

# Smart Farmer - IOT Enabled Smart Farming Application

## CREATE NODE-RED SERVICE

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\* Node js was downloaded and installed node - RED service

### Step 1:

Open node js and enter the npm install -g --unsafe-perm node-red command then enter node -red

```
node-red
To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run 'npm audit' for details.
npm notice
npm notice New patch version of npm available! 8.19.2 -> 8.19.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v8.19.3
npm notice Run 'npm install -g npm@8.19.3' to update!
npm notice

C:\Users\surek\node-red
7 Nov 21:00:15 - [info]
Welcome to Node-RED
=====
7 Nov 21:00:15 - [info] Node-RED version: v3.0.2
7 Nov 21:00:15 - [info] Node.js version: v18.12.0
7 Nov 21:00:15 - [info] Windows_NT 10.0.22000 x64 IE
7 Nov 21:00:17 - [info] Loading palette nodes
7 Nov 21:00:18 - [info] Settings file : C:\Users\surek\node-red\settings.js
7 Nov 21:00:18 - [info] Context store : 'default' [module=memory]
7 Nov 21:00:18 - [info] User directory : \Users\surek\node-red
7 Nov 21:00:18 - [warn] Projects disabled : editorTheme.projects.enabled=false
7 Nov 21:00:18 - [info] Flows file : \Users\surek\node-red\flows.json
7 Nov 21:00:18 - [info] Creating new flow file
7 Nov 21:00:18 - [warn]

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Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
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7 Nov 21:00:18 - [warn] Encrypted credentials not found
7 Nov 21:00:18 - [info] Server now running at http://127.0.0.1:1880/
7 Nov 21:00:18 - [info] Starting flows
7 Nov 21:00:18 - [info] Started flows
```

## Step 2:

Copy the http link and paste it in the new browser and the node red is installed in the local machine.

