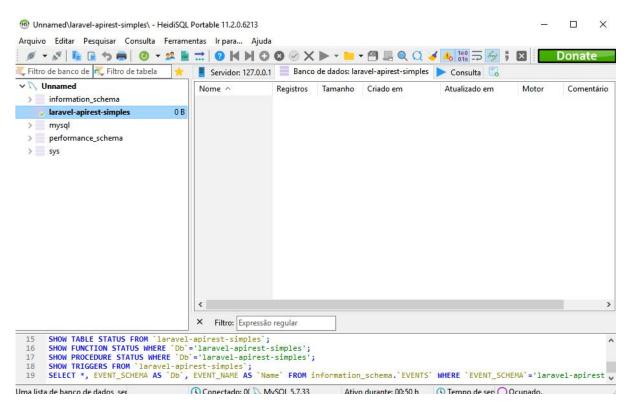
# Criando uma API Rest simples com Laravel e Laragon Cristian Bernardes

Vídeo: https://www.youtube.com/watch?v=daq5S5-55Lw

- No Laragon rode o Apache e o MySQL
- No Laragon, clique com o botão direito e selecione:

Criar rapidamente um website --> Laravel

- De o nome de: laravel-apirest-simples
- Clique no botão "Banco de dados"



#### .env

APP\_NAME=Laravel
APP\_ENV=local
APP\_KEY=base64:QL7CfGZvlBsaUX70otPyyFhu7iZ4NGQyKfel6Sii/m8=
APP\_DEBUG=true
APP\_URL=http://localhost

DB\_CONNECTION=mysql
DB\_HOST=127.0.0.1
DB\_PORT=3306
DB\_DATABASE=laravel-apirest-simples
DB\_USERNAME=root
DB\_PASSWORD=

# Criando o model e a migration

php artisan make: model Dog -m

}

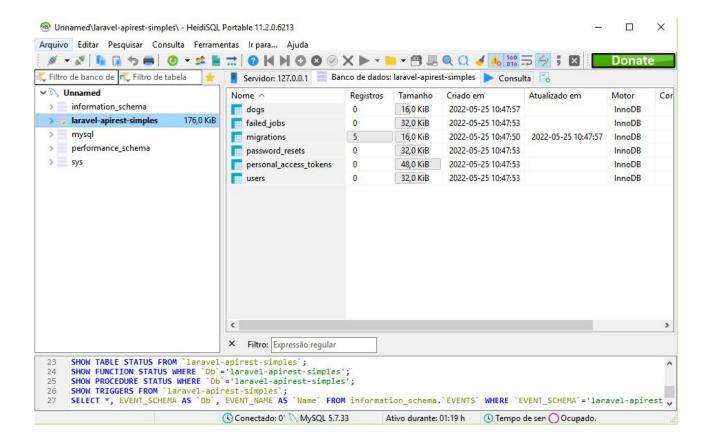
```
Roberto@DESKTOP-HGDUAQT MINGW64 /c/laragon/www/laravel-apirest-simples
 $ php artisan make:model Dog -m
 Model created successfully.
 Created Migration: 2022 05 25 133452_create_dogs_table
app\Models\Dog.php
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class Dog extends Model
{
  use HasFactory;
  protected $fillable = [
    'name', 'breed'
  ];
}
database\migrations\2022_05_25_133452_create_dogs_table.php
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
class CreateDogsTable extends Migration
  public function up()
    Schema::create('dogs', function (Blueprint $table) {
      $table->id();
      $table->string('name');
      $table->string('breed');
      $table->timestamps();
    });
  }
  public function down()
    Schema::dropIfExists('dogs');
```

#### Criando as tabelas

php artisan migrate

```
Roberto@DESKTOP-HGDUAQT MINGW64 /c/laragon/www/laravel-apirest-simples

$ php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000 create_users_table
Migrated: 2014_10_12_000000 create_users_table (1,162.03ms)
Migrating: 2014_10_12_100000 create_password_resets_table
Migrated: 2014_10_12_100000 create_password_resets_table (968.05ms)
Migrating: 2019_08_19_000000 create_failed_jobs_table
Migrated: 2019_08_19_000000 create_failed_jobs_table (984.40ms)
Migrating: 2019_12_14_000001 create_personal_access_tokens_table
Migrated: 2019_12_14_000001 create_personal_access_tokens_table (1,067.46ms)
Migrating: 2022_05_25_133452_create_dogs_table
Migrated: 2022_05_25_133452_create_dogs_table (414.73ms)
```



