

# Septs to Run the Application Using Docker On Windows

This guide explains how to run the VehicleApp application locally using Docker.

## Prerequisites

Before starting, ensure you have the following tools installed:

1. Docker Desktop .
2. A terminal or command prompt to execute Docker commands.

## Steps to Run the Application

### 1. Clone the Repository

- Clone the source code repository of the VehicleApp to your local machine using Git or download it as a ZIP file.

```
git clone https://github.com/AliAl-Muhaisen/VehicleApp
cd VehicleApp
```

### 2. Build the Docker Image

- Use the below command to build the Docker image for the application.

```
docker build -t vehicleapp .
```

### 3. Run the Docker Container

- After finish building the application, run the container using the following command.

```
docker run -d -p 8080:80 --name vehicleapp-container vehicleapp
```

### 4. Access the Application

- Open your browser and navigate to <http://localhost:8080> to access the running application.

## Troubleshooting

- If you encounter a port conflict, ensure that port **8080** is available or modify the **-p** flag during the `docker run` command, e.g., `-p 8081:80`.

Check container logs if the application does not start correctly:

**docker logs vehicleapp-container**

- To stop the container:  
**docker stop vehicleapp-container**
- To remove the container:  
**docker rm vehicleapp-container**