rcouch

An alternative distribution of Apache CouchDB

couchdb conf - 01/27/2013

- Eases the build and deployment
- OTP compliant
- Features powered

- Some improvements
- CouchDB 1.3 based

rcouch

Refuge

- remove the ref counter
- simplify user cache
- more supervision

improve

Refuge

- hot upgrade

- replace the acceptor loop: use ranch with mochiweb

improve

Refuge

- static build
- relocatable binaries
- ~~autotools~~ Make
- OpenBSD/FreebBSD/Linux/MacOSX

static binaries

Refuge

- Erlang release (reltools) with **rebar**
- real Erlang applications
- Improve the supervision
- .....

OTP compliant

Refuge

... It's easy to add applications

- couch_randomdoc : get a random document in a view or a database

```
GET http://server/db/_random_doc
```

foodoverip – 149980785452138496

foodoverip – 14998078545213...

foodoverip.org/random

Google

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Screengrab! Screen saved: "/Users/benoitc/Desktop/foodoverip – 149980785452138496_20130127_131628"

Food Over IP

» go random about

@lsbardel

@Luca Sbardella

> quick risotto ai frutti di mare #foodoverip http://t.co/StMYdxo5

A link to this "food"

Refuge

- couch_dbupdates : Listen for all db changes

```
GET http://server/db/_db_updates
```

- Get view changes

```
GET /<db>/_changes?filter=_view&key=some
```

- Easy filtering: Replicate using view changes

- Get view changes

```
GET /<db>/_changes?filter=_view&key=some
```

- Easy filtering: Replicate using view changes

- https://github.com/refuge/rcouch/wiki/View-Changes

- validate on read
- Simple Javascript function

```
function(doc, userCtx, DbSec) {
...
}
```

- Write-only databases for all but the admins and readers

- update the security object

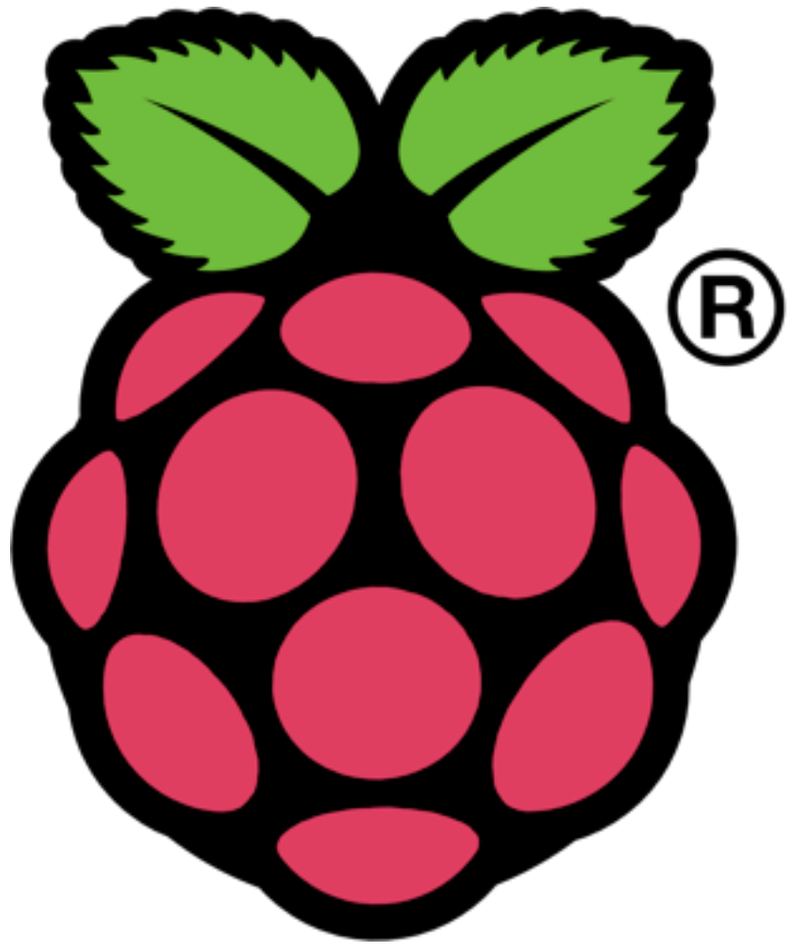
```
{"dropbox": true}
```

- fork of geocouch
- experimenting with sqlite & new geocouch
- need to be BSD licensed or better

- view merge
- new couchapp engine
- ***merge with couchdb***
- ...

coming...

Refuge



raspberry pi

Refuge

Sunday, January 27, 13

- build on latest raspbian
- dnssd discovery
- plug hard disk (detect couchdb dbs)
- wifi ui

- @benoitc
- http://rcouch.org
- http://refuge.io
- http://github.com/refuge.io

Links

Refuge

?

@benoitc