Just

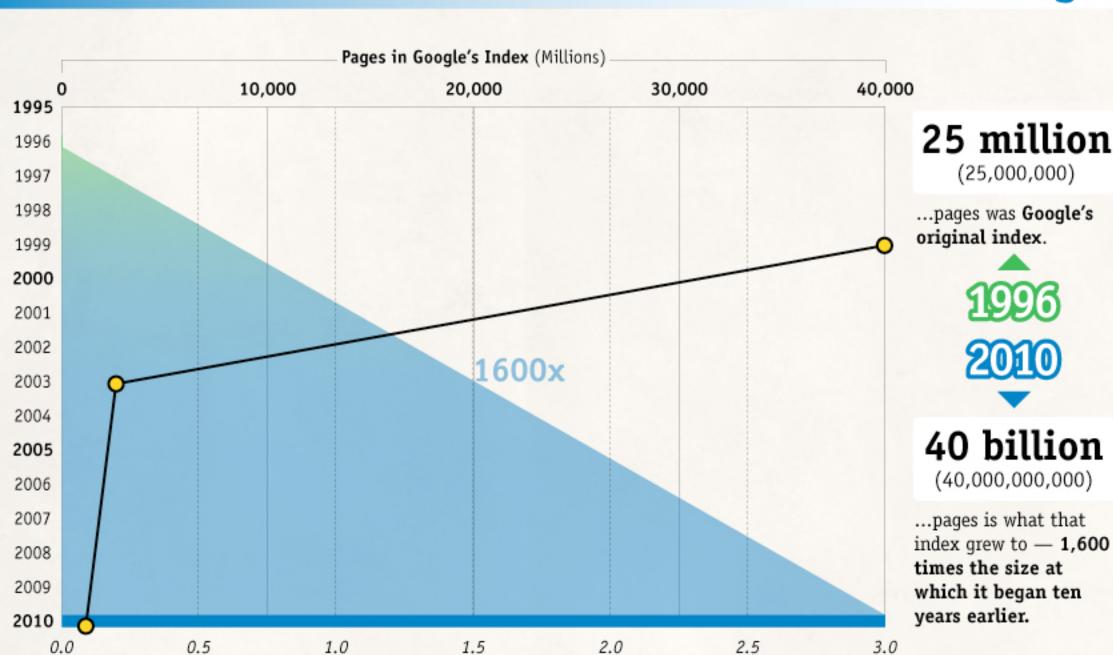
is Google, anyway?

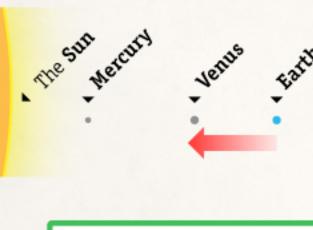
It's a closely guarded secret, but with a bit of mathematics we can get fairly close to estimating how gigantic it is in real terms...

A googol is:

...or 1 followed by 100 zeros (the amount of electrons in the entire Universe is estimated to be 1 followed by 79 zeros). A googolplex is even larger — 1 followed by a billion billion zeros — and the Universe would have to be a trillion times larger to physically write this out, even in particle-sized writing.

The Size of Google





Over 1 trillion unique URLs if typed end to end, these web addresses would stretch 51 million km, a third of a distance to the sun.

Average Search Time (Seconds)



There are roughly

100 trillion words on the internet. A

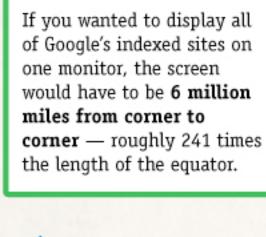
typist averaging 40

wpm would have to

years to type them.

work for 4.75 million

If each of Google's average of 20 billion unique pages was to fit on an A4 sheet of paper, it could carpet North America with paper almost 5 sheets thick.



Gmail's current storage allowance across all users is equal to 1.74 billion full audio CDs. Stacked, they would reach 2,088 km high - 236 times taller than Everest.

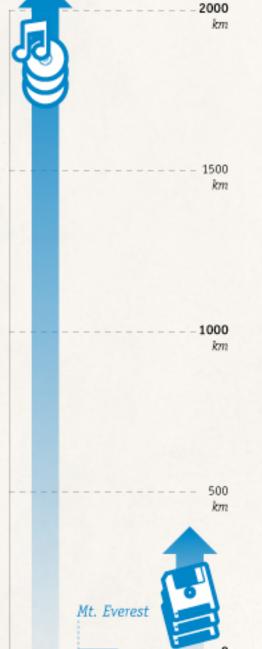
There are 1.5 billion



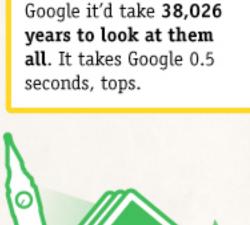
If it took you one minute

to search each page on

Google hopes to index around 100 petabytes of information in the near future, the equivalent data of half of all material ever printed in human history.



images on Google — to save them all, you would need 112 million floppy disks resulting in a stack 391 km high. 1.8 billion people are





store the Google index.

