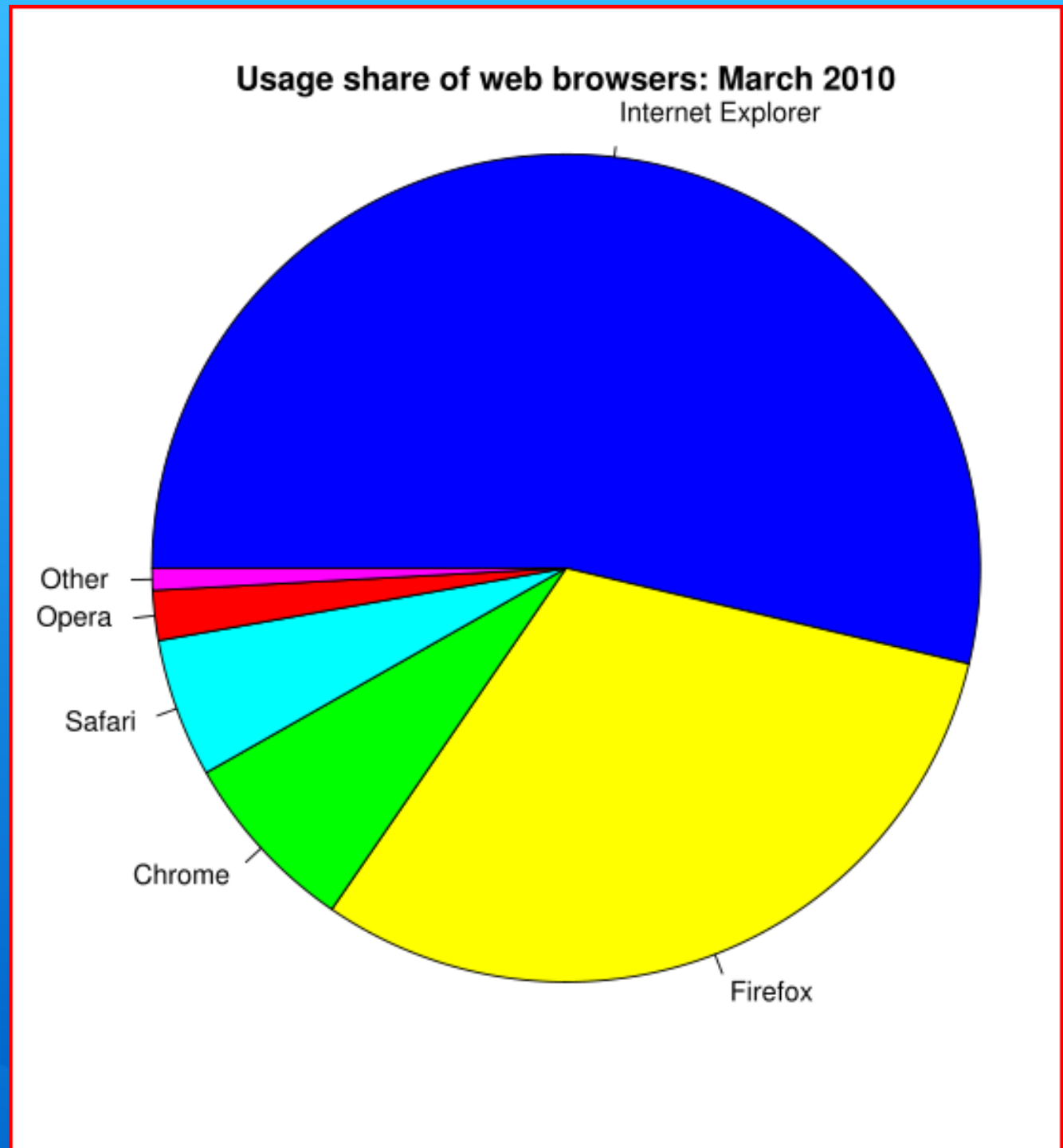


Google Chrome

The best Browser - so far

Some reasons to try the new
browser - developed by Google

Browser Usage Share



Background on Web development

The way the web used to be and now.....

- Static pages
- Dynamic pages
- Entertaining animations - usually as an eye-catching ad
- Fillable forms - with simple error-checking
- Basic applications

And now we have:

- email, messaging, voice apps like Skype, streaming audio and video, chat, social networking, and full-featured applications with off-line capability
- All this interactive stuff is sometimes referred to as Web 2.0

Browser Development

Because of these developments more demands have been place on browser capabilities

