

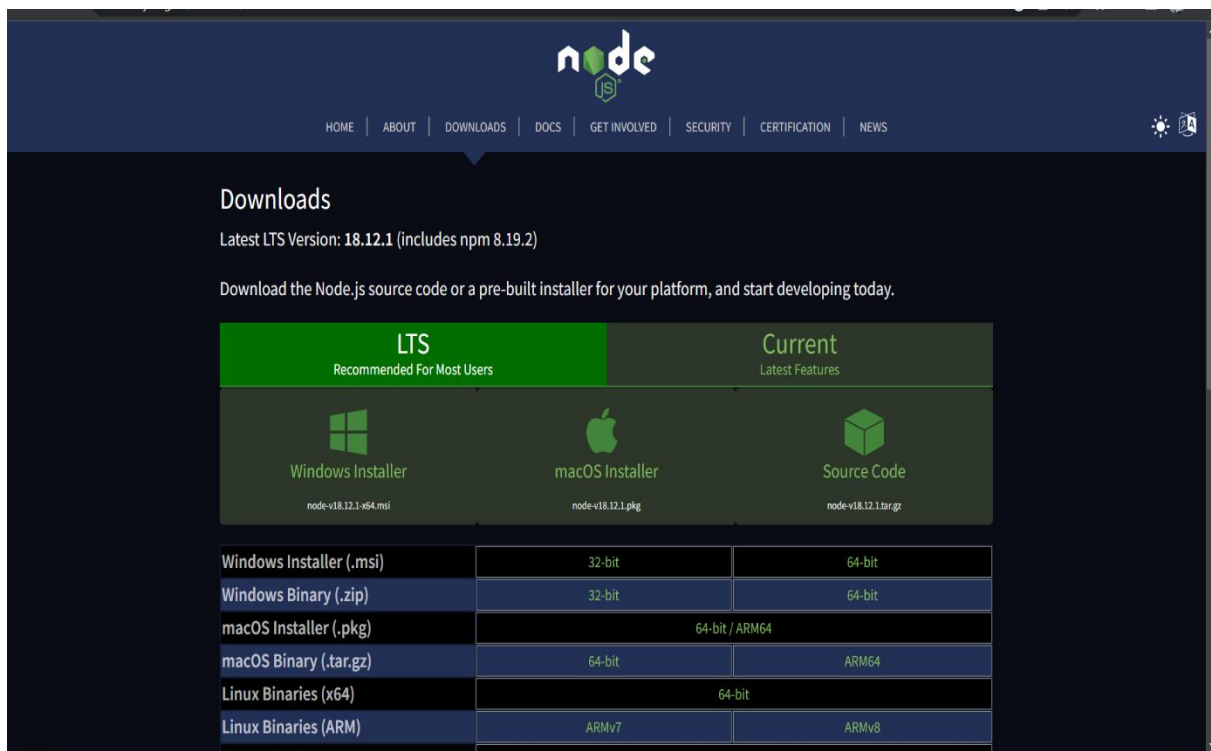
Create Node-RED Service

Date	03-11-2022
Team ID	PNT2022TMID07818
Project Name	IOT based safety gadget for Child safety monitoring and notification
Maximum Marks	4 Marks
Submitted By	Aravind. C Melsiya. S Sriragavi. S Sneha. R

Aim: To create a web application create a Node-RED service.

Steps followed:

