

Deployment Manual

Running Backend Server:

- Clone the repository

```
git clone https://github.com/ksharma67/EasyWay.git
```

- Make sure you have MySQL installed and correctly set up.
- Create a new database in MySQL using:

```
mysql -u root -p
```

Enter MySQL password, then run:

```
create database easyWay;
```

- Goto config.go and update your MySQL password

```
cd server/config/  
code config.go
```

- Now navigate to the server folder and run go server:

```
cd ./server/  
go run main.go
```

Ignore any errors as it will check for required data tables (show the error), then automatically create the data tables.

Running Backend Object Detection Server:

- Clone the repository

```
git clone https://github.com/ksharma67/EasyWay.git
```

- Now navigate to the server folder:

```
cd ./server/
```

- Install the required libraries:

```
# TensorFlow CPU  
pip install -r requirements.txt
```

Deployment Manual

```
# TensorFlow GPU
pip install -r requirements-gpu.txt
```

- For Linux: Let's download official yolov3 weights pre-trained on the COCO dataset

```
# Downloading yolov3 weights
wget https://pjreddie.com/media/files/yolov3.weights -O weights/yolov3.weights
```

- Load the weights using `load_weights.py` script. This will convert the yolov3 weights into TensorFlow .ckpt model files!

```
# Loading yolov3 weights
python load_weights.py
```

- Starting Flask Server

```
python app.py
```

Running Frontend Server:

- Clone the repository

```
git clone https://github.com/ksharma67/EasyWay.git
```

- Install NodeJS LTS version from <https://nodejs.org/en/> for your Operating System.
- Navigate to the client folder and install required libraries:

```
cd ./client/
npm install
```

- In case of any error run audit and install once more:

```
npm audit fix --force && npm install
```

- Run the Angular Server:

```
npm start
```