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To: "Matthew Rizzo" <mrizzo@youtube.com>
From: "David Chandler" <chandler@google.com>
Cc: "Cuong Do" <cdo@youtube.com>, "Jeremy Doig" <jeremydo@google.com>, "Joe White" <whitej@google.com>, "David Stoutamire" <dps@google.com>
Bcc:
Received Date: 2006-11-16 00:39:01 GMT
Subject: Re: Dear YouTube Search Engine Keepers

Redacted Pursuant to
Protective Order at
Request of Defendants

Matthew and I spoke. To get to Milestone 1 it's perhaps just a matter of modifying the existing Python script that handles document additions/deletions/updates to use the google Python APIs that vsp_insert.py once used (when Google Video was using mysql + python) to tell my mustang index of updates. Eventually the youtube.com python frontend must be modified to speak to our mustang index, but that's a later milestone and should be straightforward since there's a google python API for that part of things too. Yay SWIG.

I'm going to fly up to Mountain View/San Bruno Monday at noon and stay the rest of the 3-day work week. I'm not attached to actually getting anything done, but it will be nice to meet Matthew in person and I'll be available to anyone with questions if I can find a chair and network access. If not I'll hang out at the googleplex and enjoy gourmet food and gourmet network access.

-David

On 11/15/06, Matthew Rizzo <mrizzo@youtube.com> wrote:

> "Related videos" on the right hand side of the flash player match one
> or more of the keywords of the video you are watching. The videos in
> the flash player are from a recommendation engine and does not come
> from PyLucene. We served the watch page [redacted] times on saturday
> so that is about [redacted] per second queries from just that. We cache
> some of the results in memcache, but I think that is pretty much in
> the ballpark.

>
> Talk to you tomorrow,

>
> Rizzo

> On Nov 14, 2006, at 11:34 PM, David Chandler wrote:

>
>> 14:00 works. When a video gets watched, I'm curious what query is
>> generated. Is this PyLucene index responsible for the related videos
>> (in the flash player at the end and outside of it)?

>>
>> -David

>>
>> On 11/14/06, Matthew Rizzo <mrizzo@youtube.com> wrote:

>>>
>>> We are maintaining 4 indexes; one each for video, user, playlists and
>>> groups. Video is used most while the others get a comparatively
>>> infinitesimal amount of traffic. I will focus on video since that is
>>> our primary business and is a larger problem than the other 3 indexes
>>> combined. We currently get about [redacted] queries per second on our
>>> video search during peak times. We issue 3 different types of queries
>>> and allow 5 ways to sort.

>>>
>>> We issue a search when:

> >> > Source code is useful, so as soon as you figure out how to share
> >> that
> >> > with other Googlers, I'd benefit from reading it.
> >> >
> >> > Also, how many search queries per second do you get at peak?
> >> How many
> >> > videos are in your index? How fast is it growing?
> >> >
> >> > -David
> >> >
> >> > On 11/14/06, Matthew Rizzo <mrizzo@youtube.com> wrote:
> >> >> Hello all,
> >> >> How do you guys want to move forward on this? Let me know what
> >> >> information you need from me. I don't have intranet access yet I
> >> >> think that will come tomorrow or thursday.
> >> >>
> >> >> Feel free to use my google email if that is easier for you
> >> >> (mrizzo@google.com)
> >> >>
> >> >> Rizzo
> >> >> On Nov 14, 2006, at 3:31 PM, Cuong Do wrote:
> >> >>
> >> >> > David,
> >> >> >
> >> >> > I'm CC'ing Matt Rizzo on this e-mail. He is the keeper of
> >> YouTube
> >> >> > search and will likely be leading the effort to integrate into
> >> >> > Google Search from the engineer side.
> >> >> >
> >> >> > Cuong
> >> >> >
> >> >> > On Nov 14, 2006, at 2:59 PM, David Chandler wrote:
> >> >> >
> >> >> >> Hi Cuong,
> >> >> >>
> >> >> >> Jeremy tells me you wrangle youtube's backend. I'm the
> >> >> >> wrangler of
> >> >> >> Google Video's search index, and I'd appreciate it if you could
> >> >> >> put me
> >> >> >> in contact with the right engineers to talk about getting
> >> >> >> youtube's
> >> >> >> docs in our search index. I hope we can do a better job of
> >> >> >> ranking
> >> >> >> them than you currently do and hope to take some of the load
> >> >> >> off of
> >> >> >> your shoulders so you can focus on youtube's strengths.
> >> (Google
> >> >> >> Video
> >> >> >> and Google Search also both want to search over youtube's
> >> >> >> videos.)
> >> >> >>
> >> >> >> Regards,
> >> >> >> David
> >> >> >>
> >> >> >> wo [REDACTED]
> >> >> >> cel [REDACTED]
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