

IBM Cloud Services

Create Node-RED Service

Team ID	PNT2022TMID30534
Project Name	Real-time river water quality monitoring and control system
Maximum Marks	2 Marks

Step 1:

```
node-red
Microsoft Windows [Version 10.0.19043.2130]
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C:\Windows\system32>Node-RED
8 Nov 12:54:36 - [info]

Welcome to Node-RED
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8 Nov 12:54:36 - [info] Node-RED version: v3.0.2
8 Nov 12:54:36 - [info] Node.js version: v16.18.0
8 Nov 12:54:36 - [info] Windows_NT 10.0.19043 x64 LE
8 Nov 12:54:40 - [info] Loading palette nodes
8 Nov 12:55:11 - [info] Dashboard version 3.2.0 started at /ui
8 Nov 12:55:11 - [info] Settings file : C:\Users\KANWANKARUPPAIAH J\.\node-red\settings.js
8 Nov 12:55:11 - [info] Context store : 'default' [module=memory]
8 Nov 12:55:11 - [info] User directory : \Users\KANWANKARUPPAIAH J\.\node-red
8 Nov 12:55:11 - [warn] Projects disabled : editorTheme.projects.enabled=false
8 Nov 12:55:11 - [info] Flows file : \Users\KANWANKARUPPAIAH J\.\node-red\flows.json
8 Nov 12:55:12 - [info] Server now running at http://127.0.0.1:1880/
8 Nov 12:55:12 - [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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8 Nov 12:55:12 - [info] Starting flows
8 Nov 12:55:12 - [info] Started flows
8 Nov 12:55:20 - [info] Stopping flows
8 Nov 12:55:20 - [info] Stopped flows

C:\Windows\system32>
C:\Windows\system32>Node-RED
8 Nov 12:55:25 - [info]
```

Step 2:

The screenshot displays the Node-RED web interface in a browser. The browser's address bar shows the URL: `node-red-kuxog-2022-11-16.eu-gb.mybluemix.net/red/#flow/0cdee3b52ef3af5d`. The interface includes a left sidebar with a 'filter nodes' search bar and two categories of nodes: 'common' (inject, debug, complete, catch, status, link in, link call, link out, comment) and 'function' (function, switch). The main workspace, titled 'Flow 1', contains a flow with two nodes: 'IBM IOT' and 'msg Debug 1'. A curved line connects the output of the 'IBM IOT' node to the input of the 'msg Debug 1' node. On the right side, there is an 'info' panel with a 'Search flows' input and a list of flows, including 'Flow 1'. Below this, a 'Flow 1' section shows the flow ID '0cdee3b52ef3af5d' and a tip: 'Hold down [Shift] when you click on a node to also select all of its connected nodes'. The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the temperature as 81°F and the date/time as 9:45 PM on 11/15/2022.