

ESCOLA E FACULDADE DE TECNOLOGIA SENAI ROBERTO MANGE

DESENVOLVIMENTO DE SISTEMAS

JULHO DE 2022 — SENAI-SP



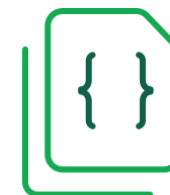
SENAI
SÃO PAULO

MONGO DB

MongoDB é um software de banco de dados orientado a documentos livre, de código aberto e multiplataforma, escrito na linguagem C++. Classificado como um programa de banco de dados NoSQL, o MongoDB usa documentos semelhantes a JSON com esquemas.



```
1  {  
2    _id: "5cf0029caff5056591b0ce7d",  
3    firstname: 'Jane',  
4    lastname: 'Wu',  
5    address: {  
6      street: '1 Circle Rd',  
7      city: 'Los Angeles',  
8      state: 'CA',  
9      zip: '90404'  
10   }  
11  }
```



CRIANDO CONTAINER MONGO DB

1. `docker pull mongo` → faz o download da imagem docker na versão mais atualizada do mongo
2. `docker run --name NOME_DESEJADO -d mongo` → inicia um container docker rodando em background com o nome desejado.
3. `docker ps` → verifica se o container foi criado com sucesso e está sendo executado no momento

```
PS C:\Users\andre> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
01b74b92439b   mongo    "docker-entrypoint.s..." 5 seconds ago  Up 3 seconds  27017/tcp    mongoSomativa
```




CONECTANDO-SE NO CONTAINER MONGO DB - POWESHELL

4. docker exec --it **NOME_DO_SEU_CONTAINER** bash → executa o container mongo usando o bash
5. mongosh → abre a conexão com o container e disponibiliza o terminal para poder inserir comandos do mongo

```
Current Mongosh Log ID: 647517ccc809bb308f4d4bf0
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1
.9.0
Using MongoDB:      6.0.6
Using Mongosh:       1.9.0

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
The server generated these startup warnings when booting
2023-05-29T21:19:19.757+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2023-05-29T21:19:21.137+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2023-05-29T21:19:21.137+00:00: /sys/kernel/mm/transparent_hugepage/enabled is 'always'. We suggest setting it to 'never'
2023-05-29T21:19:21.137+00:00: vm.max_map_count is too low
-----
test>
```