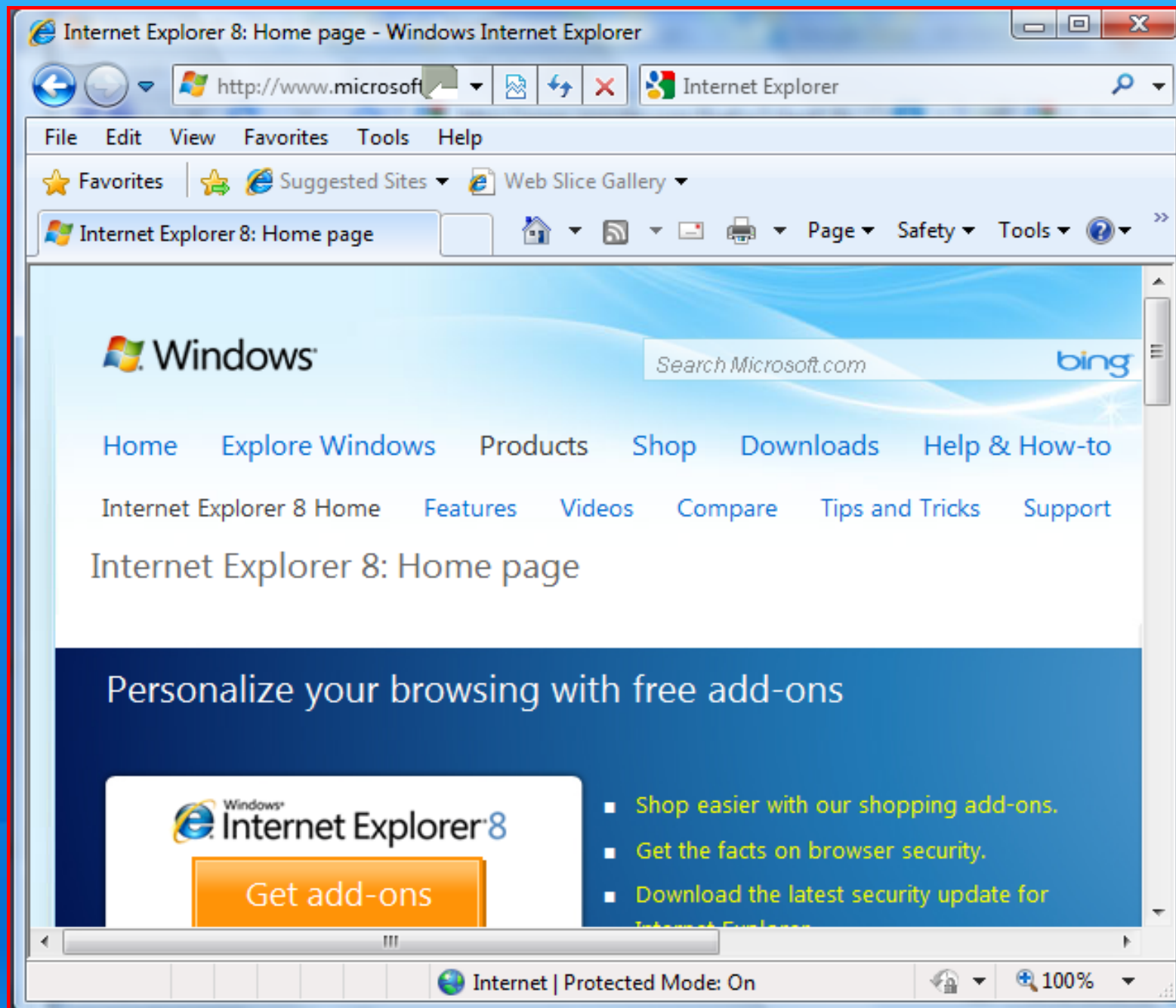
- Most browsers, Internet Explorer, Safari, Opera, Firefox, were originally designed to render static pages and have had bits added over time to enable them to run web applications and to make them more secure against hackers
- Google Chrome was engineered from the ground-up to:
 - run web applications efficiently
 - provide robust protection against hackers

More Details

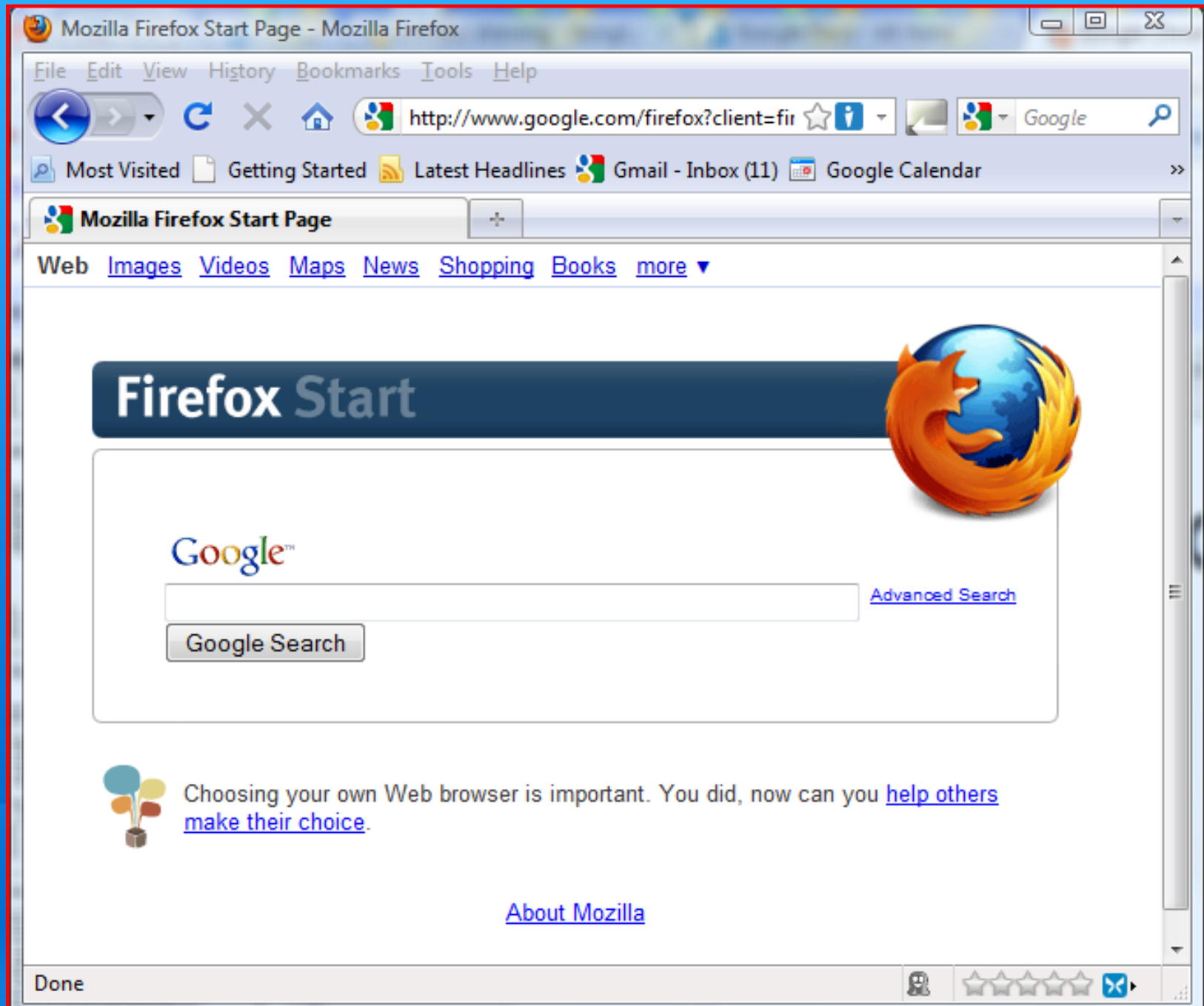
Many factors are "pushing" computer users to store their data "in the cloud" and to run many common applications "in the browser"

- vulnerability of applications to hackers and the consequent need to continually up date (patch) an application - Web-based applications are "automatically" continually up to date
- the designers can add new features at any time without requiring user intervention
- the ever decreasing cost of web storage
- the ubiquity of a high-speed Internet connection
- the use of multiple devices to access the same personal information
- the increasing capability of browser technology
- the increasing power of many portable net appliances - smart phones - iPhone, Blackberry, Droid

