# PRÁTICAS AVANÇADAS EM DESENVOLVIMENTO WEB

# Agenda

- Adicionar user e senha Mongo
- Criar .bat iniciar MongoDB
- Criar JS acesso ao MongoDB
  - Criar rota de cadastro
  - Criar rota de edição
  - Criar rota buscar por nome
- Revisão
- Gamification

# Add user Mongo

- Baixar mongo Shell https://www.mongodb.com/try/download/shell
- Executar mongoSH
  - ► Informar URI-> mongodb://127.0.0.1/27017
  - Executar comando: use admin

```
27017> use admin
switched to db admin
```

Criar user ADMIN, executar comando:

```
admin> db.createUser({
... user: "davi schneid",
... pwd:
... roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]
... })
{ ok: 1 }
admin> db.auth("davi.schneid",
} (ok: 1 }
```

Criar user mongodb

## Add user Mongo

Criar arquivo mongo.cfg na pasta BIN

```
Directory: C:\MongoDB\bin
                                         Length Name
                   LastWriteTime
             09/07/2024
                                           1558 Install-Compass.ps1
             14/07/2024
                                             35 mongod.cfg
             09/07/2024
                           14:56
                                       63604224 mongod.exe
             09/07/2024
                           14:56
                                     1032704000 mongod.pdb
             09/07/2024
                           14:57
                                       37261824 mongos.exe
             09/07/2024
                           14:57
                                      580923392 mongos.pdb
             09/07/2024
                           14:57
                                       25314320 vc_redist.x64.exe
PS C:\MongoDB\bin> pwd
:\MongoDB\bin
```

- Add parâmetros configuração
  - Parâmetro storage
  - Parâmetro segurança
  - Parâmetro SystemLog

```
PS C:\MongoDB\bin> more .\mongod.cfg
security:
   authorization: enabled

storage:
   dbPath: C:\MongoDB\DATA

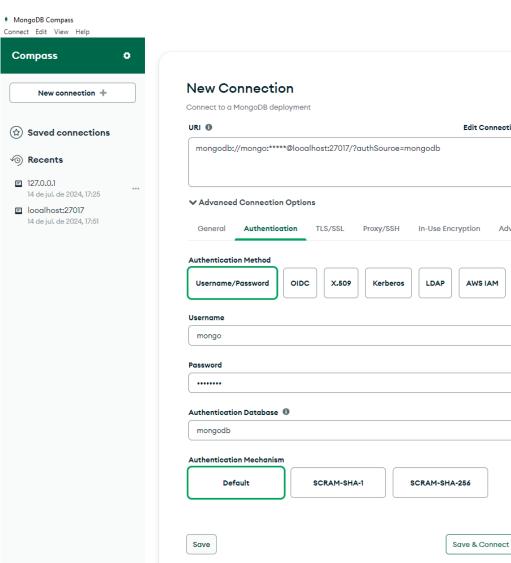
systemLog:
   destination: file
   path: C:\MongoDB\LOG\mongod.log
   logAppend: true
PS C:\MongoDB\bin> ___
```

Reiniciar Mongodb

```
Eric@DESKTOP-8CI3MGV MINGW64 /c/MongoDB/bin
$ ./mongod.exe --config ../bin/mongod.cfg
```

# Mongo Compass

Criar conexão banco



(☆)

**FAVORITE** 

Edit Connection String

Advanced

Optional

Optional

Optional

AWS IAM

# Criar .bat Iniciar MongoDB

- Criar pasta SCRIPTS dir:C:\MongoDB\SCRIPTS>
- Criar script StartMongoDB.bat

```
@echo off
    setlocal enabledelayedexpansion
 4
    echo [Starting MongoDB...]
    cd C:\MongoDB\bin
 6
    mongod.exe --config mongod.cfg
 8
 9
    cd C:\MongoDB\SCRIPTS
10
11
    :start
12
    echo [MongoDB is running...]
    cd C:\MongoDB\SCRIPTS
13
    timeout /t 300 /nobreak
14
15
    goto start
```

#### Buscar dados banco

Criar arquivo db.js

```
刘 File Edit Selection View Go Run Terminal Help

∠ apinode

       EXPLORER
                                        JS server.js • {} package.json
                                                                           JS InserirRegistros.js • JS db.js

✓ APINODE

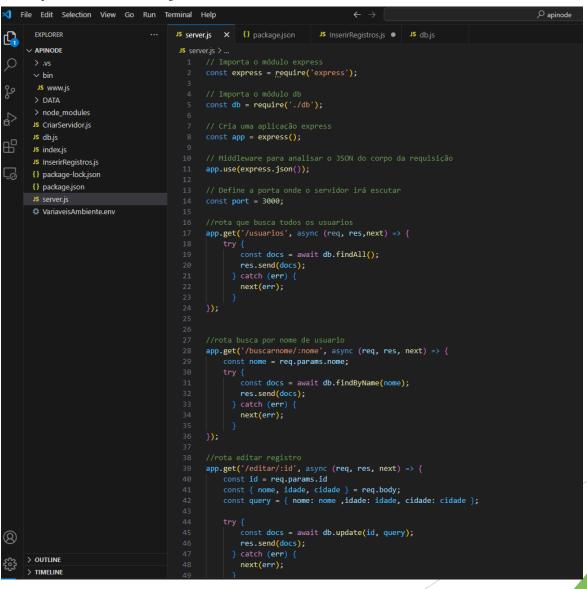
                                         JS db.js > [@] <unknown>
       > .vs
                                                const { MongoClient, ObjectId } = require("mongodb");

→ bin

       JS www.js
                                               let singleton;
       > DATA
       > node_modules
      JS CriarServidor.js
                                                const MONGO_HOST = 'mongodb://mongo:12qwaszx@localhost:27017/?authSource=mongodb';
      JS db.js
                                                const MONGO DATABASE = 'mongodb';
      JS index.js
      JS InserirRegistros.js
                                               const COLLECTION = "Cadastro";
     {} package-lock.json
      {} package.json
                                               async function connect() {
      JS server.js
                                                    if (singleton) return singleton;
      VariaveisAmbiente.env
                                                    const client = new MongoClient(MONGO HOST);
                                                    await client.connect();
                                                    singleton = client.db(MONGO_DATABASE);
                                                    return singleton;
                                                async function findAll() {
                                                    const db = await connect();
                                                    return db.collection(COLLECTION).find().toArray();
                                                async function findByName(nome) {
                                                    const query = { nome: nome };
                                                    const db = await connect();
                                                    return db.collection(COLLECTION).find(query).toArray();
                                                async function insertOne(query) {
                                                    const db = await connect();
                                                    return db.collection(COLLECTION).insertOne(query);
                                                async function update(id, query) {
                                                    const db = await connect();
                                                    return db.collection(COLLECTION).updateOne({ _id: ObjectId.createFromHexString(id) }, { $set: query });
                                                module.exports = { findAll , findByName, insertOne, update}
```