# **Criando as rotas**

## routes\api.php

```
<?php
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Route;

Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
   return $request->user();
});
```

 $Route::apiResource('dogs', '\App\Http\Controllers\api\DogController');$ 

# Criando o controller

php artisan make:controller api/DogController --resource --api

Roberto@DESKTOP-HGDUAQT MINGW64 /c/laragon/www/laravel-apirest-simples \$ php artisan make:controller api/DogController --resource --api Controller created successfully.

#### app\Http\Controllers\api\DogController.php

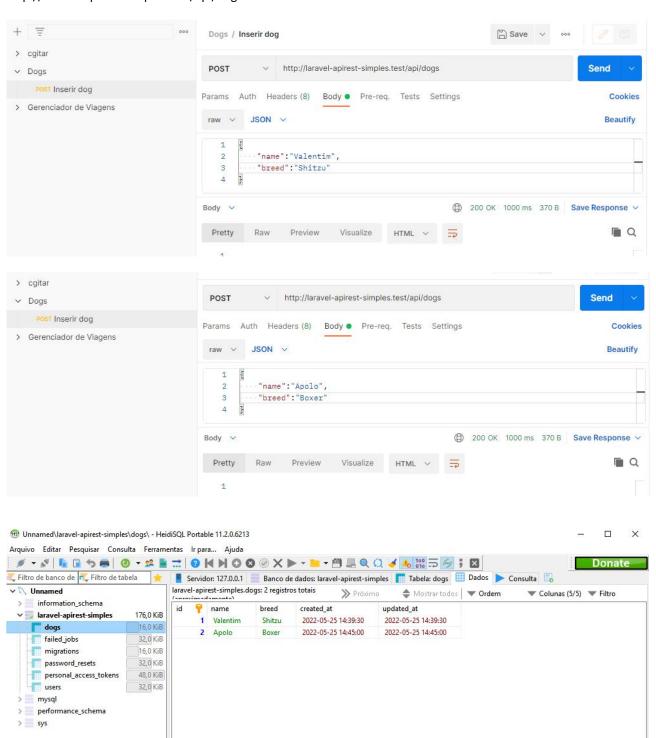
```
<?php
namespace App\Http\Controllers\api;
use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\Dog;
class DogController extends Controller
  public function index()
    return Dog::all();
  public function store(Request $request)
    Dog::create($request->all());
  public function show($id)
    return Dog::findOrFail($id);
  public function update(Request $request, $id)
    $dog = Dog::findOrFail($id);
    $dog->update($request->all());
  }
  public function destroy($id)
    $dog = Dog::findOrFail($id);
    $dog->delete($id);
  }
```

#### **Usando o Postman**

# **Inserir dog**

# POST

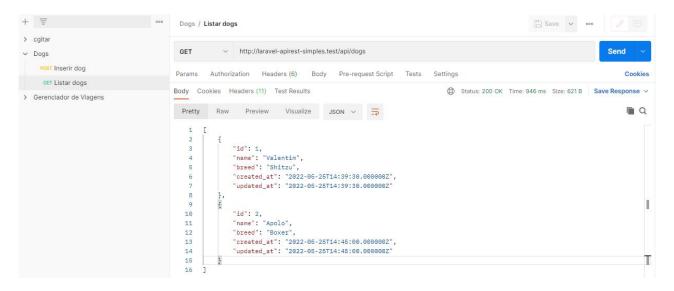
http://laravel-apirest-simples.test/api/dogs