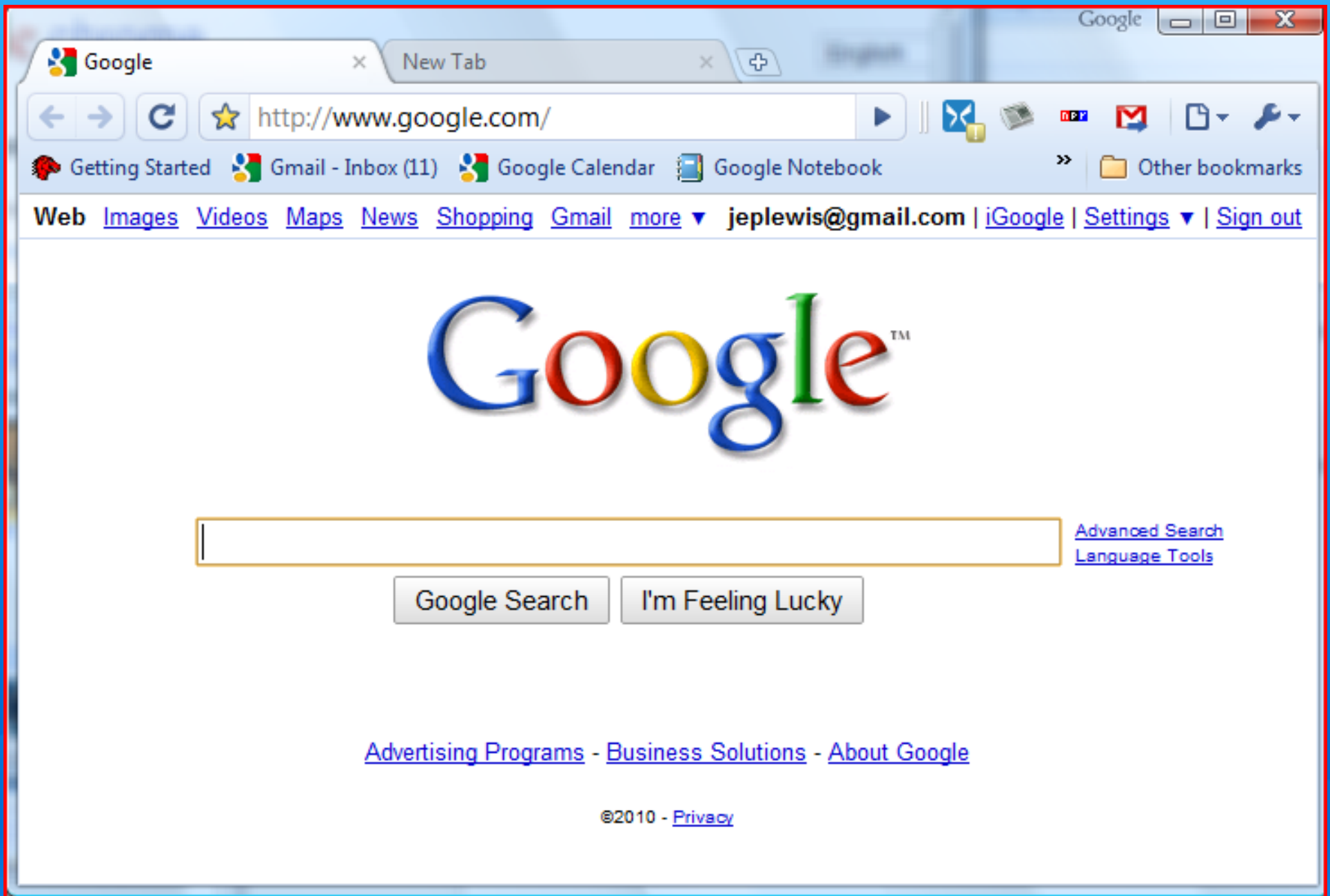
Compare IE, Firefox and Chrome Screens -1



Compare IE, Firefox and Chrome Screens -2



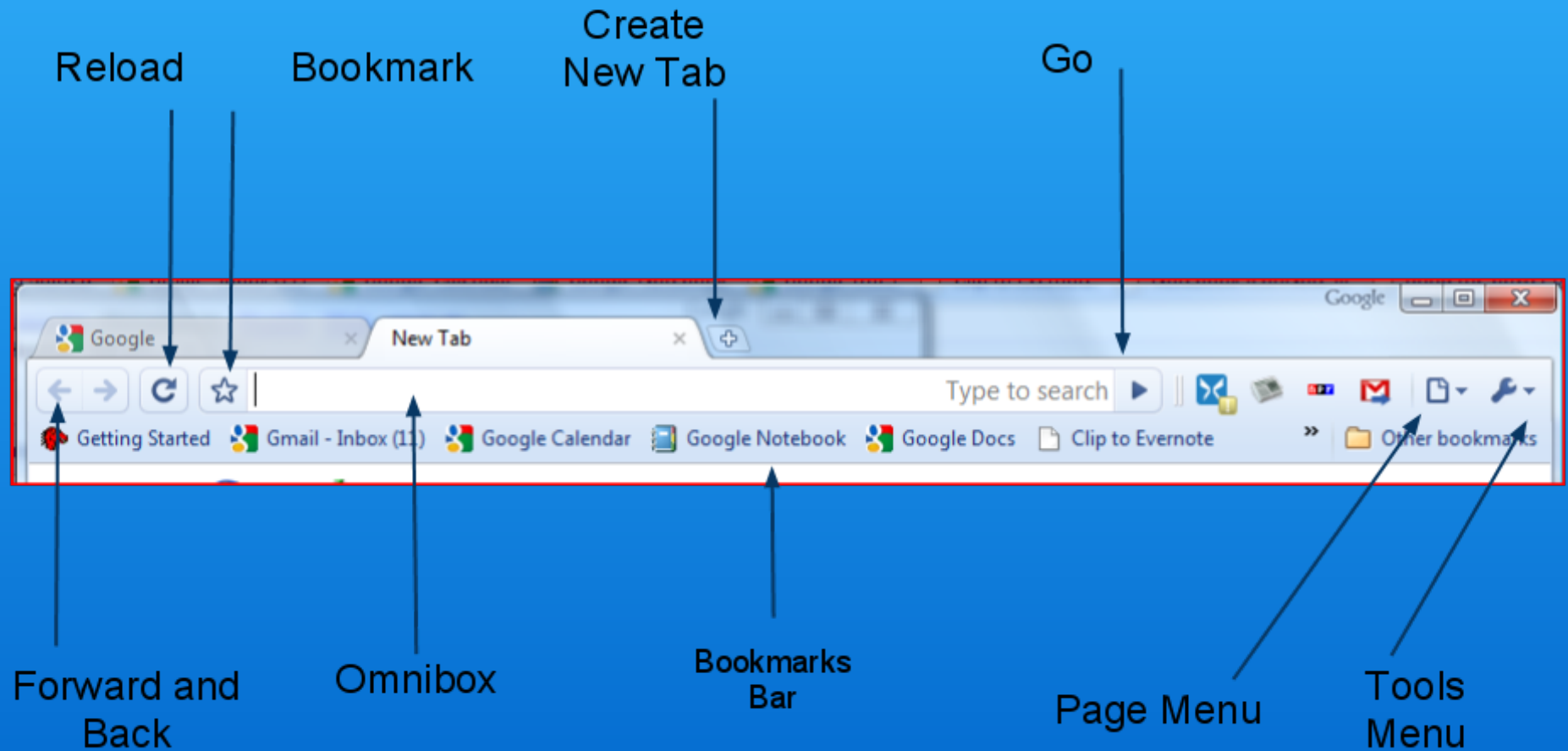
Compare IE, Firefox and Chrome Screens -3



