

PiCaS



Outline

- ❑ Overview
- ❑ Server side
- ❑ Client side

Token structure

- ❑ **lock: timestamp in seconds, integer**
- ❑ **done: timestamp in seconds, integer**
- ❑ **type: string**
- ❑ **hostname: string**
- ❑ **scrub_count: integer**
- ❑ **input: dictionary**
- ❑ **output: dictionary**

Token life cycle

_id	"perm1_1"
_rev	"1_3d8f36ea"
type	"perm1_token"
lock	0
done	0
hostname	""
scrub_count	0

lock →

_id	"perm1_1"
_rev	"2_ae61083"
type	"perm1_token"
lock	1379676426
done	0
hostname	"node_01"
scrub_count	0

done →

_id	"perm1_1"
_rev	"3_3d8f36ea"
type	"perm1_token"
lock	1379676426
done	1379677102
hostname	"node_01"
scrub_count	0

scrub ↘

_id	"perm1_1"
_rev	"3_d44f16ea"
type	"perm1_token"
lock	0
done	0
hostname	"node_01"
scrub_count	1

Todo view

- ❑ Queue that clients will take tokens from
- ❑ Returns just the ID of the document containing the token

```
function(doc) {  
  if(doc.type == 'perm1_token') {  
    if(doc.lock == 0 && doc.done == 0) {  
      emit(doc._id, doc._id);  
    }  
  }  
}
```

Locked view

- Shows all the tokens that are currently locked

```
function(doc) {  
  if(doc.type == 'perm1_token') {  
    if(doc.lock > 0 && doc.done == 0) {  
      emit(doc._id, doc._id);  
    }  
  }  
}
```

Done view

- Shows all the tokens that have finished

```
function(doc) {  
  if(doc.type == 'perm1_token') {  
    if(doc.lock > 0 && doc.done > 0) {  
      emit(doc._id, doc._id);  
    }  
  }  
}
```

Iris Couch



Easy CouchDB

Iris Couch is a free hosting service—a couch in the cloud. Sign up to have your own **Apache CouchDB** server.

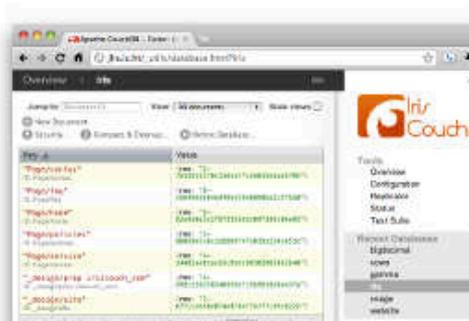
If you can spell your name, you can run CouchDB.

[Sign Up Now](#)

It's Pretty Simple

Iris Couch provides **easy hosted CouchDB**. Sign up for a free couch if any of these sounds appealing.

-  A web server
-  which is also a RESTful database
-  that you query with Javascript



About Iris Couch

Iris Couch seeks to answer the question: Wait, why isn't everyone using **CouchDB**?

We continue the hosting service originated at CouchOne, now **Couchbase**. We provide infrastructure as a service.

Technology