# **Listar dogs**

GET

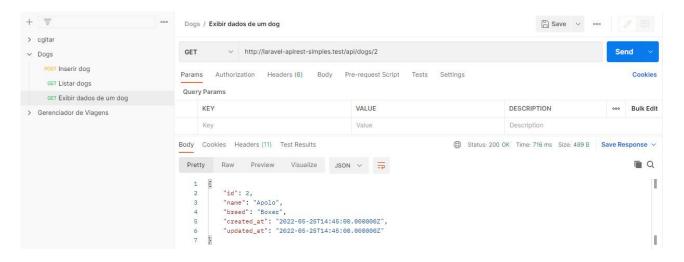
http://laravel-apirest-simples.test/api/dogs



# Exibir dados de um dog

**GET** 

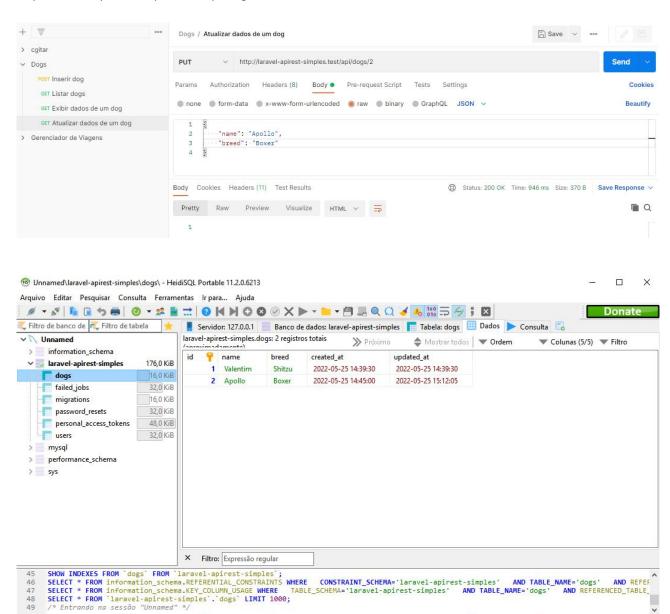
http://laravel-apirest-simples.test/api/dogs/2



# Atualizar dados de um dog

#### **PUT**

http://laravel-apirest-simples.test/api/dogs/2

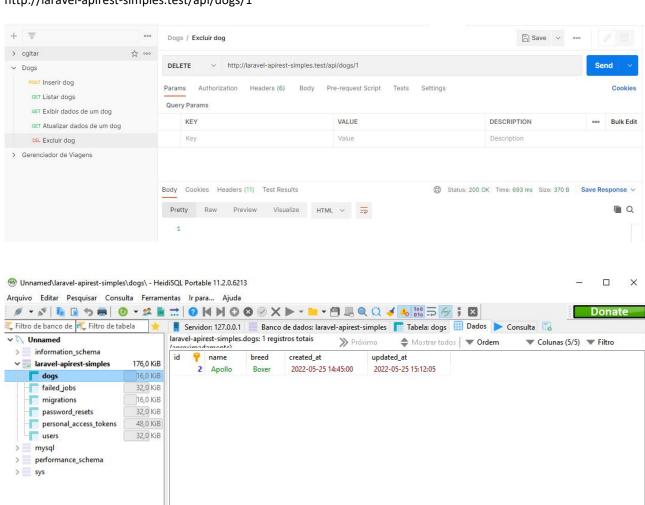


Conectado: 02:21 \( \text{MvSOI} 5.7.33 \)
Ativo durante: 02:42 h
\text{ Tempo de servid \( \Oldsymbol \text{Crunado} \)

## **Excluir dog**

#### **DELETE**

http://laravel-apirest-simples.test/api/dogs/1



X Filtro: Expressão regular

58 SHON INDEXES FROM 'dogs' FROM 'laravel-apirest-simples';
59 SELECT \* FROM information\_schema.REFERENTIAL\_CONSTRAINTS WHERE CONSTRAINT\_SCHEMA='laravel-apirest-simples' AND TABLE\_NAME='dogs' AND REFERENCED\_TABLE\_
60 SELECT \* FROM information\_schema.KEY\_COLUMN\_USAGE WHERE TABLE\_SCHEMA='laravel-apirest-simples' AND TABLE\_NAME='dogs' AND REFERENCED\_TABLE\_
61 SELECT \* FROM 'laravel-apirest-simples'.'dogs' LIMIT 1000;
62 /\* Entrando na sessão "Unnamed" \*/