

Using for In Situ Information Retrieval System Evaluation

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CrowdLogger

 [Logging: on] Click to pause logging

 Settings

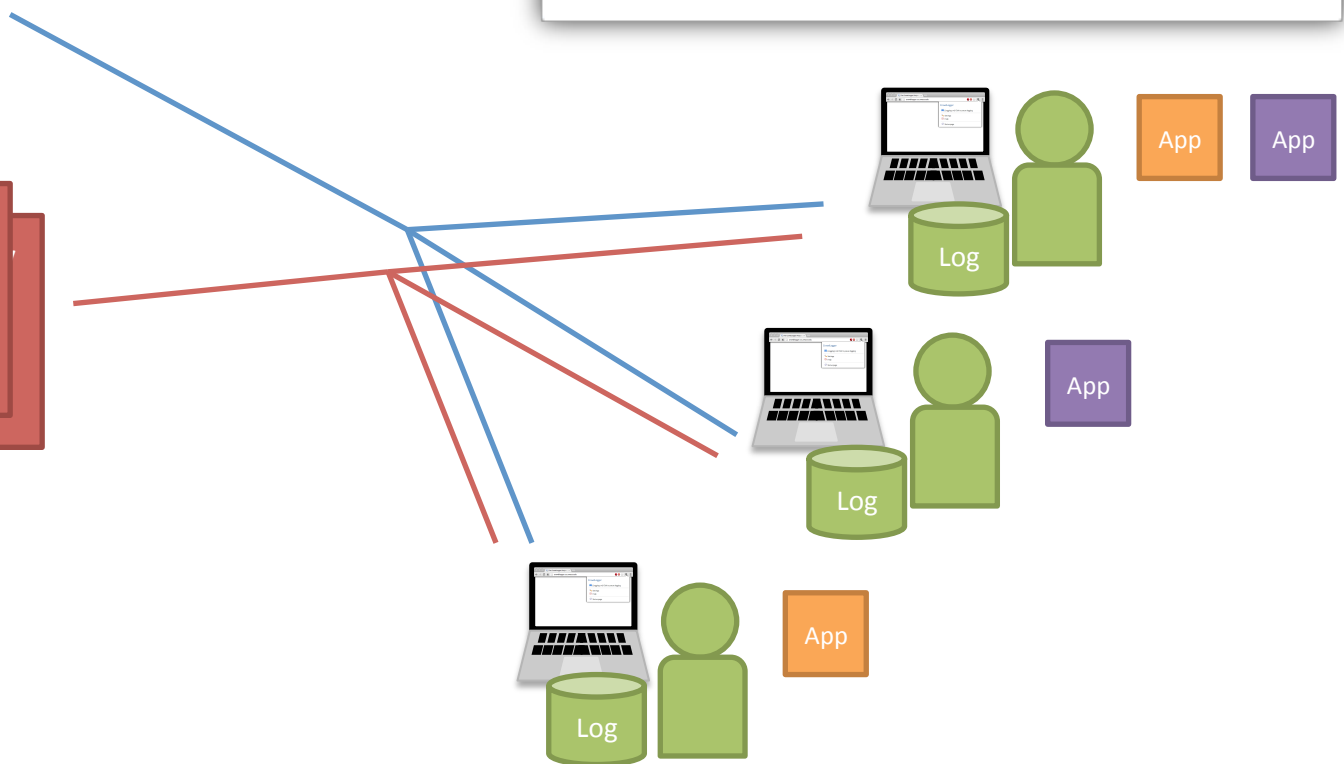
 Help

 Status page



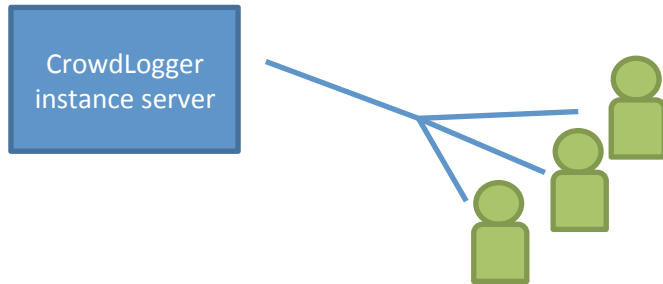
CrowdLogger instance server
(e.g., <http://crowdlogger.org>)