Collectively they would

weigh 1,063 tonnes and

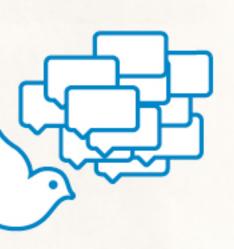
could stretch from London

to Paris if laid end to end.

connected to the Internet — roughly the same amount of humans living on the planet in the 1920s. You'd need to turn Within the next 1.2 million trees year Google's

The amount of data stored in the world totals 1.2 zettabytes,

which is equal to



into paper in order to print the 24 petabytes of information Google processes every day.



storage capacity could hit 1 exabyte, the same as 50,000 years of DVD quality video.

everyone in the world posting on Twitter non-stop for a century. Google's Money



Google's operating income, equal to the GDP of the

\$8.3 billion

Cayman Islands, Greenland, Dominica, Maldives, Mongolia and Barbados combined. \$1



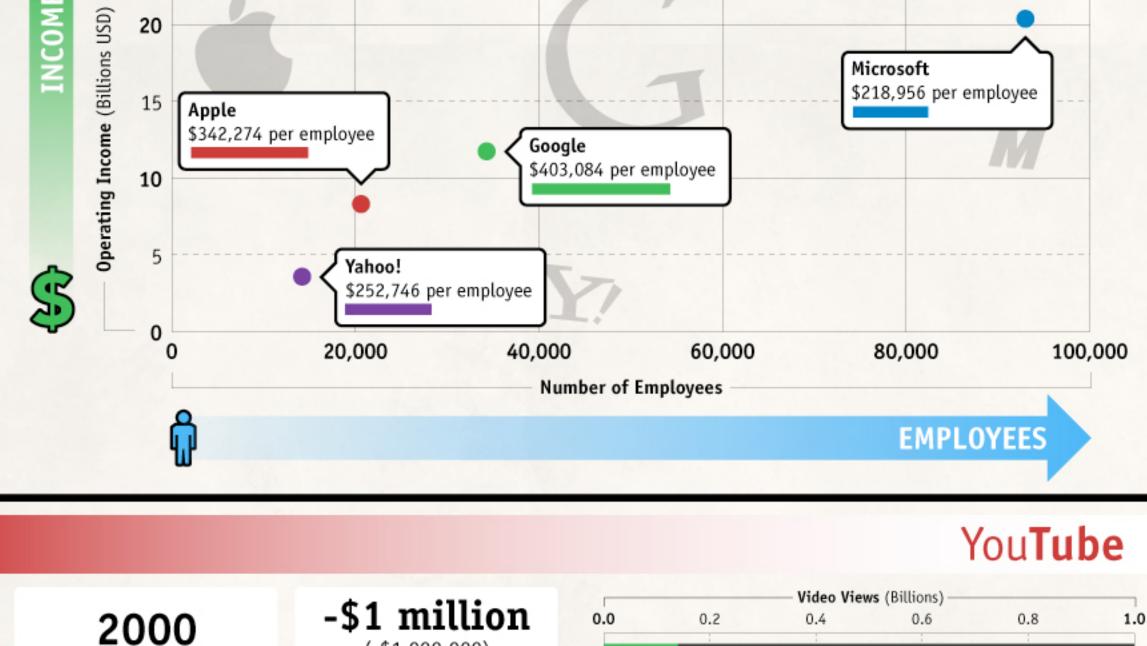
0

Larry Page's personal fortune (each)

Google founders Sergey Brin &

25

Profitability by Staff Member



much bandwidth per day as the whole Internet did in

Since the takeover by

2000.

Google, YouTube uses as

from only 14% of its 1 billion video views per day.

(-\$1,000,000)

YouTube is still suspected to be running at a loss, costing

over \$1 million per day to run

and only generating revenue

was housed in Lego.



Charlie Bit My Finger The very first Google storage system in 1996

Collectively, three and a half years have been spent watching the video.

YouTube submission of all

time at 205,500,000 views.

Google's data centres are **now** housed in normal shipping containers, with the servers in

each powered by standard 12 volt

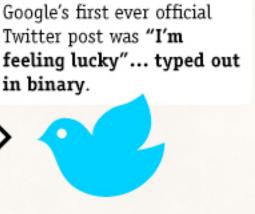
meaning that close to four years worth of video is uploaded **every day**.

...and Other Stuff

batteries if the main power fails.



I'm 01100110 01100101 01100101 01101100 01101001 01101110 01100111 00100000 01101100 01110101 01100011 01101011 01111001 00001010



Google allows dogs in on site, but not cats. Google as a verb was first added to the Merriam Webster



and Oxford English Dictionary in 2006.

SOURCES http://news.cnet.com/8301-1001_3-10209580-92.html

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