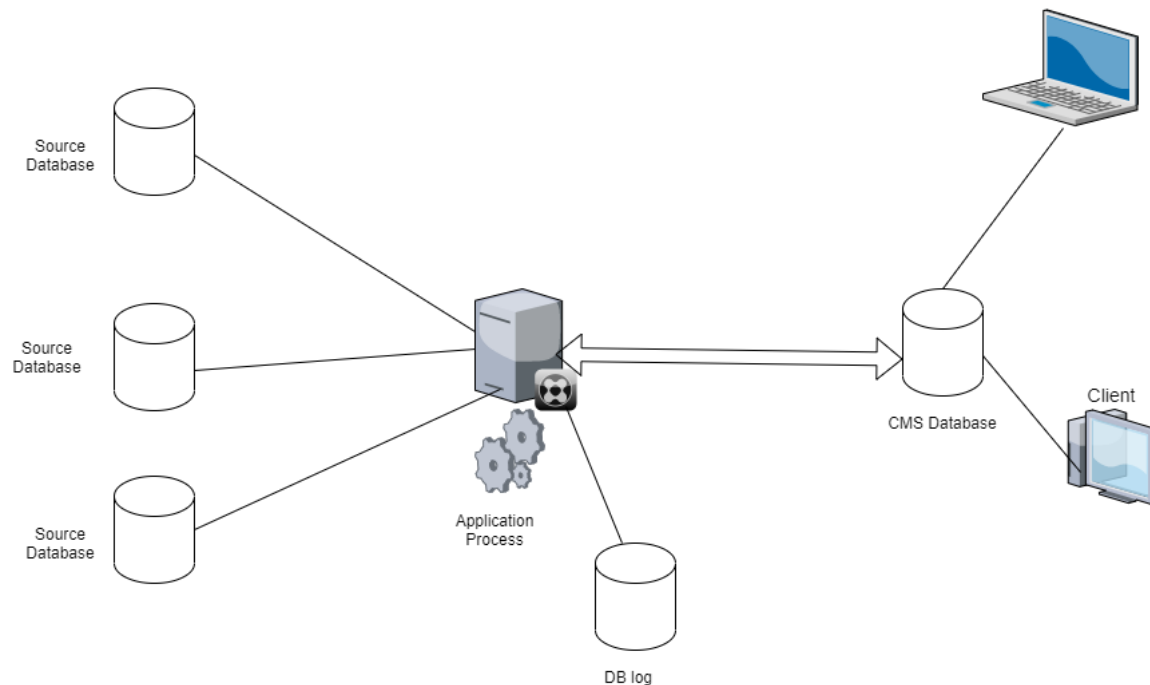


## Solution for data migration



- 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**

- Application using Spring boot get data from client by Resfull Api check data duplicate and insert document to mongo database
- 
- **mongo-db-Client**
- Is application using spring boot call **mongo-db-api** by restTemplate post data to server application when post data check duplication when post and log id of document to H2 Database
- 
-

- **mongo-Client**
- is java application client same **mongo-db-Client** get data from source database check duplicate and save id of document to MariaDB after that send object to server using RestTemplate

#### **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

```
MariaDB [logdb]> DESCRIBE logdb.LogData;
```

```
CREATE TABLE `LogData` (
```

```
  `id` int(11) NOT NULL AUTO_INCREMENT,
```

```
  `recordid` varchar(100) NOT NULL,
```

```
  `updateTime` date DEFAULT NOT NULL,
```

```
  PRIMARY KEY (`id`)
```

```
)
```