

# Create Node-RED Service

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<b>Team ID</b>	PNT2022TMID52158
<b>Project name</b>	Smart Farmer – IoT Enabled Smart Farming Application

Node-RED is deployed in the IBM cloud.

The screenshot shows a web browser window with the URL `node-red-dvgal-2022-11-06.us-east.mybluemix.net`. The page has a dark red header with the text "Node-RED on IBM Cloud". Below the header is a large red banner with the text "Node-RED" in white, followed by "Flow-based programming for the Internet of Things". The main content area is light gray and contains three paragraphs of text: "Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.", "This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.", and "More information about Node-RED, including documentation, can be found at [nodered.org](https://nodered.org)". To the right of the text is a button labeled "Go to your Node-RED flow editor" and a link labeled "Learn how to customise Node-RED". The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right shows the date and time as "10:15 AM 12-11-2022" and the weather as "24°C Light rain".

Node-RED on IBM Cloud

## Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at [nodered.org](https://nodered.org).

[Go to your Node-RED flow editor](#)

[Learn how to customise Node-RED](#)

Go to your Node-RED flow editor.

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-dvgal-2022-11-06-us-east.mybluemix.net/red/#flow/3d56300d559c3fee`. The interface is divided into several sections:

- Left Panel (Nodes):** A sidebar with a search bar and two categories of nodes:
  - common:** Includes nodes like `inject`, `debug`, `complete`, `catch`, `status`, `link in`, `link call`, `link out`, and `comment`.
  - function:** Includes `function` and `switch` nodes.
- Flow Canvas:** The central workspace where a flow named "Flow 1" is built. The flow starts with an `IBM IoT` node (connected) that feeds into two function nodes labeled `Temperature` and `humidity`. These function nodes output to `temperature` and `humidity` nodes respectively. Below this, there is a `switch on` node connected to an `IBM IoT` node (connected). The `switch on` node has two outputs: one to a `msg.payload` node and another to a `function` node. The `function` node is connected to an `http` node. Additionally, there is a `mit app control` node connected to a `switch off` node, which also feeds into the `function` node. A `mit app invent` node is also connected to the `http` node.
- Right Panel (Info):** A sidebar with an "info" tab. It shows a list of flows:
  - Flow 1 (selected)
  - Flow 2
  - Flow 3Below the list, it shows details for "Flow 1", including its ID `"3d56300d559c3fee"` and a note: `ctrl-space will toggle the view of this sidebar`.

The bottom of the image shows a Windows taskbar with the search bar, task icons, and system tray information including the date and time: 10:17 AM, 12-11-2022.