

Marcio Albuquerque

@mlalbuquerque









NoSQL

Not S () L

Documento

Colunas

Grafos

Documento

Colunas



Grafos



Documento

Colunas



Grafos



Documento

Colunas



Grafos



Colunas

Grafos

Documento

Colunas

Grafos





















HTTP

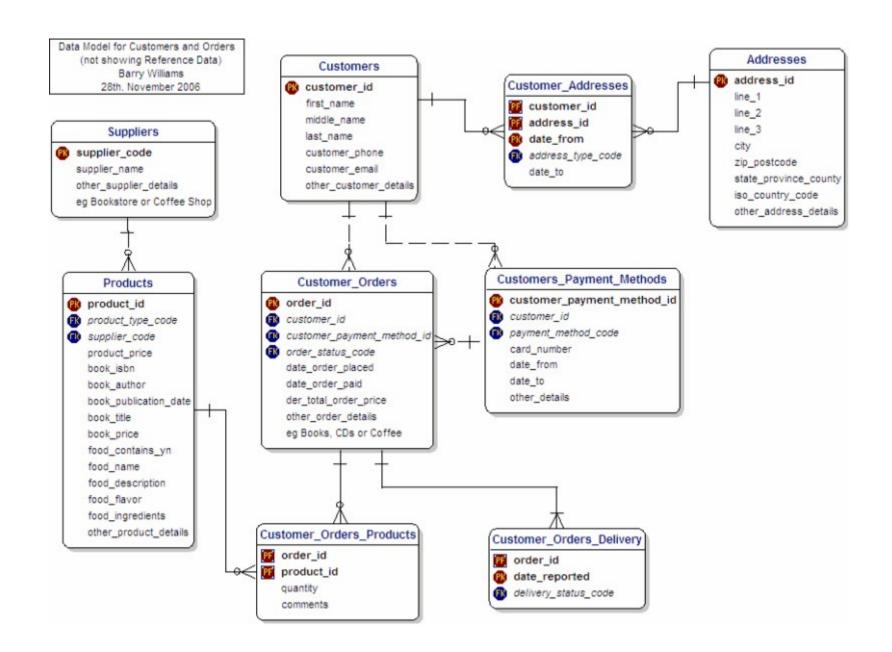


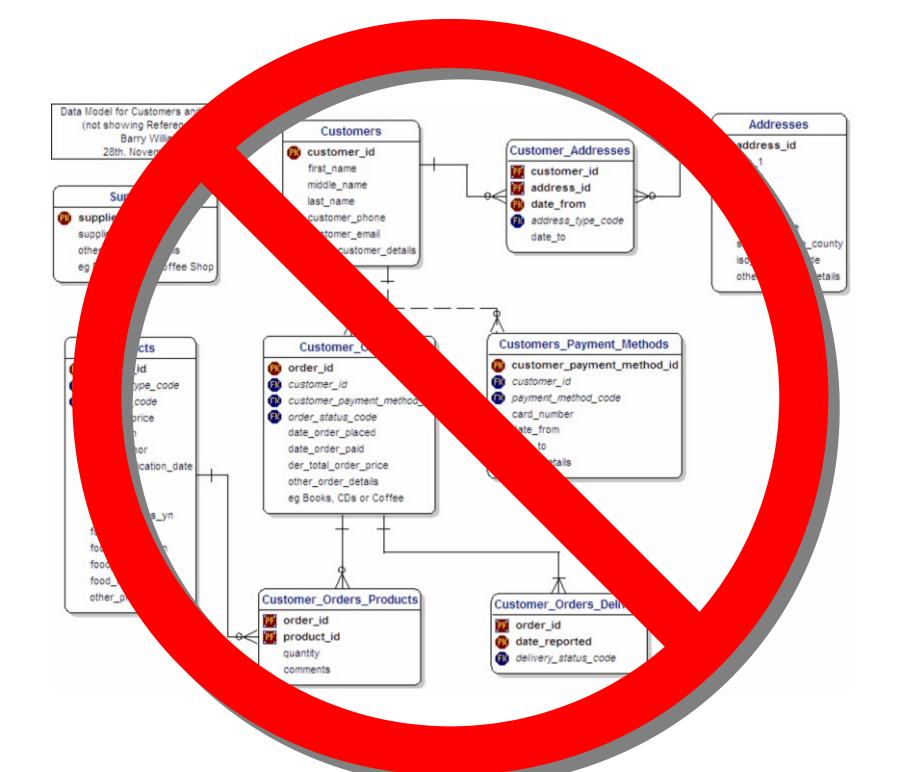




HTTP

REST





```
"_id": "id_do_meu_documento",
    "_rev": "4-572ad8bef98776aa5aaf7e0c",
    "tipo": "palestra",
    "nome": "CouchDB + PHP",
    "duracao": "30min"
```

```
"_id": "id_do_meu_documento",
    "_rev": "4-572ad8bef98776aa5aaf7e0c",
    "tipo": "palestra",
    "nome": "CouchDB + PHP",
    "duracao": "30min"
```



```
"_id": "id_do_meu_documento",
"_rev": "4-572ad8bef98776aa5aaf7e0c",
"tipo": "palestra",
"nome": "CouchDB + PHP",
"duracao": "30min"
```



```
" id": "id do meu documento",
" rev": "4-572ad8bef98776aa5aaf7e0c",
"tipo": "palestra",
"nome": "CouchDB + PHP",
"duracao": "30min"
                            MVCC
```