Some Advantages of Chrome Browser

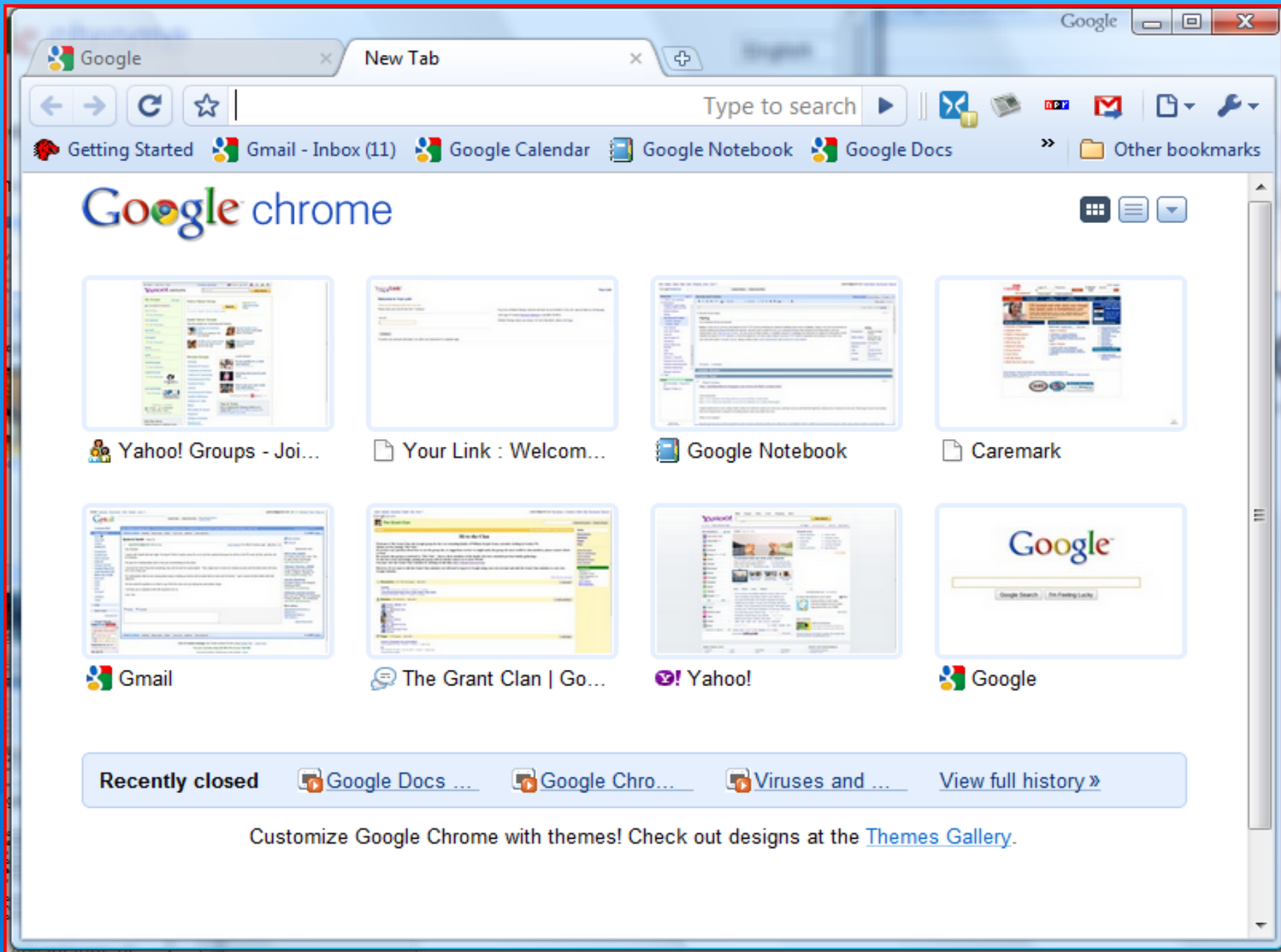
- Loads faster - and loads new tabs faster
- Runs applications faster - gmail, Google apps,
- Safer - Every time you load Chrome, it automatically downloads a list of web sites that Google knows are bad - and warns you if you attempt to, or are tricked into visiting
- Design is more reliable - a badly designed web site is less likely to crash the whole program - only the affected tab "dies"
- The Omnibox - combines the address bar and the search bar - so there's only one place to enter your URL or your search terms - so much simpler - and that's just for starters
- Self-synchronizing bookmarks - bookmarks are available on any machine