- **Download Node JS for your pc:**



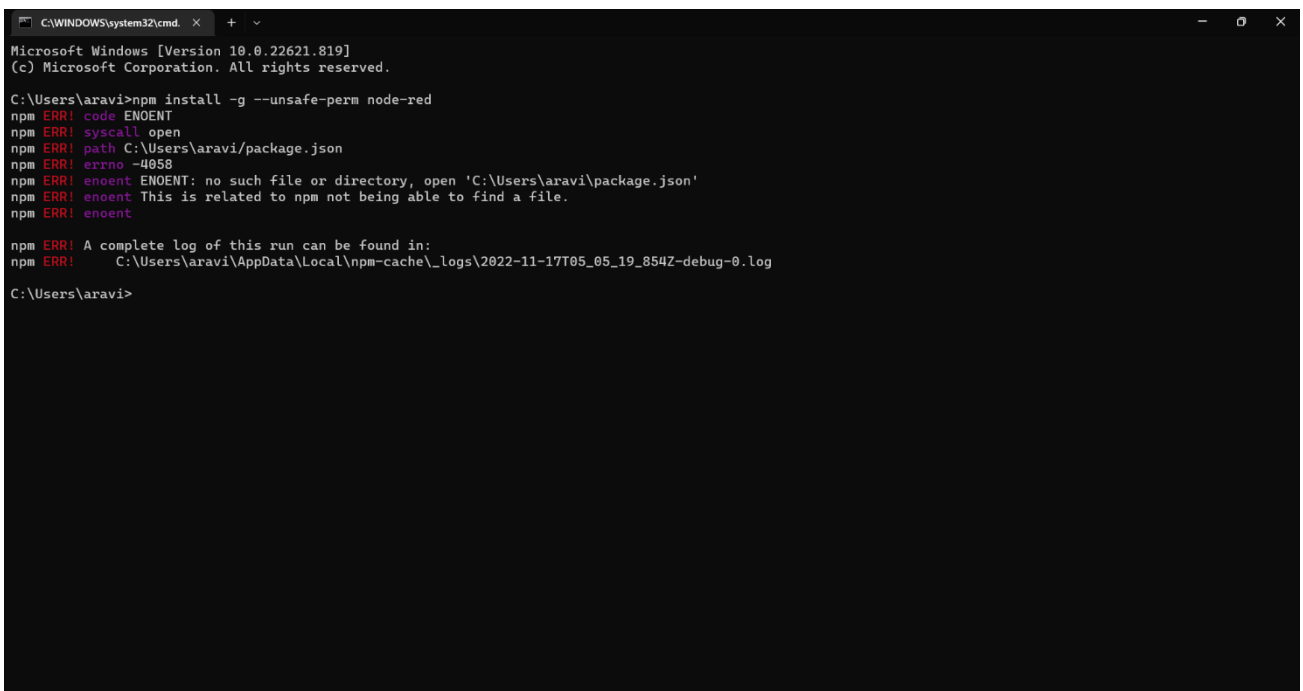
Run the command prompt in your pc:



```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aravi>
```

To install Node-Red type “npm install -g --unsafe-perm node-red” in cmd :



```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\aravi>npm install -g --unsafe-perm node-red
npm ERR! code ENOENT
npm ERR! syscall open
npm ERR! path C:\Users\aravi\package.json
npm ERR! errno -4058
npm ERR! enoent ENOENT: no such file or directory, open 'C:\Users\aravi\package.json'
npm ERR! enoent This is related to npm not being able to find a file.
npm ERR! enoent

npm ERR! A complete log of this run can be found in:
npm ERR! C:\Users\aravi\AppData\Local\npm-cache\_logs\2022-11-17T05_05_19_854Z-debug-0.log

C:\Users\aravi>
```

