

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

DEVELOP THE WEB APPLICATION USING NODE-RED

Date	20 October 2022
Team id	PNT2022TMID28587
Project Name	Smart Waste Management System for Metropolitan Cities
Maximum Marks	4 Marks

```
node-red
Microsoft Windows [Version 10.0.22000.1098]
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C:\Users\sowmi>npm --version
8.19.2

C:\Users\sowmi>npm -g
npm <command>

Usage:

npm install      install all the dependencies in your project
npm install <foo> add the <foo> dependency to your project
npm test         run this project's tests
npm run <foo>    run the script named <foo>
npm <command> -h quick help on <command>
npm -l          display usage info for all commands
npm help <term> search for help on <term> (in a browser)
npm help npm    more involved overview (in a browser)

All commands:

  access, adduser, audit, bin, bugs, cache, ci, completion,
  config, dedupe, deprecate, diff, dist-tag, docs, doctor,
  edit, exec, explain, explore, find-dupes, fund, get, help,
  hook, init, install, install-ci-test, install-test, link,
  ll, login, logout, ls, org, outdated, owner, pack, ping,
  pkg, prefix, profile, prune, publish, query, rebuild, repo,
  restart, root, run-script, search, set, set-script,
  shrinkwrap, star, stars, start, stop, team, test, token,
  uninstall, unpublish, unstar, update, version, view, whoami

Specify configs in the ini-formatted file:
  C:\Users\sowmi\.npmrc
or on the command line via: npm <command> --key=value

More configuration info: npm help config
Configuration fields: npm help 7 config

npm@8.19.2 C:\Program Files\nodejs\node_modules\npm

C:\Users\sowmi>npm install -g --unsafe-perm node-red
npm WARN deprecated @types/keyv@4.2.0: This is a stub types definition. keyv provides its own type definitions, so you do not need this installed.

changed 292 packages, and audited 293 packages in 1m

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:
```

```
node-red
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

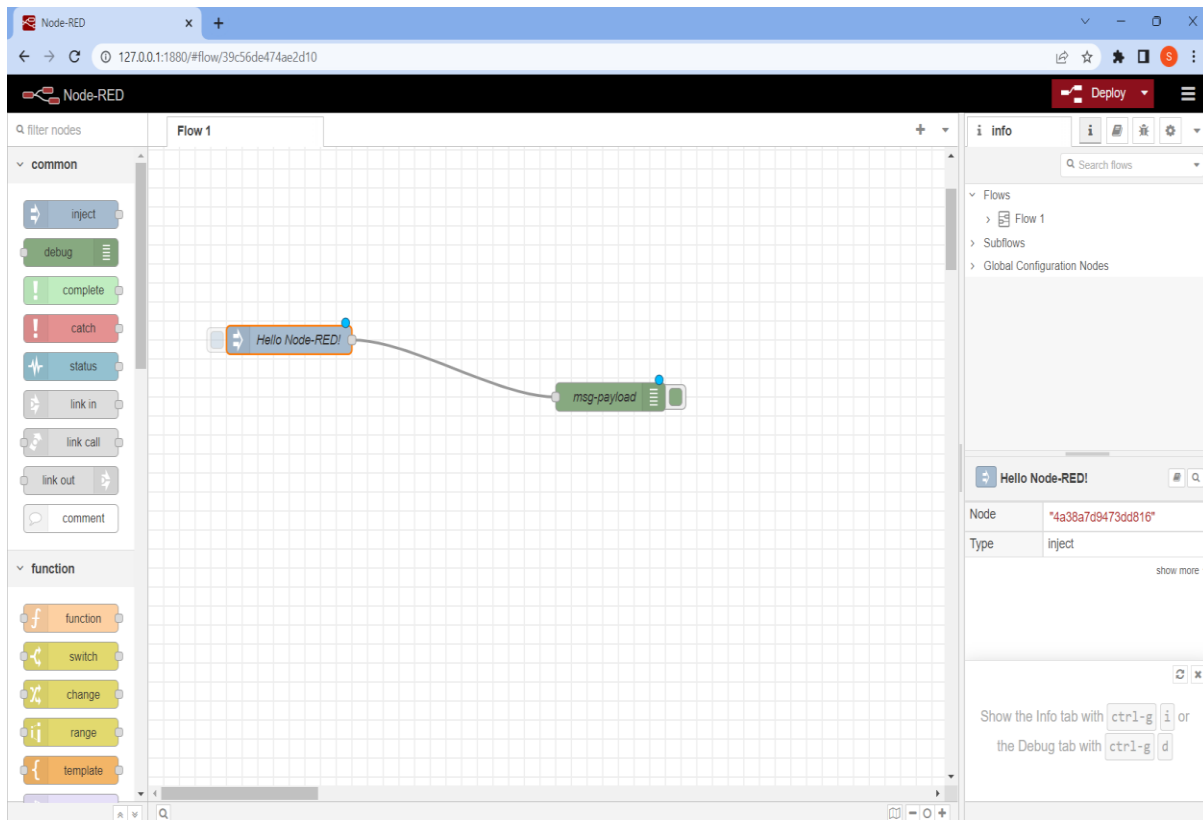
C:\Users\soumi>node-red
9 Nov 09:36:28 - [info]
Welcome to Node-RED
=====
9 Nov 09:36:28 - [info] Node-RED version: v3.0.2
9 Nov 09:36:28 - [info] Node.js version: v16.18.0
9 Nov 09:36:28 - [info] Windows_NT 10.0.22000 x64 LE
9 Nov 09:36:28 - [info] Loading palette nodes
9 Nov 09:36:29 - [info] Settings file : C:\Users\soumi\node-red\settings.js
9 Nov 09:36:29 - [info] Context store : 'default' [module=memory]
9 Nov 09:36:29 - [info] User directory : \Users\soumi\node-red
9 Nov 09:36:29 - [warn] Projects disabled : editorTheme.projects.enabled=false
9 Nov 09:36:29 - [info] Flows file : \Users\soumi\node-red\flows.json
9 Nov 09:36:29 - [info] Creating new flow file
9 Nov 09:36:29 - [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.

9 Nov 09:36:29 - [warn] Encrypted credentials not found
9 Nov 09:36:29 - [info] Server now running at http://127.0.0.1:1880/
9 Nov 09:36:29 - [info] Starting flows
9 Nov 09:36:29 - [info] Started flows
```



Node-RED

127.0.0.1:1880/#flow/39c56de474ae2d10

Node-RED

Deploy

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range
- template

msg-payload

Flow 1

Flow

39c56de474ae2d10

Enable or disable these tips from the option in the settings

```
graph LR; inject[inject] --> HelloNodeRED[Hello Node-RED]; HelloNodeRED --> msgPayload[msg-payload];
```