Finding Your Way Around Chrome

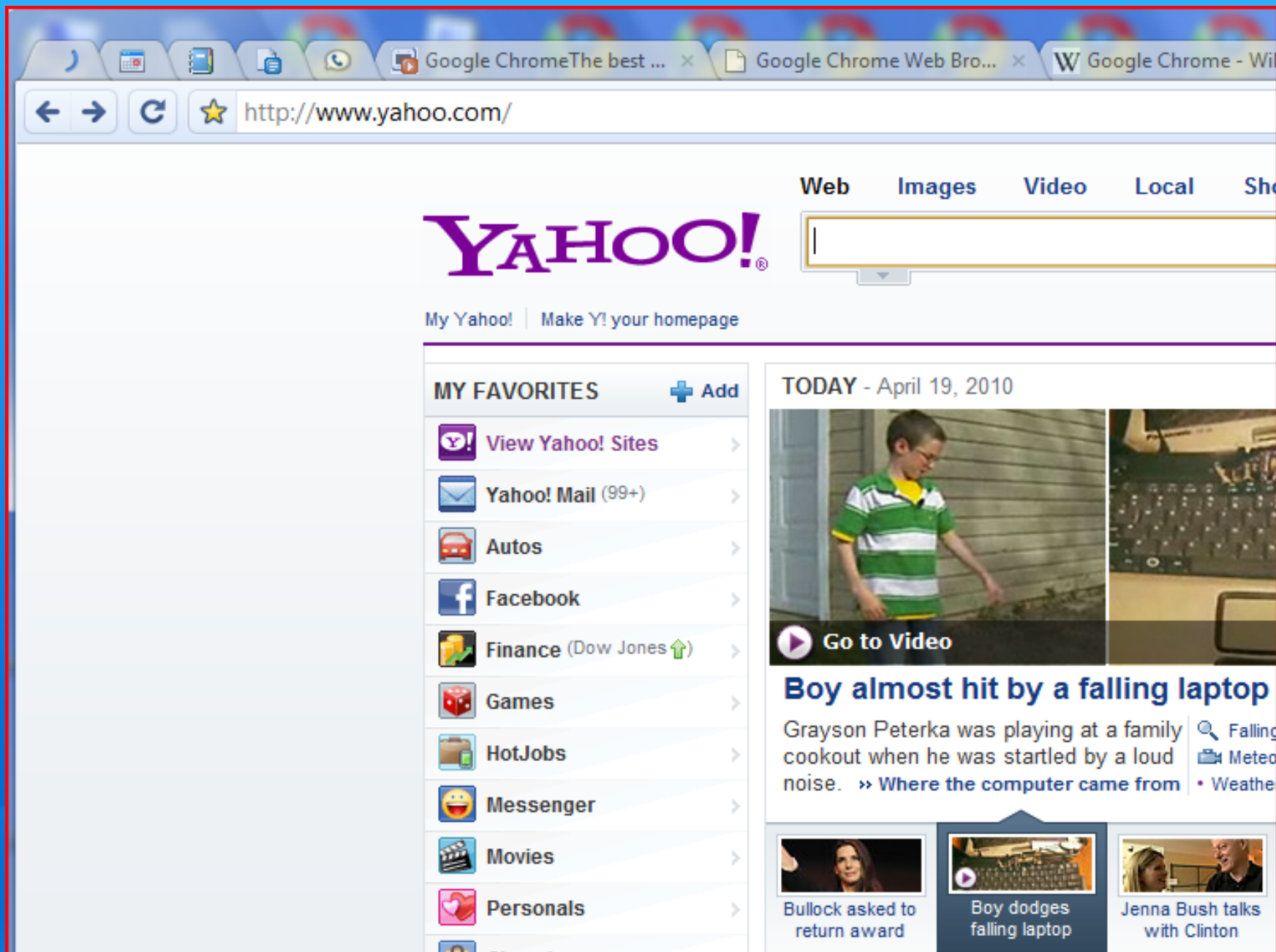


Page menu is a combination of the file and edit menu of a traditional browser. The Tools menu (wrench) is a combination of settings and options - more advanced features

Chrome - New Tab Page



"Clutter-mode" (Tabs and address still visible)



The image shows a screenshot of the Yahoo! homepage in a browser window. The browser's address bar displays the URL <http://www.yahoo.com/>. The page features the Yahoo! logo, a search bar, and navigation links for Web, Images, Video, Local, and Shopping. A sidebar on the left lists "MY FAVORITES" including View Yahoo! Sites, Yahoo! Mail (99+), Autos, Facebook, Finance (Dow Jones), Games, HotJobs, Messenger, Movies, and Personals. The main content area shows a "TODAY - April 19, 2010" section with a video player and a headline: "Boy almost hit by a falling laptop". Below the headline is a short article snippet: "Grayson Peterka was playing at a family cookout when he was startled by a loud noise. » Where the computer came from". At the bottom, there are three small video thumbnails with captions: "Bullock asked to return award", "Boy dodges falling laptop", and "Jenna Bush talks with Clinton".

Google ChromeThe best ... x Google Chrome Web Bro... x W Google Chrome - Wi

Web Images Video Local Sho

YAHOO!

My Yahoo! | Make Y! your homepage

MY FAVORITES [+ Add](#)

- [View Yahoo! Sites](#)
- [Yahoo! Mail \(99+\)](#)
- [Autos](#)
- [Facebook](#)
- [Finance \(Dow Jones ↑\)](#)
- [Games](#)
- [HotJobs](#)
- [Messenger](#)
- [Movies](#)
- [Personals](#)

TODAY - April 19, 2010

[Go to Video](#)

Boy almost hit by a falling laptop

Grayson Peterka was playing at a family cookout when he was startled by a loud noise. » [Where the computer came from](#) • [Weather](#)

[Bullock asked to return award](#) [Boy dodges falling laptop](#) [Jenna Bush talks with Clinton](#)

The "No-clutter" mode (This is the top of the screen!)

The image shows the top portion of the Yahoo! homepage. At the top right, there are navigation links for **Web**, **Images**, **Video**, **Local**, **Shopping**, and **More**. Below these is the **YAHOO!** logo in purple and a search bar. Under the logo, it says "My Yahoo! | Make Y! your homepage".

On the left side, there is a sidebar titled **MY FAVORITES** with a "+ Add" button. The list includes: View Yahoo! Sites, Yahoo! Mail (99+), Autos, Facebook, Finance (Dow Jones ↑), Games, HotJobs, Messenger, Movies, Personals, Shopping, and Sports.

The main content area features a date header: **TODAY - April 19, 2010**. Below this is a video player showing a boy in a green and white striped shirt. A "Go to Video" button is overlaid on the video. The video title is **Boy almost hit by a falling laptop**. The text below the video reads: "Grayson Peterka was playing at a family cookout when he was startled by a loud noise. » Where the computer came from". To the right of the text are search-related links: "Falling object odds", "Meteors in the sky", and "Weather delays shuttle".

Below the video player is a row of four small thumbnail images with captions: "Bullock asked to return award", "Boy dodges falling laptop" (which is highlighted), "Jenna Bush talks with Clinton", and "Secrets from real dentists".