Documentos

Inconsistência Temporária

Alta Disponibilidade

Sem integridade referencial

REST

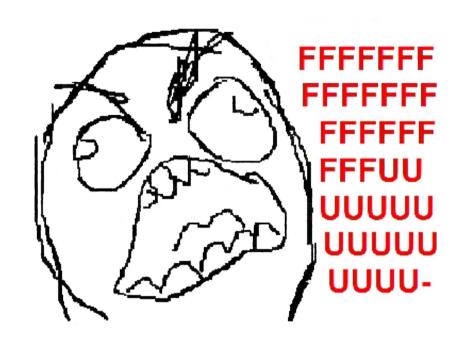
Distribuído



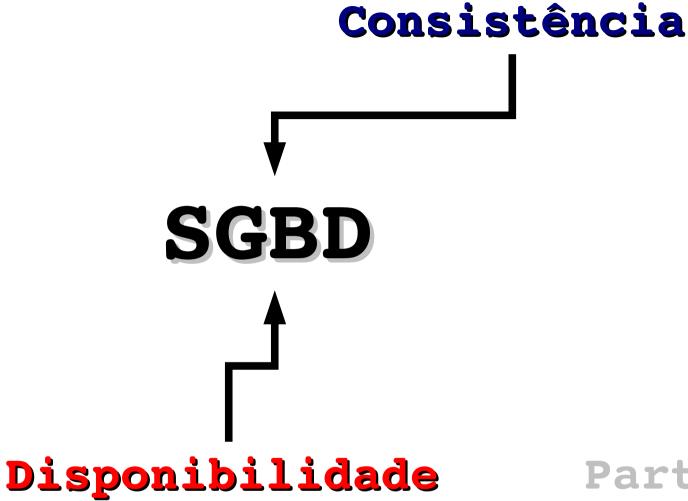
Consistência

Disponibilidade

Consistência



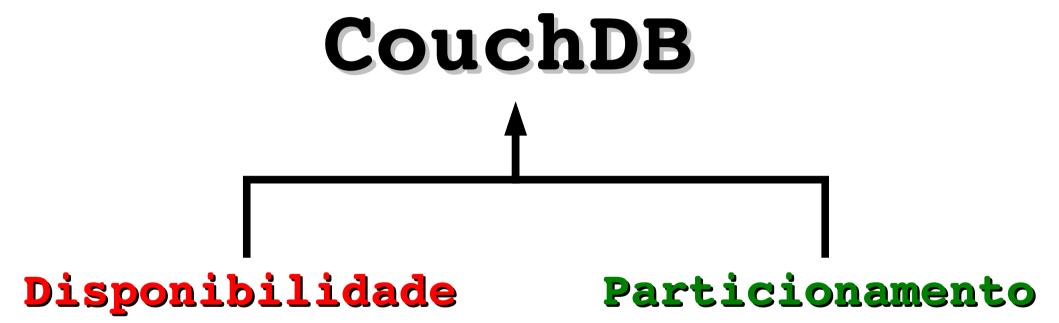
Disponibilidade



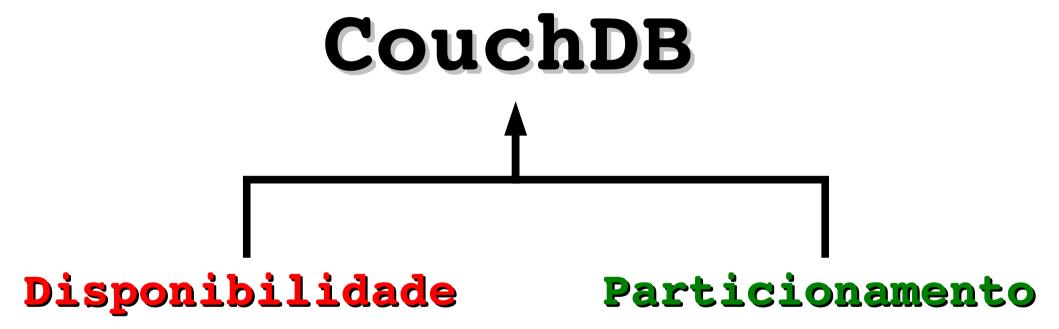
Consistência Paxos

