Using Google for Online Learning

By Janet Clarey, Sr. Researcher and Analyst
• Webinar Text Chat
• Twitter: @jclarey (#brandonhall)
• Email: janet@brandon-hall.com
• Google talk: jclarey
• 13 Desktop Applications
• 6 Desktop Extensions
• 11 Online Mobile Products
• 8 Downloadable Mobile Products
• 8 Advertising Web Products
• 23 Communication & Publishing Web Products
• 8 Development Web Products
• 7 Mapping Web Products
• 34 Web Search Products
• 4 Statistical Web Products
• 3 Hardware Products
• 1 Operating Systems
• 25 Discontinued Products

• Acquisitions since 2001: 53
BG (Before Google)

excite. Yahoo! Lycos meet you there altavista

Ask Jeeves HotBot alltheweb

Image credits: See end of presentation
The concept of information has changed and that changes everything.

Image: http://www.funnylogo.info/create.asp
Google is named in eight categories on Jane Hart’s Top Tools for Learning Professionals:
- Web browser (Chrome)
- Blogging tool
- RSS/Feedreader
- Email
- Personal productivity
- Online office suite
- Web authoring
- Video tools
- Personal dashboard

http://www.slideshare.net/janehart/25-tools-a-toolbox-for-learning-professionals-2009-1448214
Google for Online Learning

Here are (at least) 20 Google tools you can use to support workplace (and personal) learning
Alerts

Video
Comprehensive
Choice
Top
Search

Google alerts
beta

News email

Alerts
Terms
Appear
Results
Alert
Google
Aggregate
Search

Video
Comprehensive
Choice
Top
Search

Google alerts
beta

News email

Alerts
Terms
Appear
Results
Alert
Google
Aggregate
Search

Video
Comprehensive
Choice
Top
Search

Google alerts
beta

News email
1. Share your schedule
Let your co-workers, family, and friends see your calendar, and view schedules that others have shared with you. When you know when everyone is free or busy, scheduling is a snap.

2. Get your calendar on the go
With two-way syncing to your mobile phone’s built-in calendar or a mobile version of Google Calendar that’s made for the small screen, you can access your calendar while you’re away from your desk.

3. Never forget another event again
Customizable reminders help you stay on schedule. You can choose to be notified by email or get a text message sent right to your mobile phone.

4. Send invitations and track RSVPs
Invite other people to events on your calendar. Guests can RSVP to your events by email or via Google Calendar.

5. Sync with your desktop applications
Access your calendar however and whenever you want by syncing events with Microsoft Outlook, Apple iCal and Mozilla Sunbird.

6. Work offline
Know where you’re supposed to be even when you don’t have internet access. With offline access, you can view a read-only version of your calendar no matter where you are.

7. All this is free?
Yep.
Search phonetically for words you don't know how to spell.

Advertising Programs - Business Solutions - About Google

©2005 Google - Searching 8,058,044,651 web pages
define: webinar
“webinar”
how to * webinar
RSA Encryption

Curriculum Search

Microsoft PowerPoint - n_lect14-c.ppt
Fall 2004/Lecture 14. 1. Cryptography CS 555. Lecture 14-c. Attacks on RSA and Rabin Encryption .... Motivation: The security of RSA encryption depends on ...
www.cs.purdue.edu/homes/ninghui/courses/Fall04/lectures/lect14-c.pdf

Lab 10: RSA Encryption
In lab today you will add your subroutine to the RSA demo applet code and implement the RSA encryption and decryption subroutines. Once your code is working ...
www.cs.duke.edu/courses/fall06/cps001/labs/lab10.html

Computer Security CS 426 Lecture 18
Public key encryption: RSA, El Gamal, etc. Stream ciphers. Block ciphers + encryption modes. Secrecy / Confidentiality. Secret Key. Setting. Public Key ...
www.cs.purdue.edu/homes/ninghui/courses/426_Fall07/handouts/426_Fall07_lect18.pdf

