

Universidade de Fortaleza
- UNIFOR

**MBA EM GESTÃO
ANALÍTICA COM
BUSINESS INTELLIGENCE
E BIG DATA**

Banco de Dados NoSQL

Prof. Manoel Ribeiro

Repositório

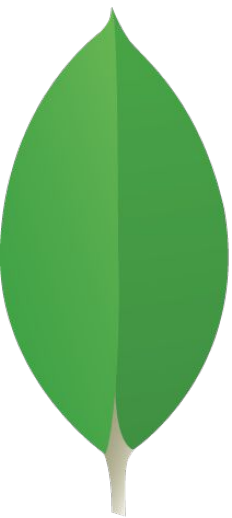
<https://github.com/antoniomralmeida/NoSQL>

Pré-requisitos da disciplina

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 - Fundamentos de Rede
 - Fundamento de Sistemas Distribuídos
 - Bancos de Dados Relacional
 - Linguagem de Programação Java / Python

Contextualização





mongoDB®

MongoDB - Demo

MongoDB Community Server

<https://www.mongodb.com/community>

<https://www.mongodb.com/download-center?jmp=nav#community>

Install custom to c:\nosql\mongodb

MongoDB - Demo

```
>cd \nosql\mongodb\
```

```
>mkdir data
```

```
>mkdir log
```

```
>cd data
```

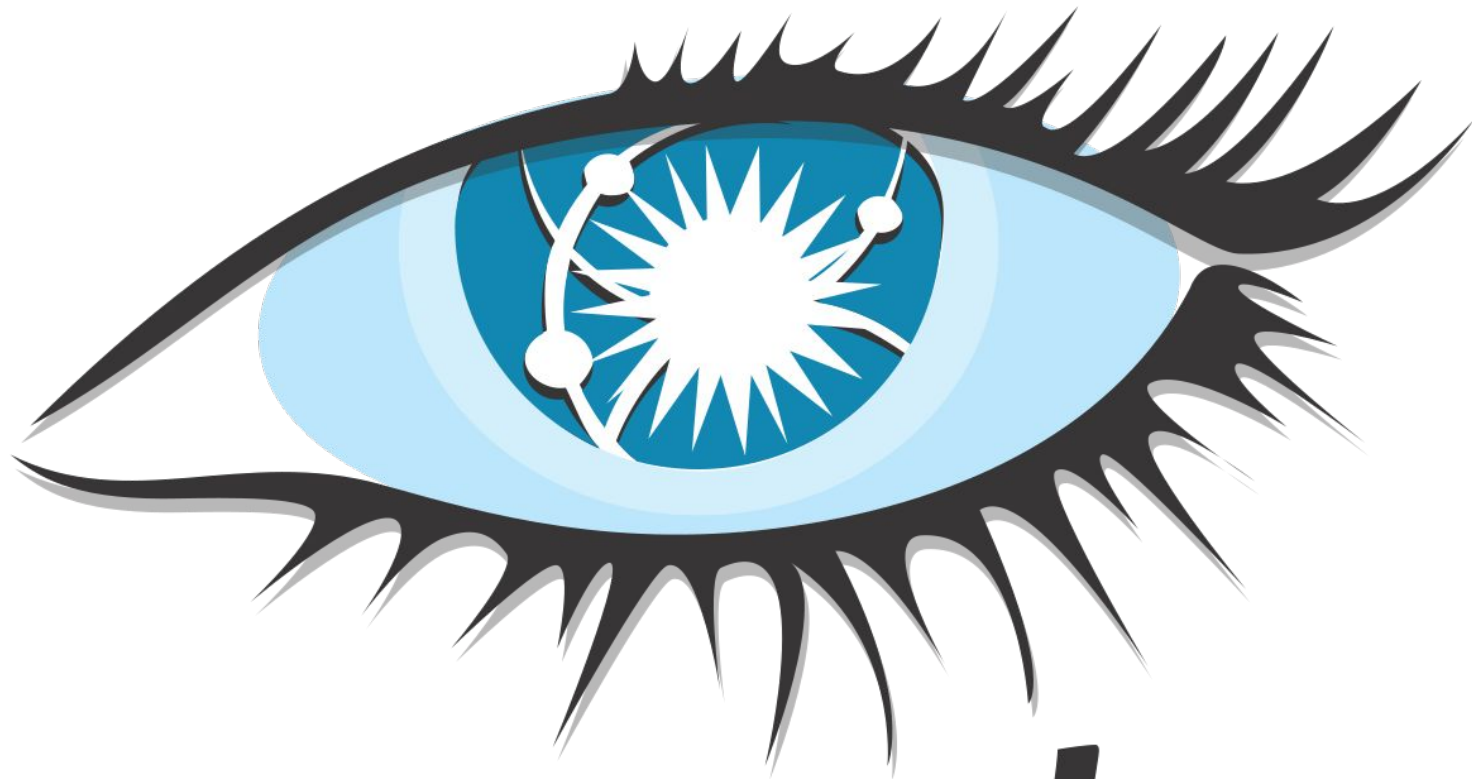
```
>mkdir db
```

```
>cd \nosql\mongodb\bin
```

```
>start mongod -dbpath=c:\nosql\mongodb\data\db
```

MongoDB - Demo

- **Iniciando shell do mongo**
 - `> mongo`
- **Live!**
 - `> show dbs;`
 - **admin 0.000GB**
 - **bigdata 0.299GB**
 - **config 0.000GB**
 - **local 0.000GB**
 -



cassandra

Instalação do Cassandra - Windows

- Baixar
 - <https://academy.datastax.com/planet-cassandra/cassandra>
- Instalar
 - datastax-ddc-64bit-3.9.0.msi
 - C:\nosql\cassandra
- Colocar no PATH
 - C:\nosql\cassandra\apache-cassandra\bin

Instalação do Cassandra - Windows

- Subir o servidor
 - > start cassandra -f
- Subir a interface shell
 - > cqlsh
- Live!
 - **cqlsh> desc keyspaces;**
 - **system_traces system_schema system_auth system system_distributed**

Carga dos dados

```
cqlsh> CREATE KEYSPACE IF NOT EXISTS bigdata WITH replication = {'class':  
'SimpleStrategy', 'replication_factor' : 3};
```

```
cqlsh> use bigdata;
```

```
cqlsh:bigdata> CREATE TABLE bigdata.sensordata(host text, metric text, time  
timestamp, value double, PRIMARY KEY ((host, metric), time) ) WITH  
CLUSTERING ORDER BY (time ASC);
```

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