Disponibilidade

Consistência

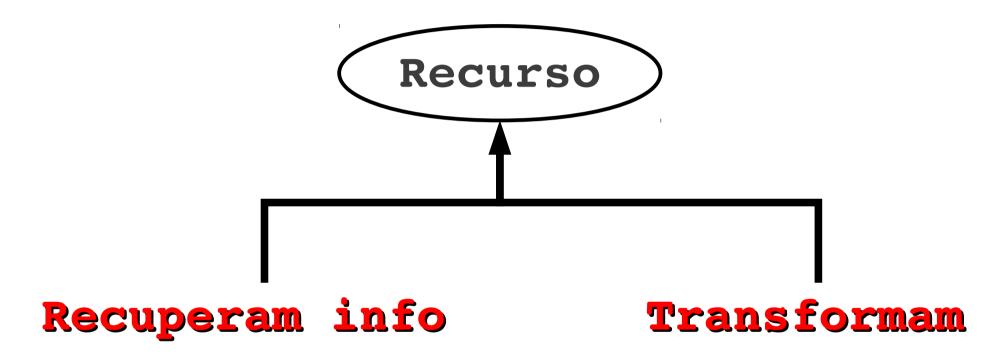


Consistência



Consistência Eventual

REST



REST

GET /recurso HTTP/1.1

Host: [URL]

[INFO HTTP]

[JSON BODY]

HTTP/1.1 200 OK

[INFO HTTP]

[JSON BODY]

REST

GET /recurso HTTP/1.1

Host: [URL]

[INFO HTTP]

[JSON BODY]

HTTP/1.1 200 OK

[INFO HTTP]

[JSON BODY]

