# Mongo

## Overview

* MongoDB is mainly used to manage documents (=semi structured data).
* Entry = document

Document is displayed/administrated in JSON-Format

Important properties of MongoDB:

* Dynamic schema support (=polymorphism); each document has its schema; (dangerous feature because programmer is responsible for data structure 🡪 structure validation possible)
* Optimized for certain use cases (RDB for universal usage)
* Because of JSON simple data import/export
* Because of embedded documents some joins has less complexity (in relation to SQL)
* Documents are stored in BSON format (=binary JSON including some meta data)
* High performance because of multiple index-support (searching in text, managing spatial data etc.)
* MongoDB is implemented in C++
* No user administration