

# Database

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## SQLITE3

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### I have created this database on the subscriber machine

Database installed manually and tables also created manually.

```
sudo apt install sqlite3
```

#### Created the database

```
sqlite3 mqtt.db
```

#### Add table

```
CREATE TABLE data (  
id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,  
ipv4 TEXT,  
mac TEXT,  
vendor TEXT);
```

**this will create the index if it does not exist or throw an exception if an error occurs (such as the index already exists)**

```
CREATE UNIQUE INDEX datatimestamp ON data(ipv4);
```

#### query data table

```
SELECT ipv4, mac, vendor  
FROM data;
```

#### fake values

```
INSERT INTO data (ipv4, mac, vendor)  
VALUES ('0.0.0.0', 'AA:AA:AA:AA:AA:AA', 'TestMachine');
```