App Repository
App App

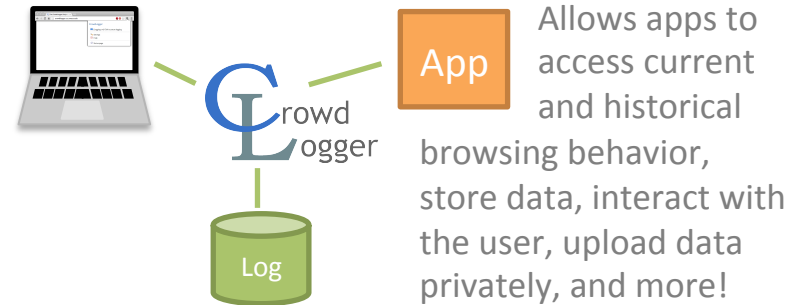


Advantages

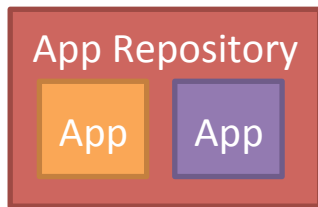
User Base = Participant Pool



Rich API



Apps can be developed by anyone



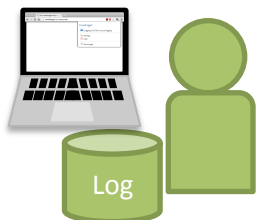
And distributed from a private repository, or a CrowdLogger server instance.

Open Source



The entire code base is available from our Google Project page:
<https://code.google.com/p/crowdlogger/>

Users' data logged locally



If an app wants to upload data somewhere else, they need permission from the user.

Multiple apps at the same time



CrowdLogger is somewhat akin to a smart phone or tablet—it's an extensible, general-purpose platform with a convenient API.

Recent Messages

There are no new messages of 1 total messages.
The most recent message is from April 2 ("Welcome to CrowdLogger!").
[Click here to see all messages.](#)

Apps



Version 1.5
This is just a demonstration message, please ignore.

[Open](#) [Configure](#) [Disable](#) [Remove](#)

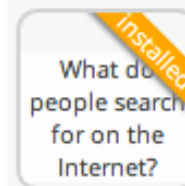


[Enable](#) [Remove](#)

Tools

[Settings](#) [Register](#)
[Search histogram](#) [View browsing log](#)
[Clear entire log](#) [Install apps & studies](#)

Studies



A questionnaire is ready for you to fill out.
Click the "Open" button to fill it out.
Thanks!

[Open](#) [Configure](#) [Disable](#) [Remove](#)

Feedback

If you have any comments or suggestions about the CrowdLogger system that you would like to let us know, you can email us at info@crowdlogger.org or [leave an anonymous message at this web page.](#)

There are not many settings just yet. More will show up as we further develop CrowdLogger.

App/Study repositories

Below are listed the repositories currently loaded.

```
http://localhost/~hfeild/cl-test/html/clarms/clarms.php
```

```
http://localhost/~hfeild/test-clarms/clarms.php
```

Developer mode

Adds a link to the Welcome Wizard in the main menu and a link to developer tools in the "Tools" section of the status page.

On

Off

UWSB—Main

Understanding Web Search Behavior

Dashboard

The following assignments are ready for your attention. As you complete them, they will

- Start** **Trivia Search**—Search Google for the answer to a trivia question.
- Start** **Task Grouping**—Organize your search history into search tasks.
- Start** **Page relevance**—Mark web pages as relevant (or not) to some of your recent search queries.
- Start** **Query relevance**—Mark search query suggestions as relevant (or not) to some of your recent search queries.
- Start** **Data upload**—Review and upload your browsing history and study data. You will have a chance to remove data you do not want uploaded.

This is software for a UMass Amherst user study conducted by Henry Feild and James Allan. [Please](#)

UWSB—Task grouping

Understanding Web Search Behavior

Task Grouping

Considering all of your search activity—both your personal searches as well as those pertaining to the Trivia search—since the beginning of the study, we have automatically grouped your activity into the following search tasks. Each search task should:

- consist of all search queries from your search activity that pertain to a particular information need
- only include search queries that pertain to the same information need

What constitutes an information need is subjective; it may be general ("I'd like to know more about the history of Massachusetts") or very specific ("How tall is Tom Cruise?"). Some information needs are complex, such as the steps required in planning a trip. A helpful question to ask yourself when deciding if two search queries should be grouped is: **Were my intentions behind these two actions the same?**

The automatically generated groups appear below. Please drag and drop search queries between the groups until you are happy with the grouping, then click "Finished".

UWSB—Data upload

Understanding Web Search Behavior

Data upload

We would like to upload your search activity. Please review the search queries and page visits that will be uploaded. You may hide any data you would prefer not be uploaded—you do not have to give a reason, but providing one will help us understand subjects' reservations for uploading data.