POST -- Criar

 200 ---- OK

404 — Recurso não encontrado

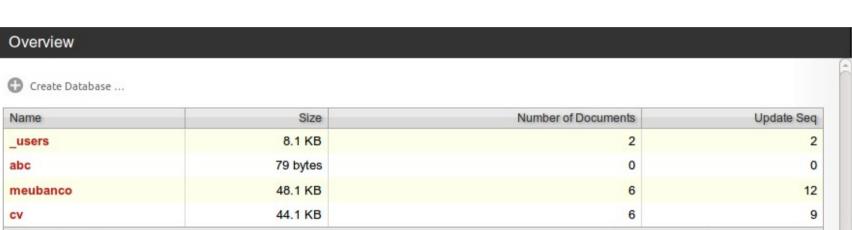
201 --- Recurso criado

409 ---- Conflito



Futon

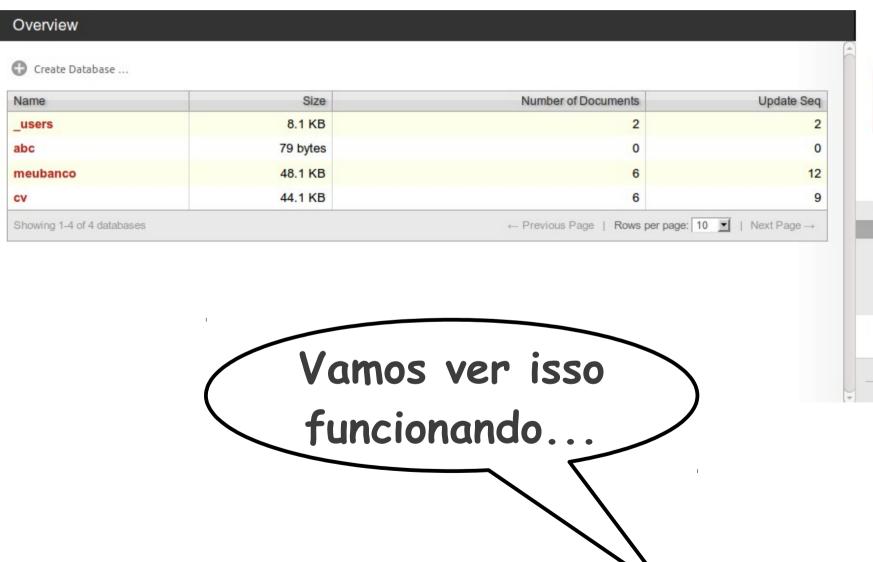
← Previous Page | Rows per page: 10 💌 | Next Page →



Showing 1-4 of 4 databases



Futon





Views



Views I MapReduce

```
{
    "_id": "_design/XYZ",
    "views": {
        "abc": {
             "map": "function (d) {...}",
             "reduce": "function (k, v, r) {...}"
        }
    }
}
```

Views I MapReduce

```
{
    "_id": "_design/XYZ",
    "views": {
        "abc": {
            "map": "function (d) {...}",
            "reduce": "function (k, v, r) {...}"
      }
}
```

Views L

MapReduce

```
"_id": "_design/XYZ",

"views": {
    "abc": {
        "map": "function (d) {...}",
        "reduce": "function (k, v, r) {...}"
     }
}

Chave Valor
```

Shows I I Funções de Visualização

Funções de Visualização

```
{
    "_id": "_design/XYZ",
    "shows": {
        "abc": "function (d, r) {...}"
    }
}
```

Funções de Visualização

```
{
    "_id": "_design/XYZ",
    "shows": {
        "abc": "function (d, r) {...}"
    }
}
```

Funções de Visualização

```
"_id": "_design/XYZ"

"shows": {
    "abc": "function (d, r) {...}"
}

Request
```

URL/bd/_design/XYZ/_views/abc

URL/bd/_design/XYZ/_show/abc/[ID]

```
{
    "_id": "_design/XYZ",
    "validate_doc_update":
        "function (n, v, u, s) {...}"
    }
}
```

```
"_id": "_design/XYZ",

"validate_doc_update":

    "function (n, v, u, s) {...}"
}
```

Anexos CouchApp





PHPillow

phpillowDocument

phpillowView

Obrigado!!

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