Lecture 22: Cryptology
Lecture 22: Cryptology. Enigma machine .... RSA Public-Key Cryptosystem: Encryption and Decryption .... Lectures, precepts, assignments, readings ...
www.cs.princeton.edu/courses/archive/spr05/cos126/lectures/22.pdf

Computer Security CS 426 Lecture 18
Computer Security CS 426 Lecture 18

Lectures Assignments Reference Blog Web
Computer Security CS 426 Lecture 18
Fall 2007/Lecture 18. 18. Public Key Encryption Algorithms. Almost all public-key encryption algorithms use number theory and modular arithmetic; RSA ...
www.cs.purdue.edu/homes/ninghui/courses/426_Fall07/handouts/426_Fall07_lect18.pdf

Lecture 22: Cryptology
Lecture 22: Cryptology. Enigma machine .... RSA Public-Key Cryptosystem: Encryption and Decryption .... Lectures, precepts, assignments, readings ...
www.cs.princeton.edu/courses/archive/spr05/cos126/lectures/22.pdf

Microsoft PowerPoint - n_lect14-c.ppt
Fall 2004/Lecture 14. 15. The Rabin Encryption Scheme. • Motivation: The security of RSA encryption depends on the difficulty of computing the e'th root ...
www.cs.purdue.edu/homes/ninghui/courses/Fall04/lectures/ect14-c.pdf
The goal: Integrating content & community silos

Adobe.com
- Help
- Search
- Knowledgebase
- Forums
- Dev Center
- Design Center
- Exchange

External web
- Blogs
- Articles
- Tutorials
- Podcasts
- Forums
- Plug-ins

<table>
<thead>
<tr>
<th>Active Documents</th>
<th>Owner / Collaborators / Viewers</th>
<th>Last Edited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen-grab</td>
<td>Me</td>
<td>2 minutes ago by Me</td>
</tr>
<tr>
<td>SOA Executive Forum in NYC</td>
<td>Me</td>
<td>2 minutes ago by Me</td>
</tr>
<tr>
<td>InfoWorld Events - Virtualization Executive Forum</td>
<td>Me</td>
<td>6 minutes ago by Me</td>
</tr>
<tr>
<td>InfoWorld Events - Virtualization Executive Forum</td>
<td>Me</td>
<td>10 minutes ago by Me</td>
</tr>
<tr>
<td>traffic analysis(1)</td>
<td>Me</td>
<td>30 minutes ago</td>
</tr>
<tr>
<td>Hitbox</td>
<td>Me</td>
<td>60 minutes ago</td>
</tr>
<tr>
<td>Bugs</td>
<td>Me</td>
<td>92 minutes ago</td>
</tr>
</tbody>
</table>

Showing only documents or spreadsheets active in the last 30 days. Looking for something older? [Show all]
Google translate

- Wie viel kostet es?
- ¿cómo te llamas?
- 哪裡是最近的銀行？
Email: the most popular tool for communicating on the web and a core element of online learning management. Add IM and video chat and it humanizes the process.
Aggregator - can read offline or online
• Allows learner to segment reading (group, tag, folder, etc.)
• Different views allowed
• Searchable
•Sharable
• Mobile Accessibility

Image (logo): http://www.funnylogo.info/create.asp
1. Google Video for Business – video hosting and sharing for an organization’s internal use (within the organization’s domain). Part of Google Apps.

2. Google Video – search engine for videos (no longer supports uploads)

3. You Tube – public video hosting and sharing
Google Sites

Home

The Home page. An introduction, a meet 'n great. A springboard for all the spectacular things you can do with the new JetSpel Google Sites. And there's not one, but two columns available for pages like this. You could even insert a Google Gadget or a Picasa Web Albums slideshow.

Attachments (0)

Attach a file: Choose File no file selected

Comments (0)

Add comment
Garett entered group chat.