At the bottom of the main content area, there is a pagination indicator "1 - 4 of 40" and navigation arrows. At the very bottom, there are links for **NEWS**, **WORLD**, **LOCAL**, and **FINANCE**, along with an upward-pointing arrow.

A Little Tour of Chrome

- Open a new tab - review salient points
- Show Pinned tabs
- Show re-arranging tabs
- Pull tab out of browser and return

- Examine Page menu
 - Find in page
 - Save page as...
 - Zoom
- Examine Tools Menu
 - New Tab/Window/Incognito
 - Bookmark Manager

- Note addition of Browser Extensions in presentation slides
- Next week - How to install - demo - if requested ;-)

Plug-ins - Flash, Adobe Reader, Java, Quicktime

Flash: Enables you to watch YouTube videos and play online games. Many Web sites also use Flash for navigating menus and to display advertisements.

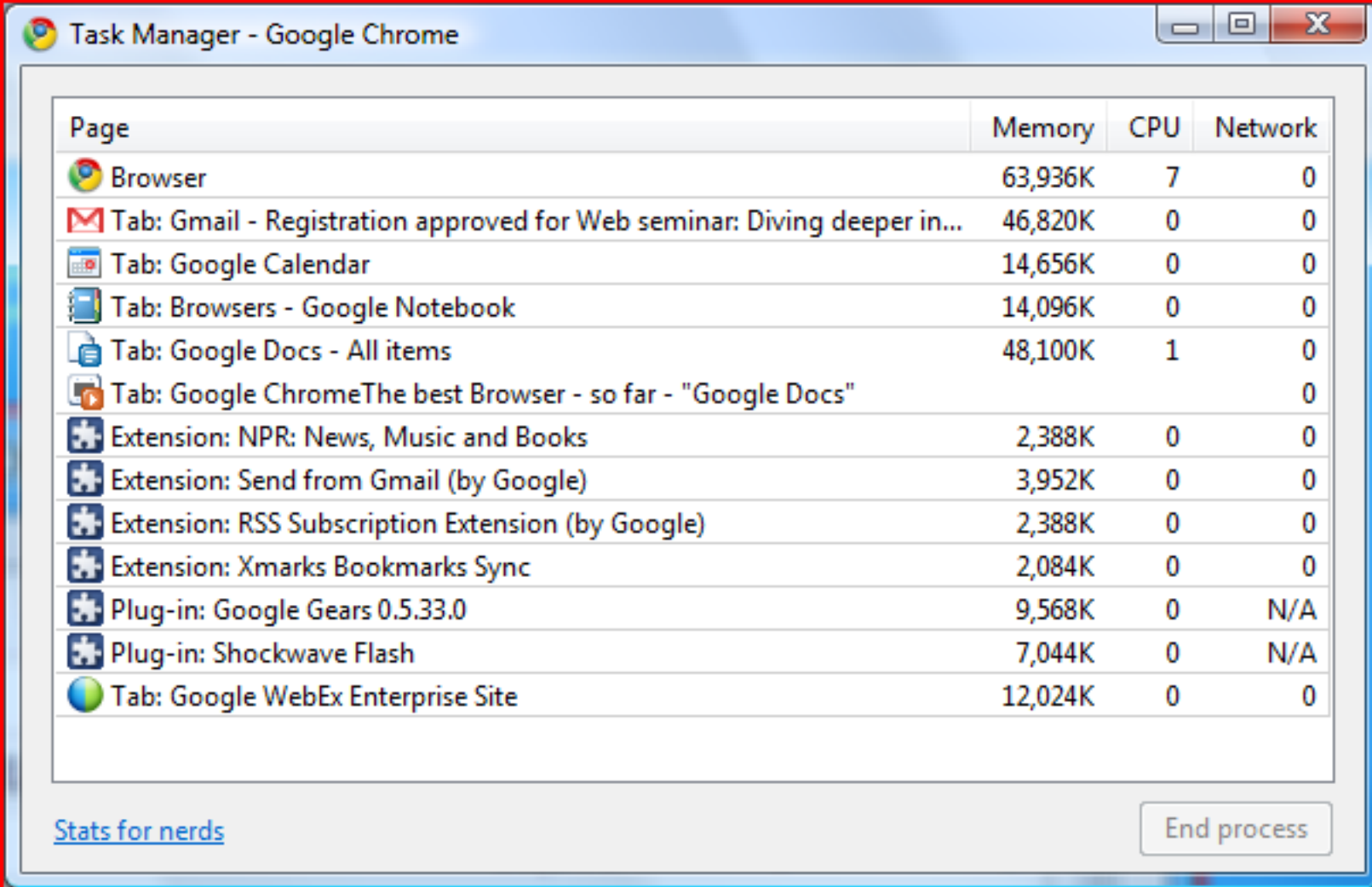
See: www.adobe.com/go/getflash

Adobe Reader: Opens any PDF file (PDF files are digital replicas of paper documents that can be opened on any platform. See: www.adobe.com/go/getreader

Java: This is used on many Web sites to display 3-D views and to animate some video games and to enable many other interactive pages. See: www.java.com

QuickTime: View high definition streaming video and virtual tours. See: www.Quicktime.com. If you have iTunes, you'll have QuickTime.

