# How to install MRS9000

## Install Mosquitto:

First of all install mosquitto broker using following link

https://mosquitto.org/download/

then run cmd by administrator

and check that mosquitto using this commad

<mark>net start mosquitto</mark>               // for start the mosquitto server

<mark>net stop mosquitto</mark>               // fot stop the mosquitto server

then go to this directory      C:\Program Files\mosquitto

replace mosquitto.conf file to our file provided mosquitto.conf file

then stop the mosquitto server and again start the mosquitto server using these commands

<mark>net stop mosquitto</mark>

<mark>net start mosquitto</mark>

## Install MQTT Explorer:

If you want to watch messages of mosquitto server then you install mqtt explorer and connect the mqtt server by using your internet ip address

http://mqtt-explorer.com/

Recommended --> set static ip address

## How to set static ip address

- ⇨ Go to control panel
- ⇨ go to network and internet
- ⇨ go to network connection
- ⇨ double click wifi or ethernet connection
- ⇨ go to properties
- ⇨ double click to internet protocol version 4(TCP/IPv4)
- ⇨ then select the use the following ip address and set the ip address

## Install node.js

Go to this link and download node.js and install node.js

https://nodejs.org/en/download

install it by using simple steps

check that node.js is install or not  => run cmd by administrator and run

<mark>node –version</mark> command

# Install MongoDB:

Download mongoDB community edition using this link:

https://www.mongodb.com/try/download/community

and install it using simple steps

and connect localhost.

# Start Application:

You copy our MRS9000 project and paste it in the desktop

------------------------if you run application manually

Then you just double click MRS9000.bat file and start the application

If in cmd shows these three lines then everything is working fine

Server is running http://localhost:4000

DataBase Connected

MQTT protocol is connected successfully

Then after every thing is working fine double click Browser.bat file and

-----------------------if you run application automatically---------------------

Show hidden files ----go to File which is in the header => go to change folder and search options => go to view => click show hidden files

Copy the MRS9000.bat and Browser.bat files and go to the following directory

⇨ Go to C directory
⇨ Go to Users
⇨ Go to User / any name of user
⇨ Go to AppData ----hidden file
⇨ Go to Roaming
⇨ Go to Microsoft
⇨ Go to Windows
⇨ Go to Start Manu
⇨ Go to Programs
⇨ Go to Startup

And paste these two files in the startup folder

and keep in mind the MRS9000 folder is present in the desktop


just restart the computer and application running automatically

# Now Add the auths.json file in the mongodb after running successfully application

if application started successfully and show login page then you just import the auths.js file in the database

**how to import auths.json file in the database:**

- ⇨ Start mongodb compass and connect the localhost
- ⇨ Go to MRS9000 name database
- ⇨ Go to auths.json file
- ⇨ Click import button and go to desktop
- ⇨ Go to MRS9000 folder
- ⇨ Double click to auths.js and import data successfully

Now you go to live application and login the application which is running in [http://localhost:4000](http://localhost:4000)

Login with admin which access edit, add, delete options -----login with

- ⇨ Username : tw
- ⇨ Password : 123

Login with user which access just view the data

- ⇨ Username : tw
- ⇨ Password : tw

Then add building and everything which you want when you login with admin