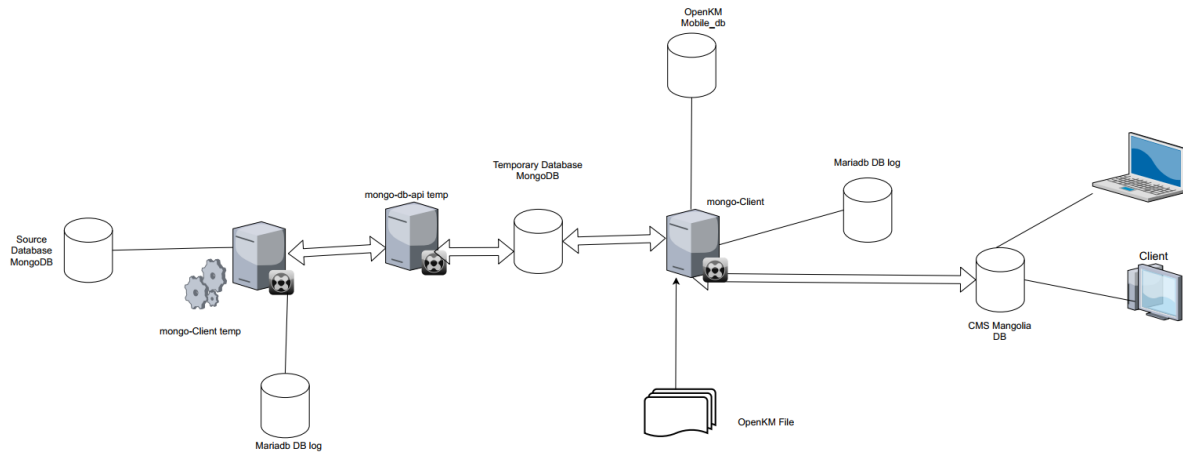


## Solution for data migration



- Source database is mongo database source
- Application Process is Java or Python process using for copy database from Source database and push data to CMS Database .When copy data process will write log to data log to trace database if have error. In this process we define batch process to run multithread for boot high speed copy
- CMS database is destination database get data from application process
- 
- **Server Service mongo-db-api-temp**  
Application using Spring boot get data from client (mongo-Client-Temp) by Resfull Api check data duplicate in database mongodb template and insert document to mongo database template
- **mongo-Client-Temp**  
is java application client get data from source database check duplicate and save id of document to MariaDB after that send object to server using httpClient. Mongo-client-temp copy data from db source to template db
- **mongo-Client**  
is java application client get data from template database mongodb. check duplicate and save id to logData in mariadb Log. after that send document to CMS Mangolia by Rest API ( create Asset and create subnode in Mangolia CMS)

Mongo-client create thread parallel to copy data from OpenKM to magnolia cms by Rest API  
And save Id of image to table LogOpenKM of logdb database maria db.

-

### **pre conditional**

install Docker for windows

and run file build\_container.cmd to create container in docker

after run process java by checkout this link

Link GitHub <https://github.com/khoahung/JavaMongoDB.git>

create database name logdb in mariadb

create table in logdb mariadb by this format

```
CREATE TABLE LogData (id int(11) NOT NULL AUTO_INCREMENT,recordid varchar(100) NOT NULL,updateTime date DEFAULT CURRENT_TIMESTAMP NOT NULL, PRIMARY KEY (id) );
```

```
CREATE TABLE LogOpenKM(id int(11) NOT NULL AUTO_INCREMENT, okm_hdpath varchar(100) NOT NULL,updateTime date DEFAULT CURRENT_TIMESTAMP NOT NULL, PRIMARY KEY (id) );
```