Tab Manager- Press Shift-Esc



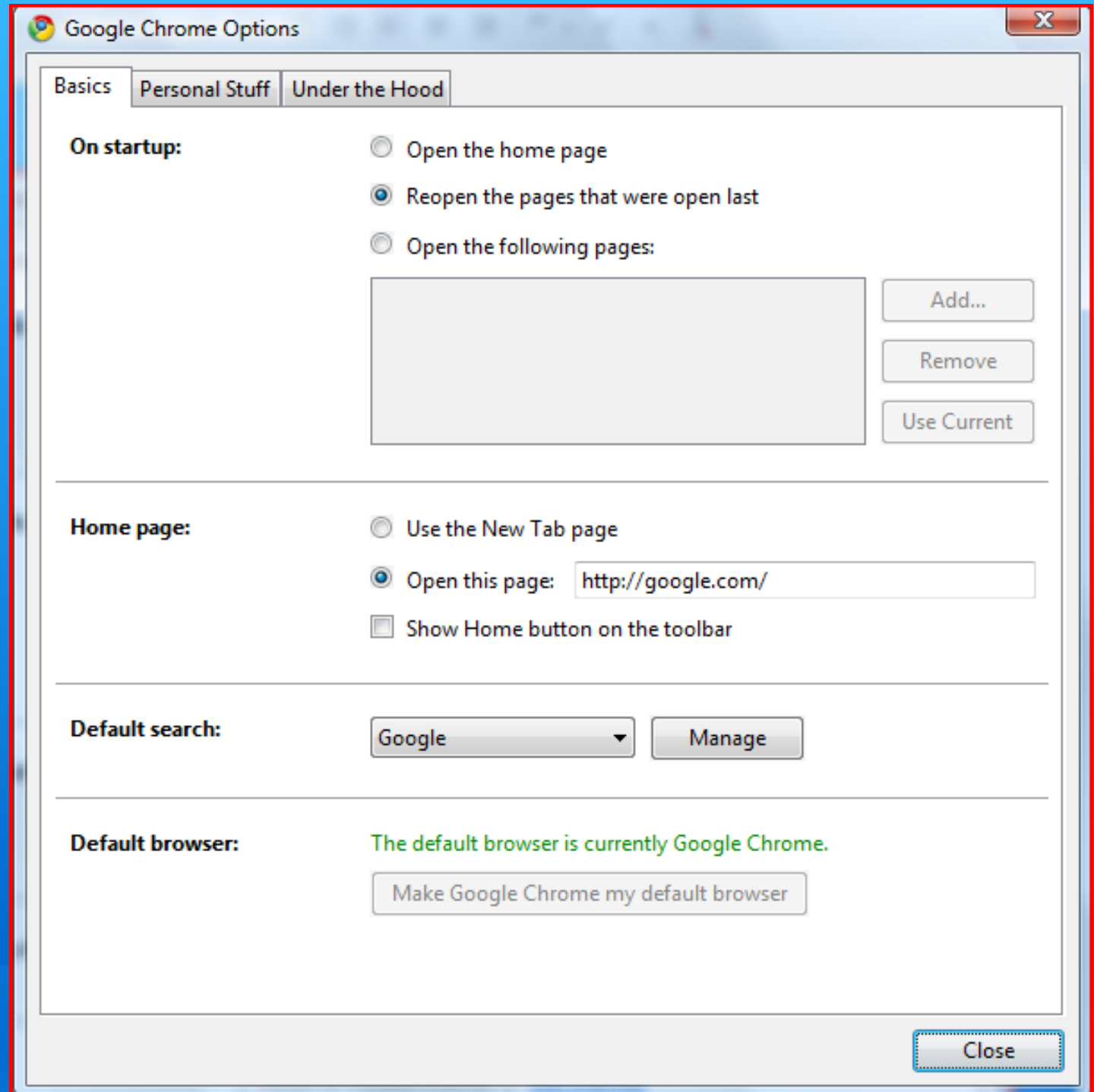
The screenshot shows the Chrome Task Manager window, titled "Task Manager - Google Chrome". It displays a table of browser components and their resource usage. The table has four columns: Page, Memory, CPU, and Network. The components listed include the main browser process, several tabs (Gmail, Google Calendar, Google Notebook, Google Docs, and a Google Chrome tab), and various extensions and plug-ins (NPR, Send from Gmail, RSS Subscription, Xmarks, Google Gears, and Shockwave Flash). At the bottom left, there is a link for "Stats for nerds", and at the bottom right, there is an "End process" button.

Page	Memory	CPU	Network
Browser	63,936K	7	0
Tab: Gmail - Registration approved for Web seminar: Diving deeper in...	46,820K	0	0
Tab: Google Calendar	14,656K	0	0
Tab: Browsers - Google Notebook	14,096K	0	0
Tab: Google Docs - All items	48,100K	1	0
Tab: Google ChromeThe best Browser - so far - "Google Docs"			0
Extension: NPR: News, Music and Books	2,388K	0	0
Extension: Send from Gmail (by Google)	3,952K	0	0
Extension: RSS Subscription Extension (by Google)	2,388K	0	0
Extension: Xmarks Bookmarks Sync	2,084K	0	0
Plug-in: Google Gears 0.5.33.0	9,568K	0	N/A
Plug-in: Shockwave Flash	7,044K	0	N/A
Tab: Google WebEx Enterprise Site	12,024K	0	0

