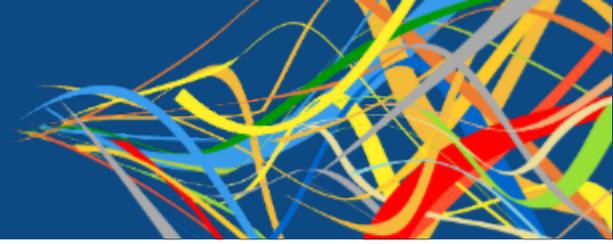   - Import & export between different types of software
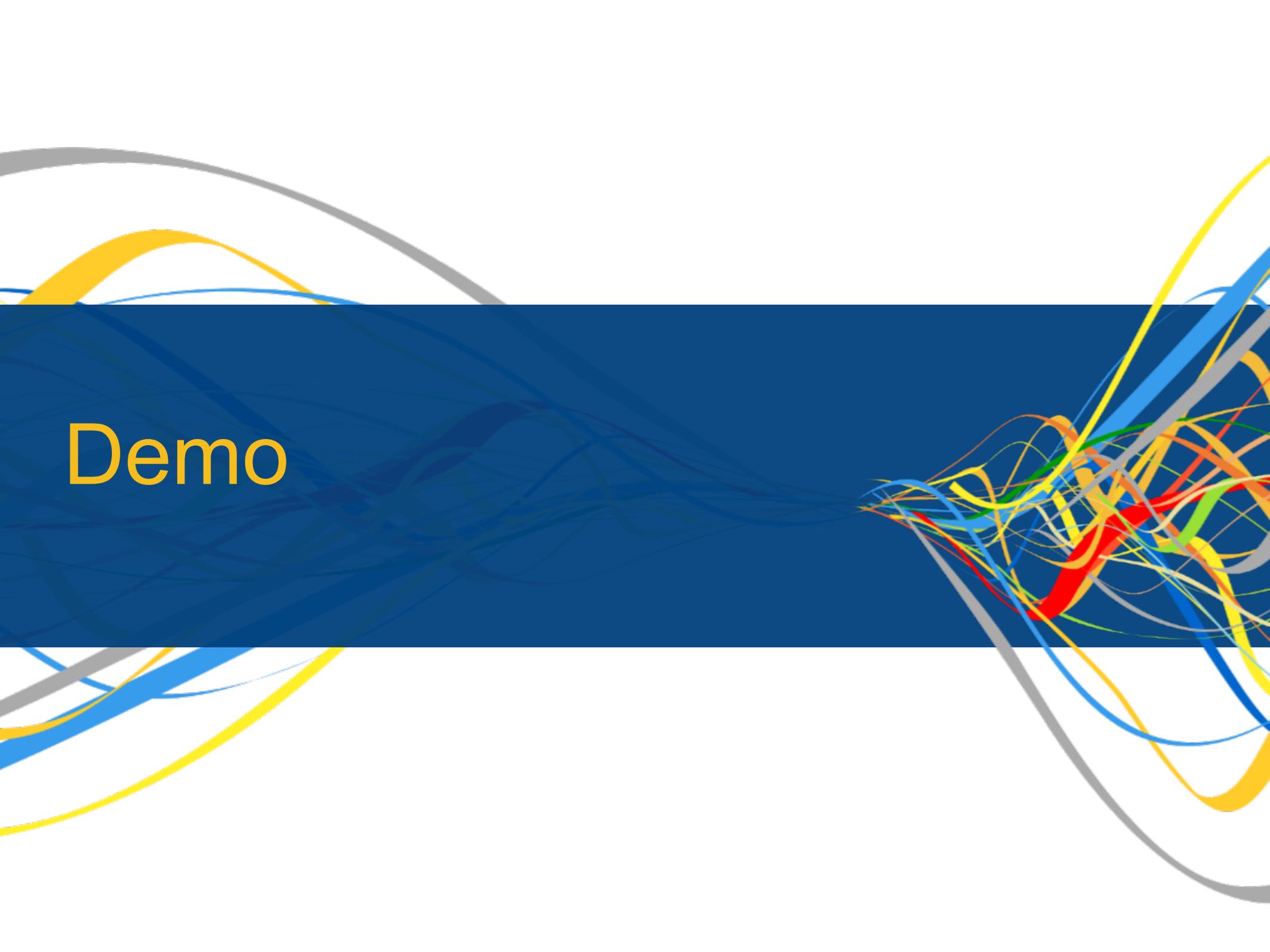
Demo

Go Google.

Let's collaborate together:
bit.ly/ryersonquestions

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sbutschi@google.com