After installation type “node-red” in cmd to run Node-Red :

```
node-red
(c) Microsoft Corporation. All rights reserved.

C:\Users\aravi>node-red
17 Nov 10:37:18 - [info]

Welcome to Node-RED
=====

17 Nov 10:37:18 - [info] Node-RED version: v3.0.2
17 Nov 10:37:18 - [info] Node.js version: v18.12.0
17 Nov 10:37:18 - [info] Windows_NT 10.0.22621 x64 LE
17 Nov 10:37:19 - [info] Loading palette nodes
17 Nov 10:37:21 - [info] Worldmap version 2.30.3
17 Nov 10:37:21 - [info] Dashboard version 3.2.0 started at /ui
17 Nov 10:37:21 - [info] Settings file : C:\Users\aravi\.node-red\settings.js
17 Nov 10:37:21 - [info] Context store : 'default' [module=memory]
17 Nov 10:37:21 - [info] User directory : \Users\aravi\.node-red
17 Nov 10:37:21 - [warn] Projects disabled : editorTheme.projects.enabled=false
17 Nov 10:37:21 - [info] Flows file : \Users\aravi\.node-red\flows.json
17 Nov 10:37:21 - [info] Server now running at http://127.0.0.1:1880/
17 Nov 10:37:21 - [warn]

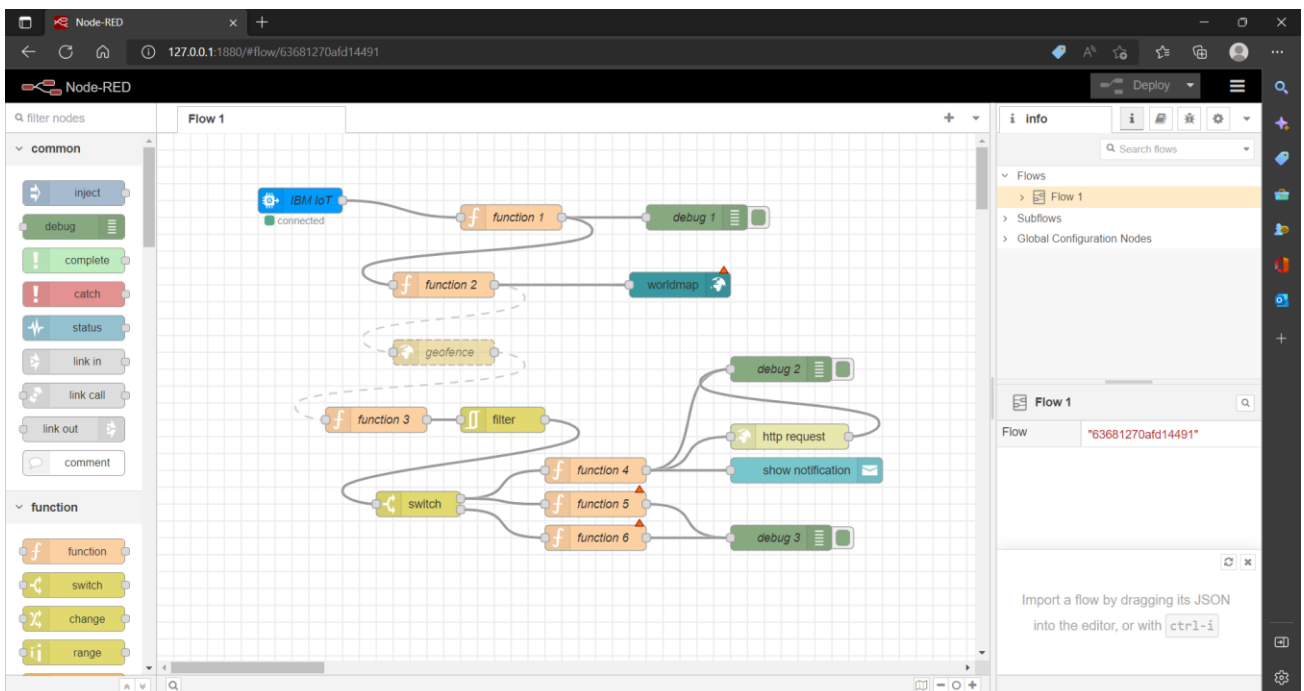
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Your flow credentials file is encrypted using a system-generated key.

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.

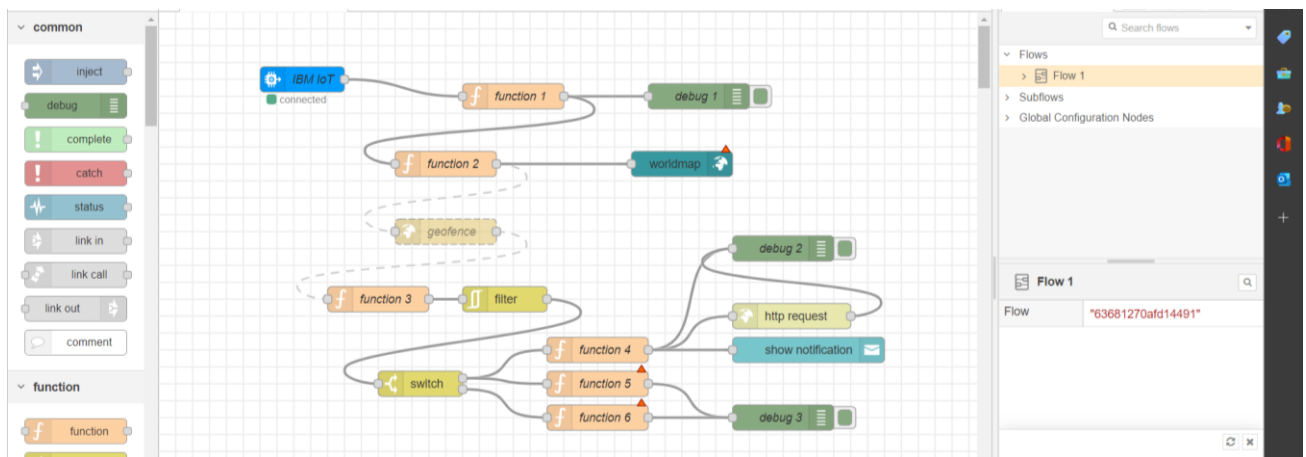
You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
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17 Nov 10:37:21 - [info] Starting flows
17 Nov 10:37:21 - [info] [ui_worldmap:35a1bec6be25dc6c] started at /worldmap
17 Nov 10:37:21 - [info] Started flows
17 Nov 10:37:21 - [error] [function:function 5] SyntaxError: Unexpected identifier (body:line 1)
17 Nov 10:37:21 - [error] [function:function 6] SyntaxError: Unexpected identifier (body:line 1)
```