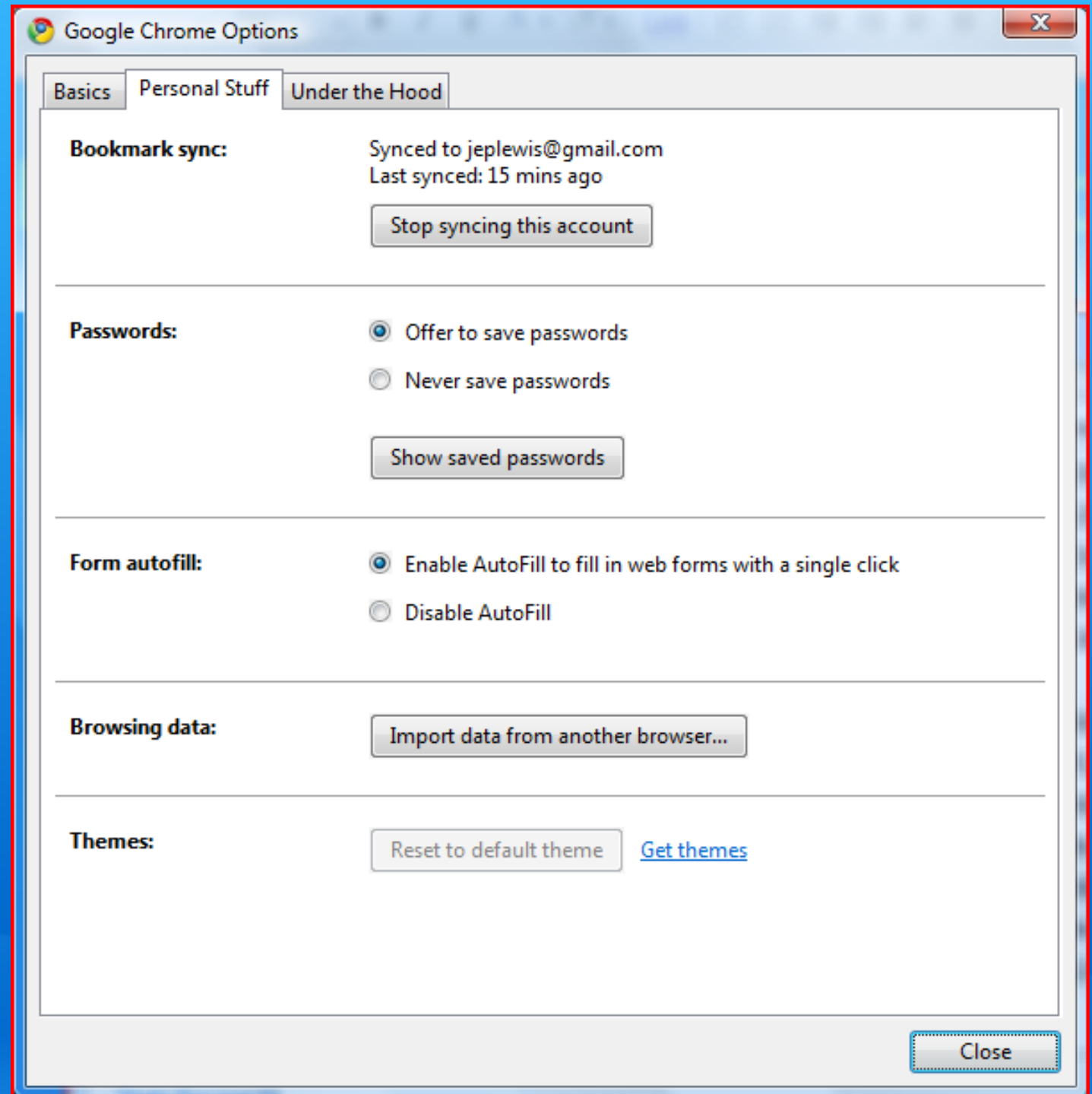
[Stats for nerds](#) End process

Or Right-click Chrome Title bar.

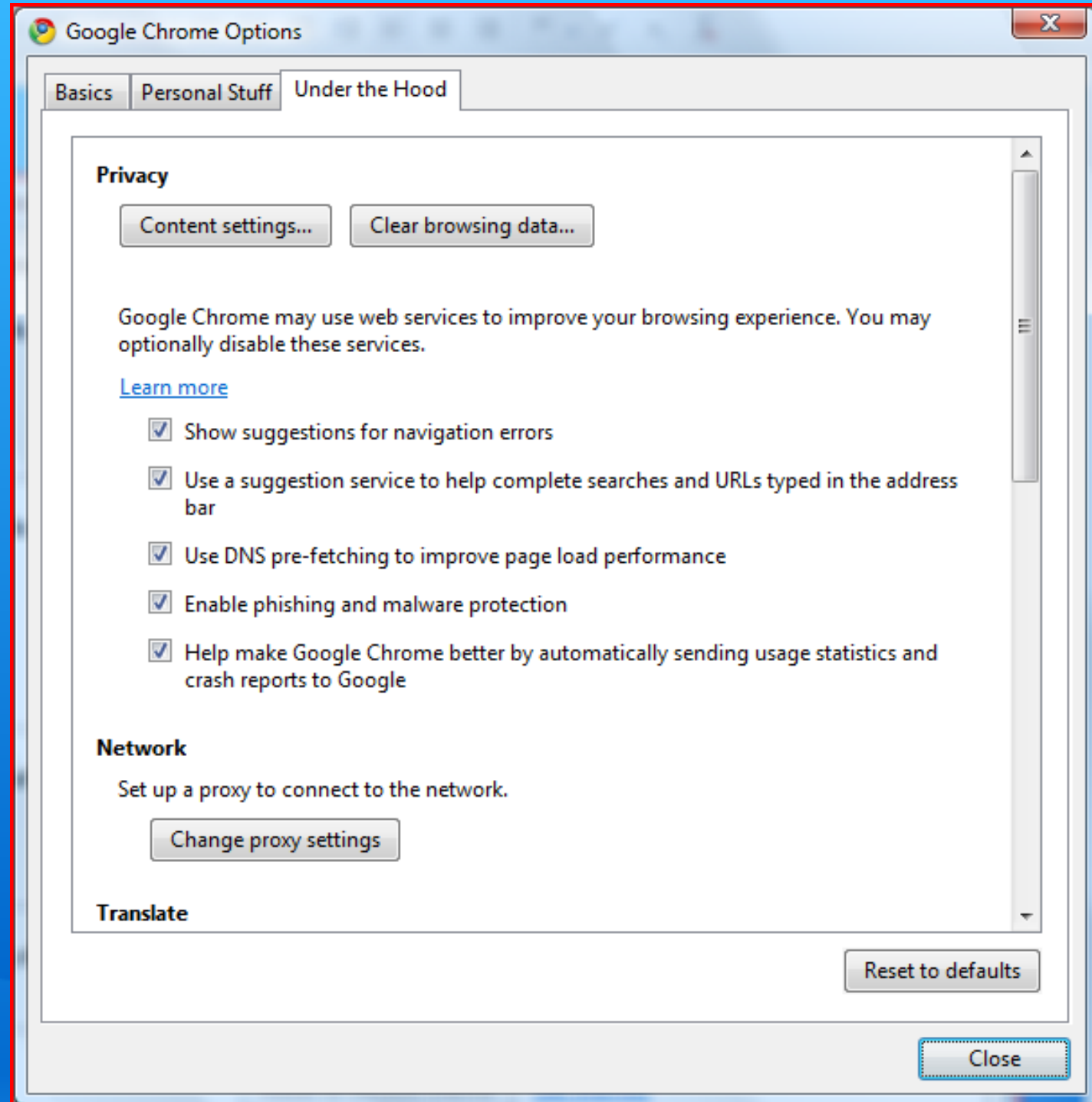
Google Chrome Options Window 1



Google Chrome Options Window 2



Google Chrome Options Window 3



Cool Web Links on Chrome

Google Chrome - Getting Started - see "What is a browser?"

<http://www.google.com/support/chrome/bin/topic.py?topic=14659>

Bullet List of Features

<http://www.drostdesigns.com/google-chrome-web-browser-benefits-and-uses/>

Pro-Firefox Review

<http://addiator.blogspot.com/2008/09/firefox-versus-chrome-points-analysis.html>

Wikipedia on the Chrome Browser

http://en.wikipedia.org/wiki/Google_Chrome

The cartoon

http://www.google.com/googlebooks/chrome/big_00.html

More Pros and Cons

<http://hubpages.com/hub/Google-Chrome-Advantages-Disadvantages>

Official Google Chrome Blog

<http://googleblog.blogspot.com/2009/07/introducing-google-chrome-os.html>