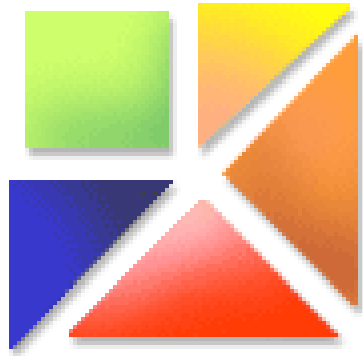


This page intentionally left somewhat blank

A close-up portrait of Richard Boulton, a man with long, dark hair and blue eyes, smiling slightly. He is wearing a dark jacket. The background is a textured wall with a repeating pattern of large, ornate letters and text in gold and blue, reminiscent of a medieval manuscript or tapestry.

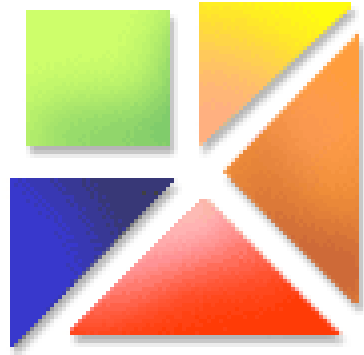
Search as a service with Xapian
Richard Boulton



Xapian

Lucene





Xapian

?



/dev/fort



“Every six months, a dozen web developers go to an easily defensible location, without the internet, and build a website”
– James Aylett

LOOK FOR

search

Tawny Owl (*Strix aluco*)

Your nearest **Tawny Owl** is at [London Zoo](#), **40 miles away** from Duxford, Cambridgeshire (not where you are? [Set your location](#))

See them here



[Menagerie du Jardin des Plantes](#)

In Paris, France. [Visit their official website.](#)



[Fowlmere RSPB Bird Sanctuary](#)

In Fowlmere, United Kingdom. [Visit their official website.](#)

Favourite

Add to favourites

Favourited by **0** people.

Photos



[Les Géants du Ciel](#)

