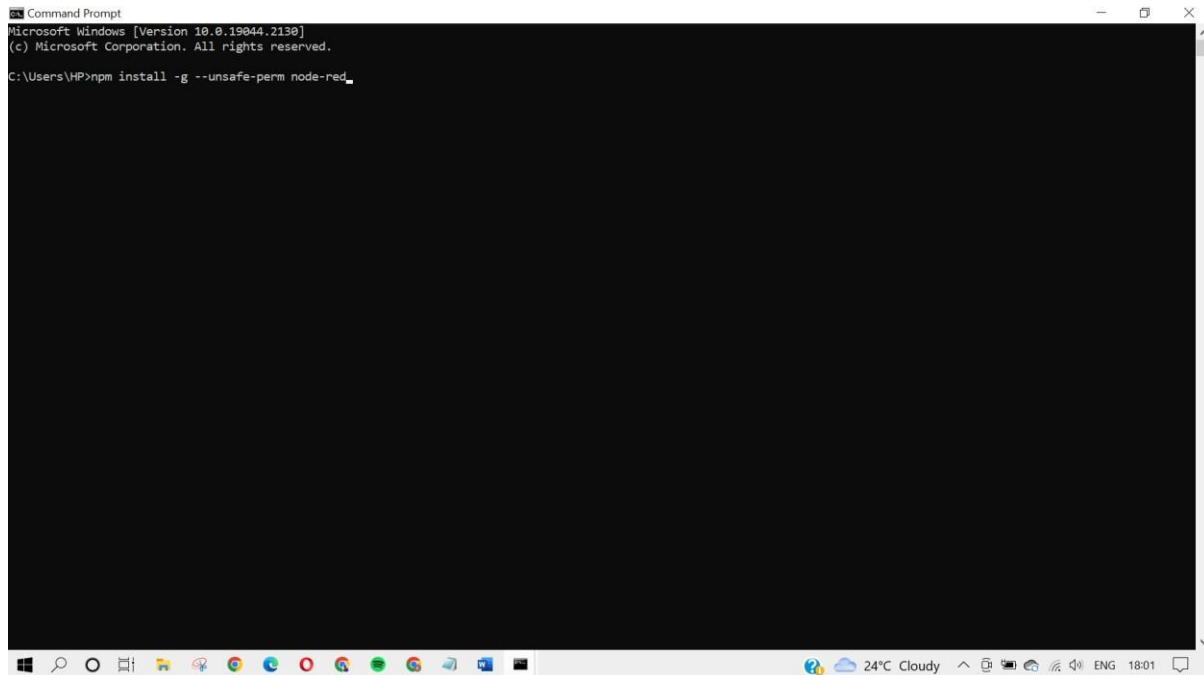


Prerequisites Software

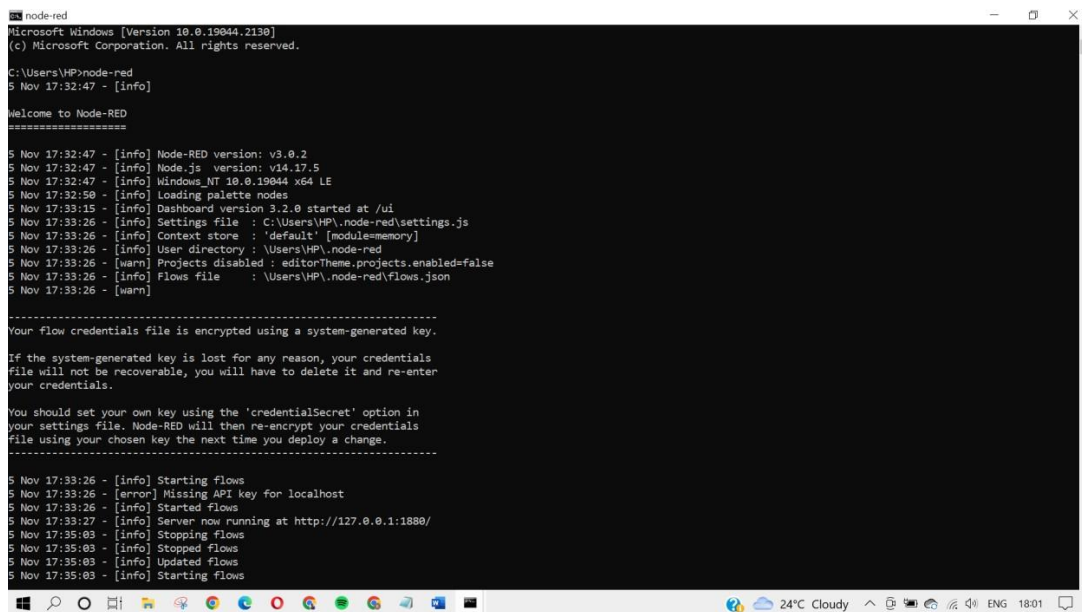
Installing Node – red services



```
Command Prompt
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>npm install -g --unsafe-perm node-red_
```

Running node – red services



```
node-red
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>node-red
5 Nov 17:32:47 - [info]
Welcome to Node-RED
=====
5 Nov 17:32:47 - [info] Node-RED version: v3.0.2
5 Nov 17:32:47 - [info] Node.js version: v14.17.5
5 Nov 17:32:47 - [info] Windows NT 10.0.19044 x64 LE
5 Nov 17:32:50 - [info] Loading palette nodes
5 Nov 17:33:15 - [info] Dashboard version 3.2.0 started at /ui
5 Nov 17:33:26 - [info] Settings file : C:\Users\HP\.node-red\settings.js
5 Nov 17:33:26 - [info] Context store : 'default' [module=memory]
5 Nov 17:33:26 - [info] User directory : \Users\HP\.node-red
5 Nov 17:33:26 - [warn] Projects disabled : editorTheme.projects.enabled=false
5 Nov 17:33:26 - [info] Flows file : \Users\HP\.node-red\flows.json
5 Nov 17:33:26 - [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.
-----

5 Nov 17:33:26 - [info] Starting flows
5 Nov 17:33:26 - [error] Missing API key for localhost
5 Nov 17:33:26 - [info] Started flows
5 Nov 17:33:27 - [info] Server now running at http://127.0.0.1:1880/
5 Nov 17:35:03 - [info] Stopping flows
5 Nov 17:35:03 - [info] Stopped flows
5 Nov 17:35:03 - [info] Updated flows
5 Nov 17:35:03 - [info] Starting flows
```

1. Creating some flows