#### Buscar dados banco

Editar arquivo server.js

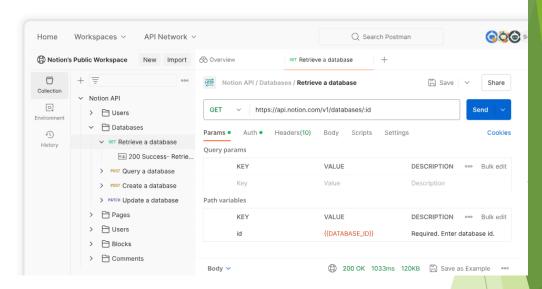


#### **Download Postman**

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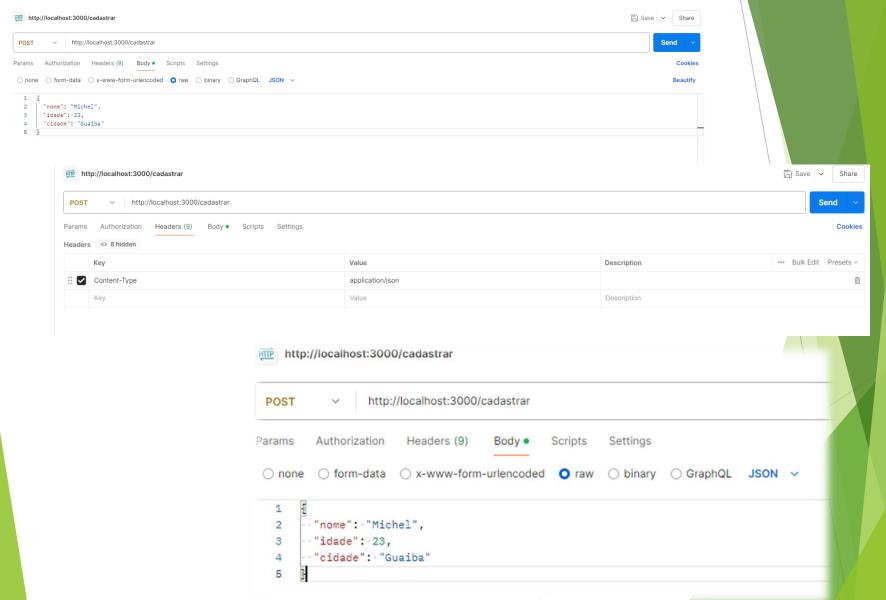
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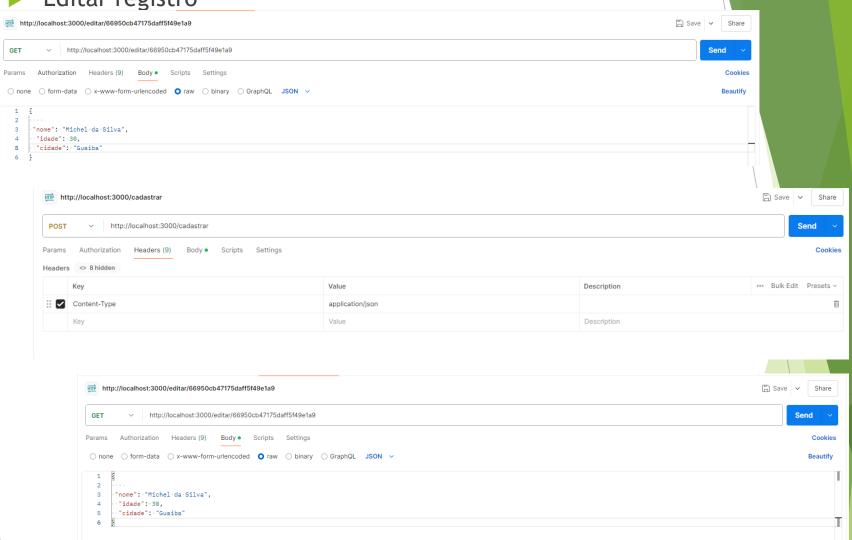
#### Postman

Cadastrar registro



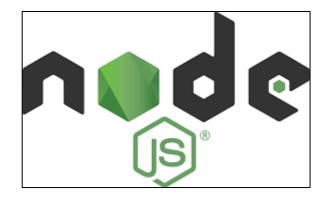
#### **Postman**

#### Editar registro



### Revisão

Nodejs\_Mongo.pdf





# Gamification

Nodejs\_Mongo.pdf

