# EcoPRT Vehicle Network Solution Installation Guide

### What to Download

* Node.js 8.9.4
  + For Windows/Mac
    - <https://nodejs.org/en/>
    - Download the one that says “recommended for most user”
  + For Linux
    - https://nodejs.org/en/download/package-manager/
* MongoDB 3.6.3
  + For Windows/Mac
    - <https://www.mongodb.com/download-center#community>
    - Click the Community Server tab
    - In this tab,click the tab for you specific OS
    - Download the program
  + For Linux
    - <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/>
* Github Repository
  + Download repository from Github and save in an easy to find spot

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### MongoDB Setup

#### Running MongoDB:

* For Linux
  + <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/>
  + Then go to the "Run MongoDB Community Edition" section to run MongoDB
* For Mac
  + https://docs.mongodb.com/manual/tutorial/install-mongodb-on-os-x/
* For Windows 10
  + Add MongoDB to path variable
    - Open Windows Explorer
    - Right click on “This PC” on left hand side and click properties
    - In the new window, click “Advanced system settings” on the left
    - In the pop up, click “Environment Variables” at the bottom
    - In the new pop up, highlight “Path” in top box and click “Edit..”
    - Click New
    - Enter “C:\Program Files\MongoDB\Server\Version\_Number\bin”
    - Click “OK” to close all the pop ups that appeared throughout the steps
    - Exit out of all the windows you don’t need
  + Go to your C: drive
    - Add a folder called "data”
    - Go into the new “data” folder and make another folder called “db”
  + Open a terminal and enter "mongod"
* The terminal will say “waiting for connection” indicating that the database is running
* Keep this terminal running as long as you need to run the web application

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### Running the Web Application

* Make sure MongoDB is running
* Open a terminal
* cd to where Github repo is
* Run "npm install"
* Run "node index\_v2.js"
  + For Linux, you run "sudo node index\_v2.js"
* In a web browser, go to localhost:80
  + You should see a picture on the screen with a navbar at the top
    - This means that it’s running correctly
* You can now use the system

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### Terminating System

* Close web browser or tab that has the web application running
* Go to terminal where you ran “mongod” and enter ctrl-C to close the database
* Go to terminal where you ran “node index\_v2.js” and enter ctrl-C to close the connection