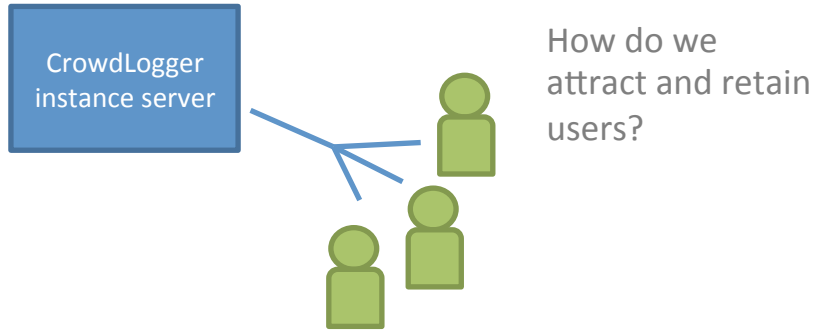
Hiding will result in the search query text or page view address being replaced with "SEARCH QUERY HIDDEN" or "PAGE VIEW HIDDEN", respectively, in the uploaded data.

We have broken page views into two groups: page views where we were able to extract the page title, in which case we display the title ("Web page titles"), and those where we were not ("Web page URLs"). In both cases, you can click on the displayed text to open the page in a new window.

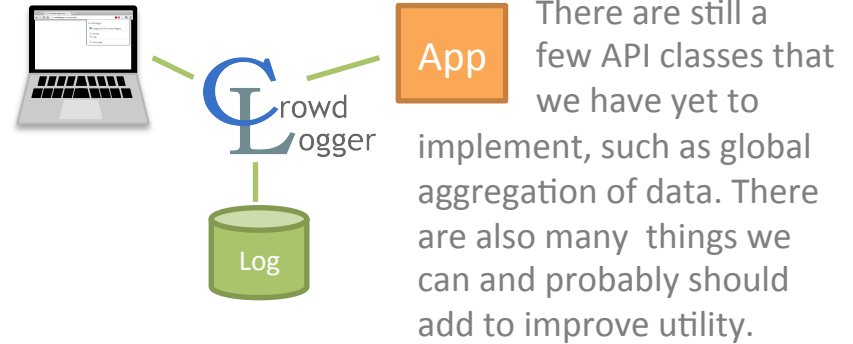
Search queries	Hide because...
css inset text	Don't hide
css text shadow	Don't hide
disabled button	Don't hide
google javascript compiler	Don't hide
ruby on rails mongodb	Don't hide
<i>linux which os am i running</i>	Just hide it
install apache centos	Don't hide
rails servers	Don't hide
tomcat ruby	Don't hide
<i>apache-centos</i>	Some other reason (please specify)
chkconfig	Other: ...
ruby source	Don't hide
mongodb on centos	Don't hide
<i>oreilly</i>	Contains embarrassing information

Challenges/Future work

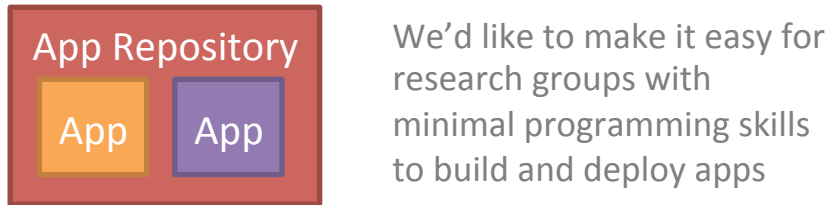
Amassing a large user base



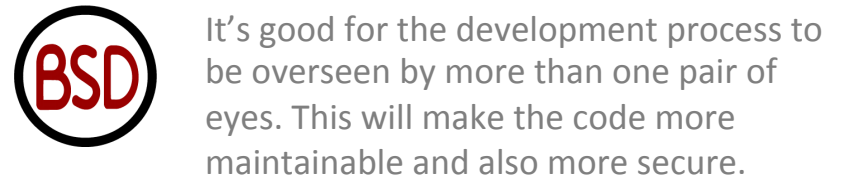
Complete/Extend API



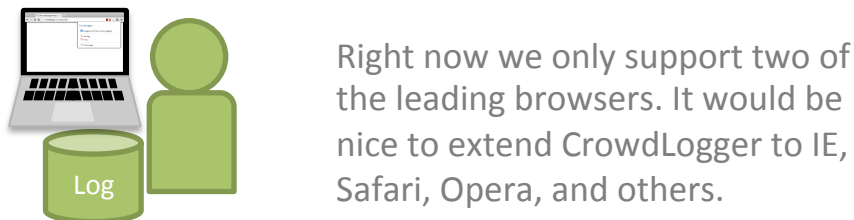
Simplifying app development



Attracting developers



Logging across more browsers



Handling multi-apps environments