Garett: hi

me: hey

Nate entered group chat.

hey nate 😊

Nate: nice

me: how's that look?

Nate: pretty sweet

I see both of your profiles up

me: yep two profiles for me, and one for you

Nate: I can click on either of them to go into a private chat

me: this seems pretty intuitive to me

too bad you can't use the real google talk client

Nate is typing...
Mobile

Search
A better way to search with Google from your mobile

Maps
Locate nearby businesses and services

Gmail
A faster way to get Gmail on the go

SMS
Get quick info from Google

YouTube
Watch and upload videos from anywhere

GOOG-411
Use voice to find local businesses on the go

Calendar
View and add to your calendar

News
Read up on the latest news from anywhere

Picasa
View photo albums on your mobile

Blogger
Post photos and share experiences from your mobile device

Reader
Read your favorite blogs and news feeds on the go

Docs
View your Google Docs on the go

Image (logo): http://www.funnylogo.info/create.asp
Google Desktop automatically indexes, and allows you to search the full text over, the following types of items on your computer:

- Outlook Email
- Outlook Express
- Word
- Excel
- PowerPoint
- Internet Explorer
- MSN Instant Messenger
- AOL Instant Messenger
- Google Talk
- Netscape Mail / Thunderbird
- Firefox / Mozilla / Netscape
- PDF
- Music
- Images
- Video
- Zip
- Text and others
- Even more with [these indexing plugins](http://desktop.google.com/features.html)
Pros

• Less IT support is needed to maintain software.

• Financial savings of not buying and maintaining software. (The corporate standard – Microsoft Office Professional 2008 – costs $500. By comparison, Google’s Apps for business is $50 per user, per year.)

• Content can more easily be shared.

• Working on documents is more collaborative.

• Centralized data storage.

• Good spam and virus filters.

• 24/7 access.

• Security/privacy (on both pros and cons).

• Freedom from desktop applications.
• Less control of data.

• Users need an Internet connection to access most applications (although some offline viewing is possible).

• Support may not be at the level an organization requires.

• Applications can be discontinued without notice.

• Security and privacy concerns associated with data stored on someone else’s servers.

• Training curve may add costs (on both pros and cons).

• Culture – working on the Web vs. working with desktop applications.

• Google’s terms and service.

• Unknown ROI.
The Future
Integration
Chrome
OpenID
Wave
SuccessFactors + Google (email, documents, chat, calendar, book search, maps)

Salesforce.com + Google (email, documents, chat, calendar)

Moodle + Google (Google apps education edition: gmail, calendar, gtalk, docs, sites, code)
Google OpenID API - taking the next steps

Six months ago, we announced our first step in supporting single sign-on using OpenID. Well, we wanted to share with you what we have been working on since. As a strong supporter of open standards such as OpenID, Google's top priority in this area has been to join the OpenID community in its efforts to increase the adoption of the protocol by both Relying Party websites and end users. In order to achieve that goal, we have been experimenting with new ways to improve OpenID usability and extend its functionality.

Our first enhancement, announced in January 2009, was to introduce the "Hybrid Protocol" API - combining OpenID's federated login with the OAuth access authorization. The Hybrid Protocol allows websites to ask Google to authenticate a user through their Google Account, while at the same time requesting access to information available via OAuth - enabled APIs such as the Google Data APIs. By combining the two protocols together, the Relying Party provides a better overall user experience and significantly reduces latency by cutting down the number of browser redirects and roundtrips. Plaxo, one of the websites using the Hybrid Protocol, published a presentation pointing out an amazing 92% success rate while experimenting with the API.
http://www.youtube.com/watch?v=v_UyVmlTiYQ
• Twitter: @jclarey (#brandonhall)
• Email: janet@brandon-hall.com
• Google talk: jclarey
Thanks

• Twitter: @jclarey (#brandonhall)
• Email: janet@brandon-hall.com
• Google talk: jclarey