Universidade de Fortaleza
- UNIFOR

MBA EM GESTÃO ANALÍTICA COM BUSINESS INTELLIGENCE E BIG DATA

Banco de Dados NoSQL

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Repositório

https://github.com/antoniomralmeida/NoSQL

Pré-requisitos da disciplina

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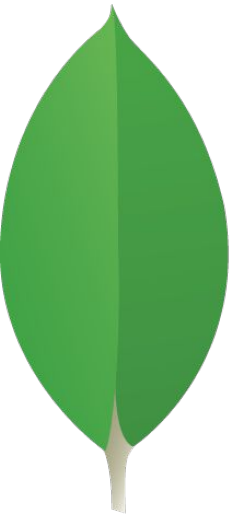
  - Fundamentos de Rede
  - Fundamento de Sistemas Distribuídos
  - Bancos de Dados Relacional
  - Linguagem de Programação Java / Phyton / Javascript


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

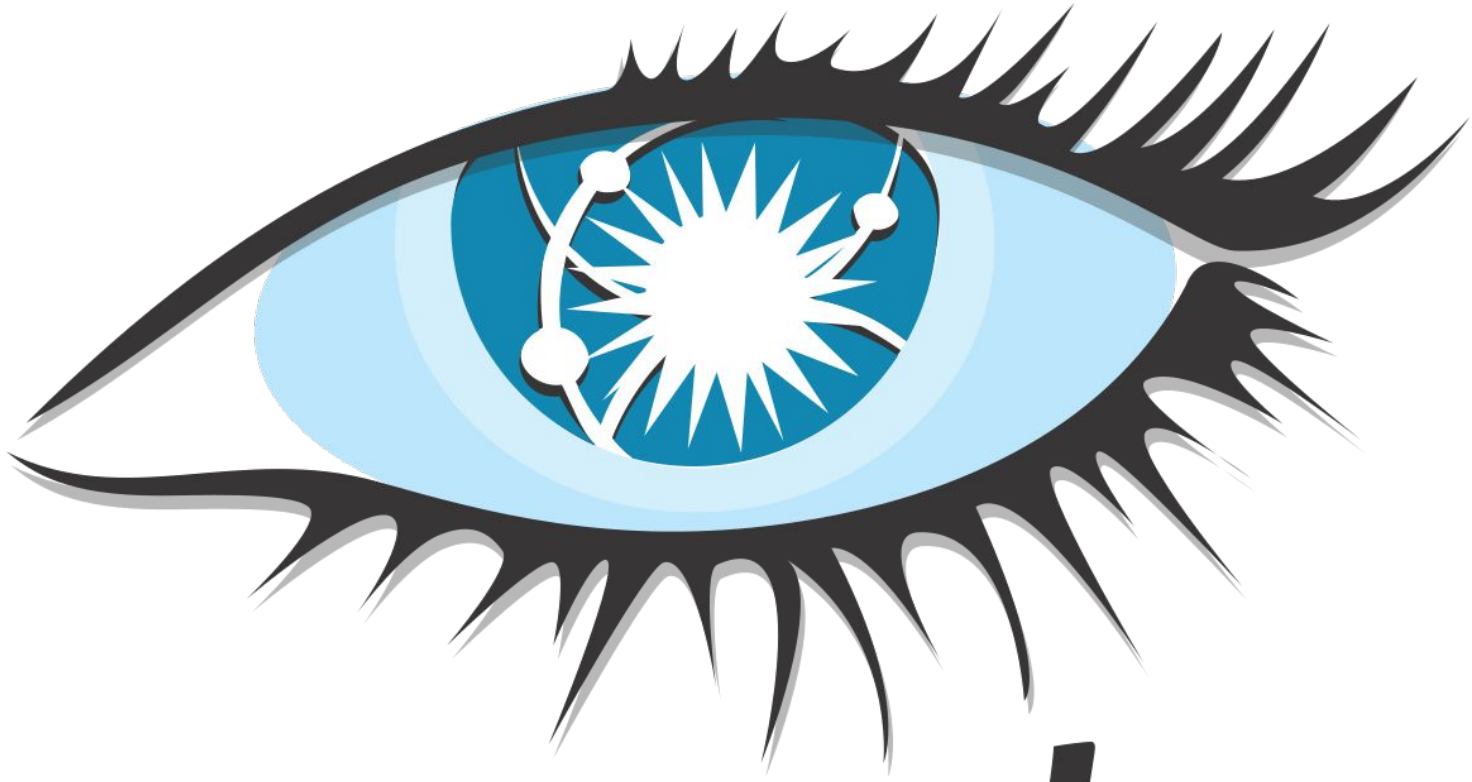
>mkdir db

>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

DATASTAX
The power behind the moment.

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);

Fim