

# Performance Results of a Containerized MongoDB DBMS

---

This repository contains the evaluation results and artefacts to reproduce the results of the scientific paper "[The Impact of the Storage Tier: A Baseline Performance Analysis of containerized DBMS](#)"

## Repository structure:

**Evaluation:** contains the required artifacts and scripts to reproduce the results in the Cloud (Openstack, AWS, Google Compute, Azure ) or on-premise servers.

**Results:** contain the results (raw data and plotted graphs) and a script set for plotting.

---

## Technologies:

**DBMS:** MongoDB 3.6.3 (single instance)

**Benchmark:** YCSB 0.12

### MongoDB operational models:

- MongoDB - container - bare metal (host storage)
- MongoDB - container - bare metal (container storage)
- MongoDB - VM - bare metal
- MongoDB - container - VM - bare metal (host storage)
- MongoDB - container - VM - bare metal (container storage)