wildlifenearyou.com

Djape

<http://server/dbname/add>

<http://server/dbname/delete>

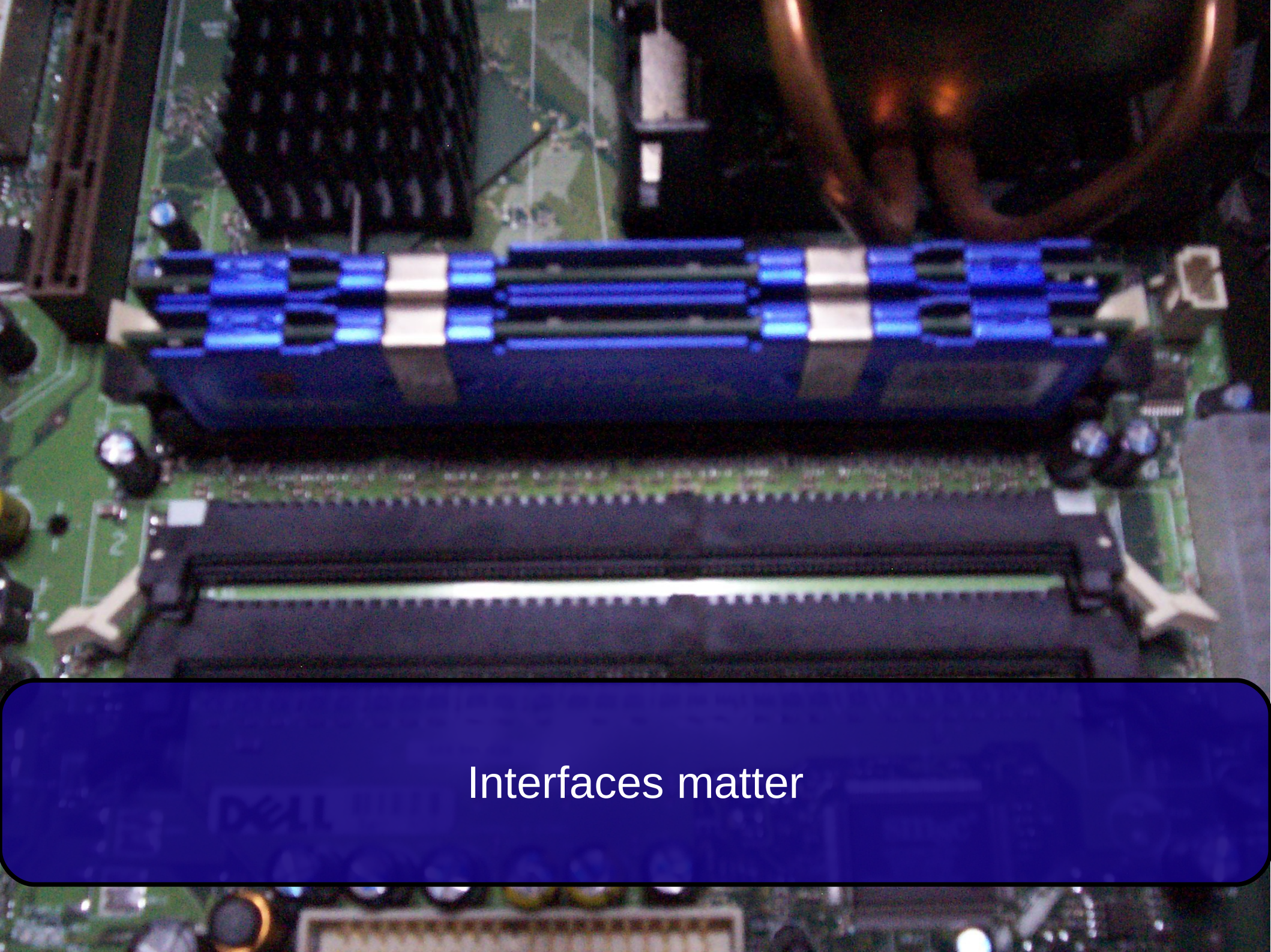
<http://server/dbname/search>

Async, out-of-process, scalable
HTTP/JSON

Throw one away!

- “Flax”
- Rewrite from ground up
- Design a clean REST based protocol

Back to work...



Interfaces matter



Guardian offices, March 2009

PUT to */v1/dbs/dbname*

POST to */v1/dbs/dbname/schema/fields/text*
{ 'type': 'text', 'freetext': {'language': 'en'} }

POST to */v1/dbs/dbname/docs*

{ 'text': ['foo'] }

(or PUT to */v1/dbs/dbname/docs/docid*)

Present the API so far

- Don't throw this one away!

Present the API so far



Yahoo Hackday
24 hours to make a site

More like this



Less like this



Skip for now



[Original article](#) by Cal Evans
published 2009-02-16 07:58:53 in
techPortal.

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Log out. © 2009 Newspan.

On behalf of all of the developers at Ibuildings, I would like to welcome you to our new home on the web. techPortal is the place where we will talk about PHP. We work on a lot of interesting projects and get to work with a lot of cool technologies. Our goal with techPortal is to share what we learn with the wider PHP community. Our hope is that you will visit often, read about the technologies with which we are working, and some of it will spark your imagination.

Ibuildings believe that Information is only valuable when it is shared. When something you read here helps you, make sure and share what you learn on your blog as well.

As we share what we learn, we are always looking for new article ideas. If you have an idea for a topic that you would like to see covered on techPortal, drop us a line at techPortal@ibuildings.com.

Almost all of the articles you will see on techPortal will be written by Ibuildings' developers. We realize that there are a lot of smart developers out there who do not yet work for us. If you have an idea for an article you would like to write for techPortal. All you need to do is visit our [Vacancies](#) page and apply for a position. A job offer from Ibuildings is also an open invitation to write for techPortal.

All of us at Ibuildings hope you learn something from the articles we post and will become part of the conversation.

Sincerely,
Cal Evans

Newspan – learning which news is interesting

Free!

Learn more

<http://searchevent.org/>

“A day of informal presentations, open discussion
and hacking on open source search
technologies.”

Thursday 29th September 2009
Friends meeting house

Another gathering – more ideas and refinement

- Separate search from indexer
- More modularity
- Easier ways to specify searches

What's next?

- Performance – rewrite in C++
- Lower memory overhead
- Expose horizontal scaling features of Xapian
- Easier install – fewer dependencies
- Produce an AMI for Amazon cloud
- Run a fully open source hosted search.

What's next?

- Keep talking to developers and users, to be led by them!

Richard Boulton
richard@tartarus.org

Credits

Andree Stephan:

- http://upload.wikimedia.org/wikipedia/commons/thumb/d/d6/Alderney_-_Fort_Clonque_02.jpg/800px-Alderney_-_Fort_Clonque_02.jpg

Ted Drake:

- <http://www.flickr.com/photos/draket/3517960655/>

Gruntzooki:

- http://farm4.static.flickr.com/3044/2710669746_c973e8b766.jpg