

# Database Setup

This project uses Sequelize as the database ORM

## Requirements

- A MySQL server instance is required, either local or remote
- [Node.js](#) has been installed

### Local

A local database can be installed at the [MySQL](#) website. Follow the steps [here](#) to complete the setup process.

### Remote

There are many vendors for remote databases, some examples being: Digital Ocean, AWS and Azure.

## Configuring the project

Before starting, ensure you have run `npm install` in the `./server` directory, or have run `npm run install` in the root directory.

### Step 1

Go to `./server/app/config/config.json` and fill in database connection parameters.

Here is an example:

```
{
  "env": "prod",
  "prod": {
    "username": "dbadmin",
    "password": "abc123",
    "database": "sayyara_prod",
    "port": 12345,
    "host": "mysql-host.com",
    "dialect": "mysql",
    "dialectOptions": {
      "ssl": {
        "require": true,
```

```

      "rejectUnauthorized": false
    }
  },
  "test": {
    "username": "dbadmin",
    "password": "abc123",
    "database": "sayyara_test",
    "port": 12345,
    "host": "mysql-host.com",
    "dialect": "mysql",
    "dialectOptions": {
      "ssl": {
        "require": true,
        "rejectUnauthorized": false
      }
    }
  },
  "local": {
    "username": "root",
    "password": "abc123",
    "database": "sayyara",
    "host": "127.0.0.1",
    "dialect": "mysql"
  }
}

```

## Step 2

Run `npm run prod:setup` in `./server` to configure and run migrations for the `prod` database.

If you wish for it to specify another database, locate `"prod:setup":` under `scripts` in `./server/package.json` and change `NODE_ENV` to the corresponding environment.

If successful, the terminal should have something like this:

```

> sayyara_server@1.0.0 prod:setup
> npx cross-env NODE_ENV=prod npm run prod:db:setup

Sequelize CLI [Node: 16.17.1, CLI: 6.5.2, ORM: 6.25.4]

Loaded configuration file "config\config.json".
Using environment "prod".
Database sayyara dropped.

Sequelize CLI [Node: 16.17.1, CLI: 6.5.2, ORM: 6.25.4]

```

```
Loaded configuration file "config\config.json".
Using environment "prod".
Database sayyara created.
```

```
Sequelize CLI [Node: 16.17.1, CLI: 6.5.2, ORM: 6.25.4]
```

```
Loaded configuration file "config\config.json".
Using environment "prod".
```

```
== 20221107223231-create-user: migrating =====
== 20221107223231-create-user: migrated (0.425s)
```

```
== 20221108004745-create-vehicle: migrating =====
== 20221108004745-create-vehicle: migrated (0.322s)
```

```
== 20221108044115-create-shop: migrating =====
== 20221108044115-create-shop: migrated (0.320s)
```

```
== 20221108050500-create-shop-admin: migrating =====
== 20221108050500-create-shop-admin: migrated (0.324s)
```

```
== 20221108151613-create-rating: migrating =====
== 20221108151613-create-rating: migrated (0.324s)
```

```
== 20221108155033-create-service: migrating =====
== 20221108155033-create-service: migrated (0.317s)
```

```
== 20221110155748-VehicleUniquePlateVIN: migrating =====
== 20221110155748-VehicleUniquePlateVIN: migrated (1.101s)
```

```
== 20221116023107-create-quote: migrating =====
== 20221116023107-create-quote: migrated (0.323s)
```

```
== 20221118022040-create-request: migrating =====
== 20221118022040-create-request: migrated (0.335s)
```

```
== 20221121211428-create-shop-service: migrating =====
== 20221121211428-create-shop-service: migrated (0.341s)
```

```
Sequelize CLI [Node: 16.17.1, CLI: 6.5.2, ORM: 6.25.4]
```

```
Loaded configuration file "config\config.json".
Using environment "prod".
```

```
== 20221116019231-data-services: migrating =====
== 20221116019231-data-services: migrated (0.099s)
```

