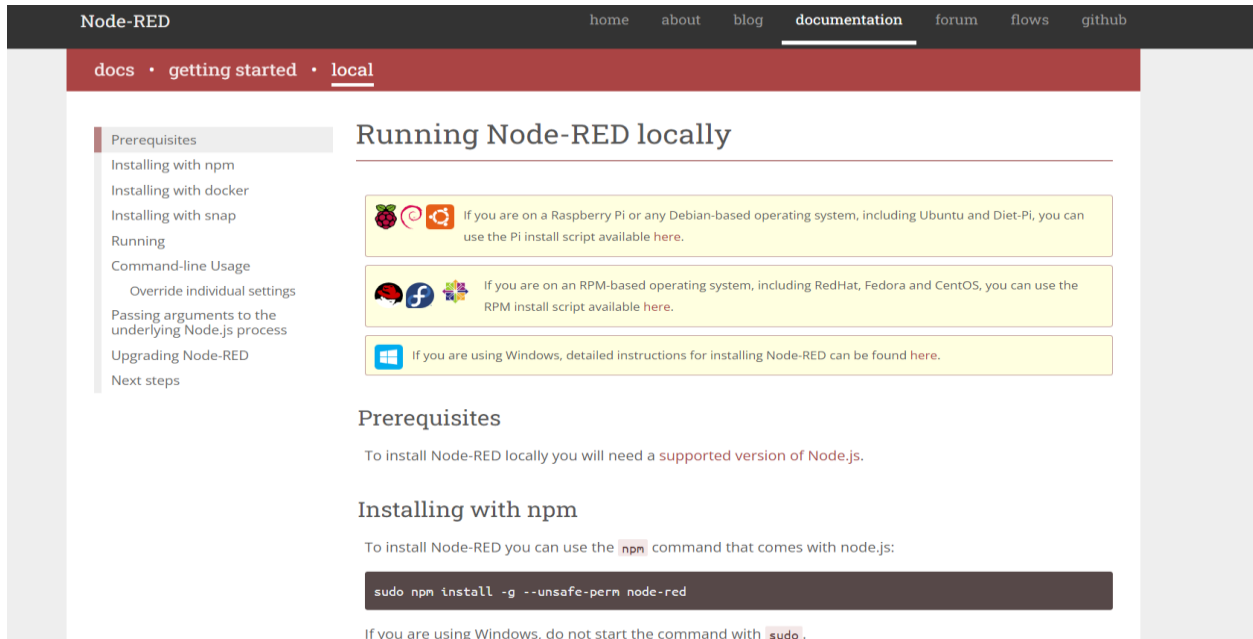


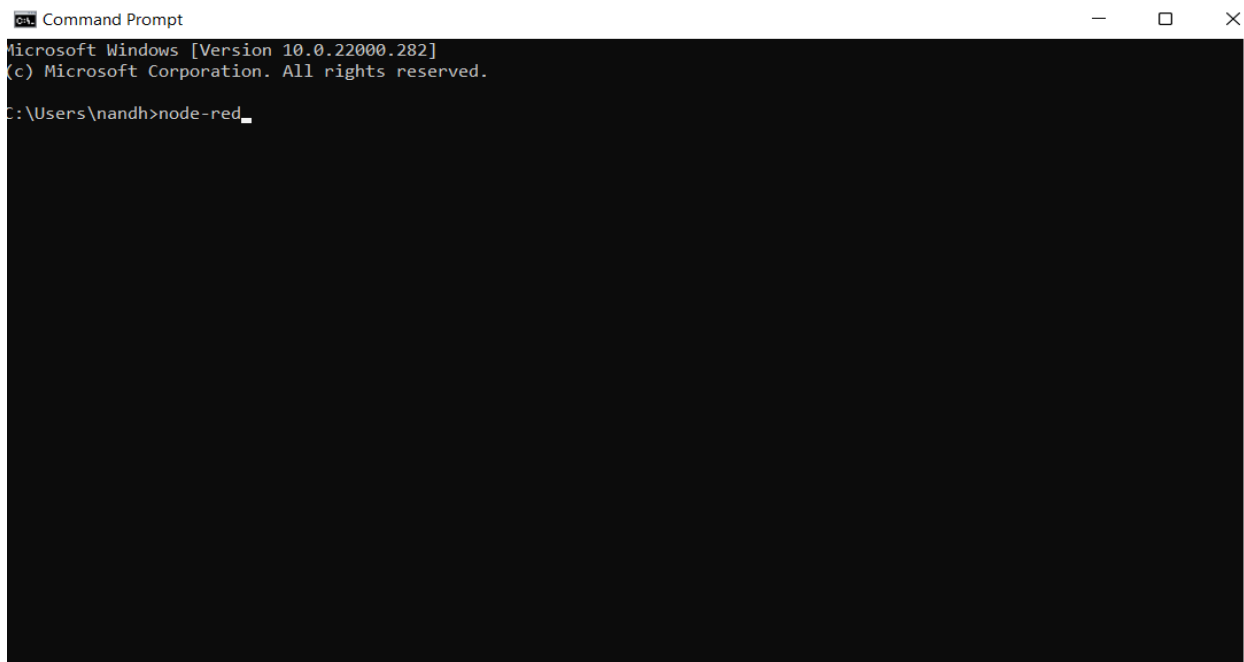
# CREATE AND CONFIGURE IBM CLOUD SERVICES

TEAM ID	PNT2022TMID48692
PROJECT TITLE	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

## Create Node-RED Service



The screenshot shows the Node-RED documentation page for running locally. The page has a dark header with navigation links: home, about, blog, documentation (active), forum, flows, and github. Below the header is a red breadcrumb trail: docs • getting started • local. The main content area is titled "Running Node-RED locally" and includes three yellow callout boxes for different operating systems: Raspberry Pi/Debian-based, RPM-based, and Windows. A left sidebar lists various topics like Prerequisites, Installing with npm, and Running. Below the callouts, the "Prerequisites" section states that a supported version of Node.js is needed. The "Installing with npm" section provides the command `sudo npm install -g --unsafe-perm node-red` and a note for Windows users to avoid using `sudo`.



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The text inside the window reads: "Microsoft Windows [Version 10.0.22000.282] (c) Microsoft Corporation. All rights reserved. C:\Users\nandh>node-red\_". The cursor is positioned at the end of the command line, ready for the next input.

```
node-red
Welcome to Node-RED
=====
8 Nov 21:10:28 - [info] Node-RED version: v3.0.2
8 Nov 21:10:28 - [info] Node.js version: v16.16.0
8 Nov 21:10:28 - [info] Windows_NT 10.0.22000 x64 LE
8 Nov 21:10:29 - [info] Loading palette nodes
8 Nov 21:10:29 - [info] Settings file : C:\Users\nandh\.node-red\settings.js
8 Nov 21:10:29 - [info] Context store : 'default' [module=memory]
8 Nov 21:10:29 - [info] User directory : \Users\nandh\.node-red
8 Nov 21:10:29 - [warn] Projects disabled : editorTheme.projects.enabled=false
8 Nov 21:10:29 - [info] Flows file : \Users\nandh\.node-red\flows.json
8 Nov 21:10:29 - [info] Server now running at http://127.0.0.1:1880/
8 Nov 21:10:29 - [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.
-----

8 Nov 21:10:29 - [info] Starting flows
8 Nov 21:10:29 - [info] Started flows
```

