CouchDB

Relax

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CouchDB

The most deployed document store.
What’s CouchDB

• NoSQL/Document Store
Check Server

- `curl http://127.0.0.1:5984/`

  ```json
  {
    "couchdb": "Welcome",
    "uuid": "85fb71bf700c17267fef77535820e371",
    "vendor": {
      "name": "The Apache Software Foundation",
      "version": "1.5.0"
    }
  }
  ```
Creating a Database

• curl -X PUT http://127.0.0.1:5984/albums

  {"ok": true }
Inserting a Document

- curl -X PUT
  http://127.0.0.1:5984/albums/<uuid>
- d '{"title":"Hello", "artist":"World"}'

```json
{
  "ok": true,
  "id": "<uuid>",
  "rev": "1-2902191555"
}
```
CouchDB v.s. MongoDB

- Erlang v.s. C++
- JSON v.s. BSON
- HTTP v.s. Custom Protocol over TCP/IP
- Documents v.s. Collections/Documents
CouchDB v.s. MongoDB

• Ranged Query v.s. Object-based Query
• MR -> View v.s. MR -> Collection
• MVCC v.s. Update in Place
• Master-Master v.s. Master-Slave
What’s CouchDB

• Database Server
• Web Server
What’s CouchDB

- Database Server
- Web Server
- Application Server
YC SB Benchmark

Read latencies against throughput

FROM  http://www.slideshare.net/renatko/couchbase-performance-benchmarking