Programação na Internet

Turma i52d

Aula 29 Commanding Databases through HTTP REST API

Why ElasticSearch?

Characteristics:

- Records in JSON format (e.g. MongoDB)
- Provides an HTTP API follows the REST principles (e.g. Couch DB)

Use case in the Book Node.js 8 the right way, Chap 6.

Only 1% of ElasticSearch

ElasticSearch and NoSQL is not the goal of Web Programming course. We are not teaching about this topic, we are only using it.

ElasticSearch

- schema-free
- RESTful
- NoSQL

Better Book Bundle Builder – b4

- 1. Books catalog Project Gutenberg => index /books
- 2. Bundles => index/bundles

```
Exemplo:
```

```
"name": "light reading",
"books": [{
    "id": "pg132",
    "title": "The Art of War"
},{
    "id": "pg2680",
    "title": "Meditations",
},{
    "id": "pg6456",
    "title": "Public Opinion"
}]
```

Module bundles

- create(name, cb)
- delete(id, cb)
- •get(id, cb)
- addBook(id, pgId, cb) => 3 pedidos HTTP:
 - GET /localhost:9200/bundles/_doc/<id>
 - GET /localhost:9200/books/_doc/<pgid>
 - PUT /localhost:9200/bundles/_doc/<id> including the new book

"name" "light reading",

"title": "The Art of War"

"title": "Meditations",

"title": "Public Opinion"

"id": "pg132",

"id": "pg2680",

"id":\"pg6456",

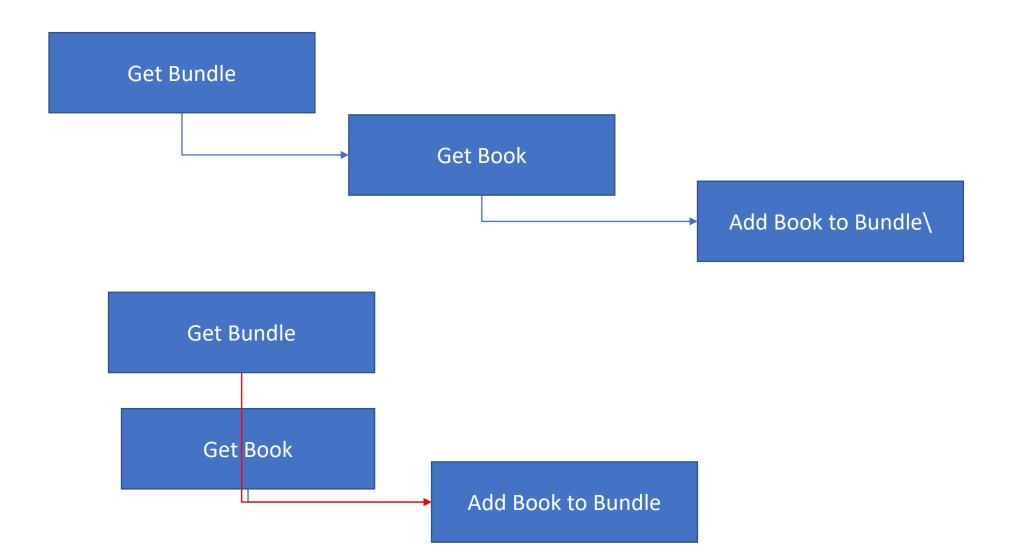
"books": |{

},{

},{

}]

Sequential <versus> Concurrent



parallel(tasks, callback)

Run the `tasks` array of functions in parallel. If any of the functions pass an error to its callback, the main `callback` is immediately called with the value of the error. Once the `tasks` have completed, the results are passed to the final `callback` as an array.