

## CREATE NODE-RED SERVICE

Date	11 <sup>th</sup> November 2022
Team ID	PNT2022TMID12810
Project Name	SmartFarmer – IoT Enabled Farming Application
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### INSTALLING NODE-RED :

```

Select node-red
Microsoft Windows [Version 10.0.22000.1219]
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C:\Users\Lenovo>node --version
v18.12.1

C:\Users\Lenovo>npm --version
8.19.2

C:\Users\Lenovo>npm install -g --unsafe-perm node-red

added 292 packages, and audited 293 packages in 37s

39 packages are looking for funding
  run `npm fund` for details

5 vulnerabilities (4 low, 1 moderate)

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 major version of npm available! 8.19.2 -> 9.1.1
npm notice Changelog: https://github.com/npm/cli/releases/tag/v9.1.1
npm notice Run npm install -g npm@9.1.1 to update!
npm notice

C:\Users\Lenovo>npm audit fix
npm WARN old lockfile
npm WARN old lockfile The package-lock.json file was created with an old version of npm,
npm WARN old lockfile so supplemental metadata must be fetched from the registry.
npm WARN old lockfile
npm WARN old lockfile This is a one-time fix-up, please be patient...
npm WARN old lockfile

added 1 package, and audited 2 packages in 6s

found 0 vulnerabilities

C:\Users\Lenovo>npm fund
Lenovo
```

## STARTING NODE-RED:

```
C:\Users\Lenovo>node-red
11 Nov 14:31:33 - [info]

Welcome to Node-RED
=====

11 Nov 14:31:33 - [info] Node-RED version: v3.0.2
11 Nov 14:31:33 - [info] Node.js version: v18.12.1
11 Nov 14:31:33 - [info] Windows_NT 10.0.22000 x64 LE
11 Nov 14:31:34 - [info] Loading palette nodes
11 Nov 14:31:35 - [info] Settings file : C:\Users\Lenovo\.node-red\settings.js
11 Nov 14:31:35 - [info] Context store : 'default' [module=memory]
11 Nov 14:31:35 - [info] User directory : C:\Users\Lenovo\.node-red
11 Nov 14:31:35 - [warn] Projects disabled : editorTheme.projects.enabled=false
11 Nov 14:31:35 - [info] Flows file : C:\Users\Lenovo\.node-red\flows.json
11 Nov 14:31:35 - [info] Creating new flow file
11 Nov 14:31:35 - [warn]

-----
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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11 Nov 14:31:35 - [info] Server now running at http://127.0.0.1:1880/
11 Nov 14:31:35 - [warn] Encrypted credentials not found
11 Nov 14:31:35 - [info] Starting flows
11 Nov 14:31:35 - [info] Started flows
11 Nov 14:37:18 - [info] Stopping flows
11 Nov 14:37:18 - [info] Stopped flows
11 Nov 14:37:18 - [info] Updated flows
11 Nov 14:37:18 - [info] Starting flows
11 Nov 14:37:18 - [info] Started flows
11 Nov 14:38:39 - [info] Stopping flows
11 Nov 14:38:39 - [info] Stopped flows
11 Nov 14:38:39 - [info] Updated flows
11 Nov 14:38:39 - [info] Starting flows
11 Nov 14:38:39 - [info] Started flows
11 Nov 14:38:41 - [info] [debug:debug 1]
{
  "id": "1",
  "type": "flow",
  "x": 100,
  "y": 100,
  "wires": []
}
```

**NODE RED PLATFORM AND ITS SIMULATION:**

