

## I - Documentação de Implantação e USO do sistema:

1. Baixe os projetos ( serverapicat e clientapicat )
2. Importe os dois projetos (serviços) no eclipse.
3. Tenha instalado na sua máquina local o Postgresql ( username=postgres e password=root)
4. Crie um banco de dados chamado: catbreed
5. Execute a classe ServerapicatApplication do serviço: serverapicat.  
Nesse momento será consumido o <https://api.thecatapi.com/> , gravando no banco toda a listagem de gatos, mais de 3 imagens de gatos com chapéu e de 3 imagens de gatos com óculos.
6. Execute a classe ClientapicatApplication do serviço: clientapicat.  
Neste momento, as APIS criadas já poderão ser consumidas.

### Endpoints:

<http://localhost:8081/breeds>

<http://localhost:8081/breeds/id/{id}>

<http://localhost:8081/breeds/temp/{temperament}>

<http://localhost:8081/breeds/ori/{origin}>

Obs: Via navegador ou Postman.

### 1) <http://localhost:8081/breeds>

The Cap API / Listar todos

GET <http://localhost:8081/breeds> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 19 ms Size: 27.48 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   ...
3   "id": "abys",
4   "description": "The Abyssinian is easy to care for, and a joy to have in your home. They're affectionate cats and love both people and o
5   "temperament": "Active, Energetic, Independent, Intelligent, Gentle",
6   "origin": "Egypt"
7 },
8 {
9   "id": "aege",
10  "description": "Native to the Greek islands known as the Cyclades in the Aegean Sea, these are natural cats, meaning they developed with
11  "temperament": "Affectionate, Social, Intelligent, Playful, Active",
12  "origin": "Greece"
13 },
14 {
15  "id": "abob",
```

2) <http://localhost:8081/breeds/id/{id}>

The Cap API / Listar detalhes de uma raça

Save

GET

http://localhost:8081/breeds/id/abob

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION		
	Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Time: 483 ms

Size: 481 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id": "abob",
3   "description": "American Bobtails are loving and incredibly intelligent cats possessing a distinctive wild appearance. They are extremely in
4   "temperament": "Intelligent, Interactive, Lively, Playful, Sensitive",
5   "origin": "United States"
6 }
```

3) <http://localhost:8081/breeds/temp/{temperament}>

The Cap API / Listar os gatos por temperamento

Save

GET

http://localhost:8081/breeds/temp/Affectionate, Intelligent, Playful

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION		
	Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Time: 36 ms

Size: 506 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id": "bali",
3   "description": "Balinese are curious, outgoing, intelligent cats with excellent communication skills. They are known for their chatty pe
4   "temperament": "Affectionate, Intelligent, Playful",
5   "origin": "United States"
6 }
```

4) <http://localhost:8081/breeds/ori/{origin}>

GET

http://localhost:8081/breeds/ori/France

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

	KEY	VALUE	DESCRIPTION		
	Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Time: 19 ms

Size: 1.03 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id": "birm",
3   "description": "The Birman is a docile, quiet cat who loves people and will follow them from room to room. Expect the Birman to want to
4   "temperament": "Affectionate, Active, Gentle, Social",
5   "origin": "France"
6 }
7 {
8   "id": "char",
9   "description": "The Chartreux is generally silent but communicative. Short play sessions, mixed with naps and meals are their perfect da
10  "temperament": "Affectionate, Loyal, Intelligent, Social, Lively, Playful",
11  "origin": "France"
12 }
13 {
14 }
```

## II - Métricas de execução das As APIs:

Foi usado o **Actuator**, que é um recurso do Spring Boot que nos permite monitorar e gerenciar aplicações.

O Actuator é usado principalmente para **expor informações operacionais sobre o aplicativo em execução** — integridade, métricas, informações, dump, env, etc. Ele usa endpoints HTTP ou beans JMX para nos permitir interagir com ele.

1. Após executar o último item (6) da documentação: Documentação de Implantação e USO do sistema:
2. Acesse essa url para ter acesso as métricas -> **<http://localhost:8081/actuator>**

## III - Testes:

Foi usado o junit e o `@SpringBootTest` para a realização dos teste de unidade e integração.

Testando os controles, serviços e repositórios somente no projeto (**clientapicat**).