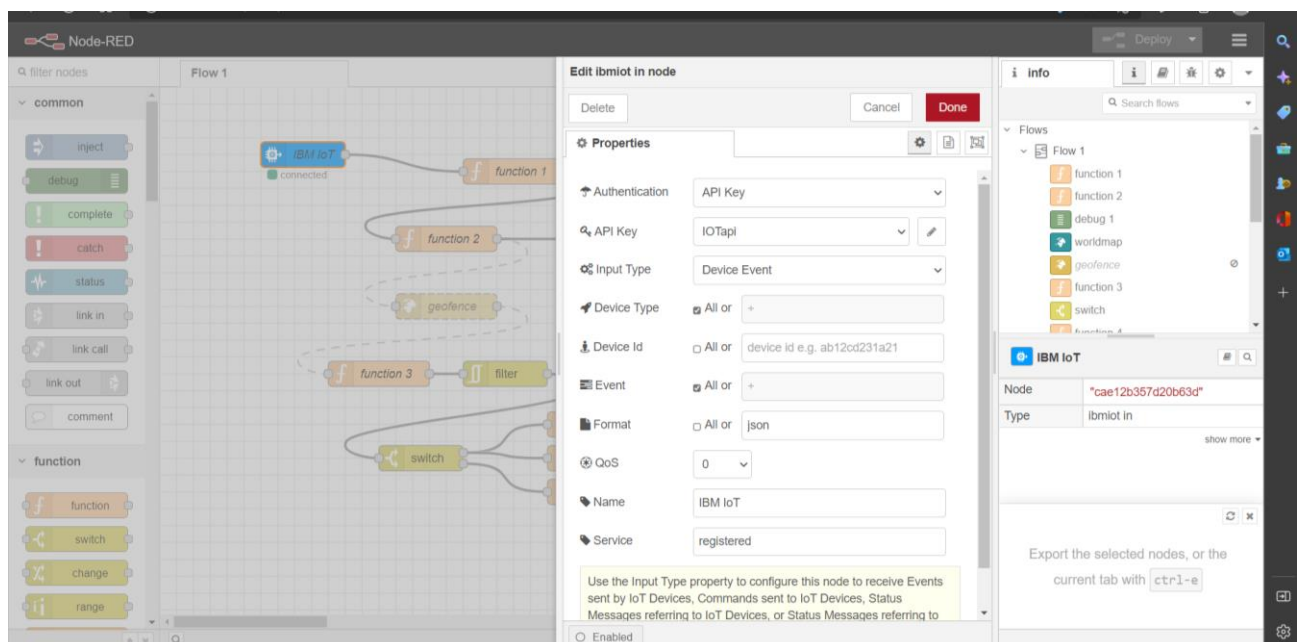
Copy the link and paste it in your Browser to run the Node-red in local server:



Dragged and dropped components into the editor



Editing some values of the properties:



Result: Successfully created a NodeRED service on IBM Cloud