Group Project

Biometric Systems

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The Block-chain database

As database for new faces, we implemented a **Block-chain**. We used an open-source implementation of it, called BigchainDB¹. We also used Docker² to deploy 4 containers running the application.



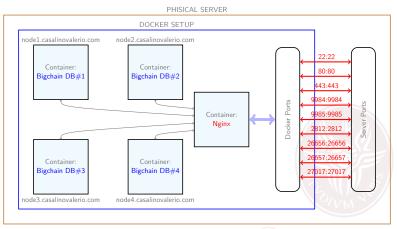


¹Main page: https://www.bigchaindb.com. Documentation here.

²Main page: https://www.docker.com.

Architecture Implementation

!!This is absolutely not meant for a real deployment!!





How to interact with the DB

We are assuming that we have an enstablished connection set up.

Query data

```
connection.searchAssets('AwesomeAsset')
.then(assets => console.log('Found assets:', assets))
// Read the console to look at the assets
```

Load data (make a transaction)

```
// Create transaction first (txTransferBob)
driver.Transaction.signTransaction(txTransferBob,
alice.privateKey);
conn.postTransactionCommit(txTransferBobSigned);
```

Simple as that...









