

# Create Node-RED Service

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<b>Team ID</b>	PNT2022TMID19088
<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 multiple tabs. The active tab is titled "Node-RED on IBM Cloud" and the address bar shows the URL "node-red-dvgal-2022-11-06.us-east.mybluemix.net". The page has a dark header with the text "Node-RED on IBM Cloud". Below this 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 Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system tray shows the weather as "24°C Light rain" and the time as "10:15 AM 12-11-2022".

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 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 complex flow diagram. It starts with an 'IBM IoT' node (connected) that branches into two paths. One path goes through 'Temperature' and 'humidity' function nodes to 'temperature' and 'humidity' output nodes. The other path goes through a 'switch on' node to an 'IBM IoT' node (connected), which then branches into 'switch off' and 'function' nodes. The 'switch off' node connects to a 'msg payload' node, and the 'function' node connects to an 'http' node. There are also 'mit app control' and 'Mit app' nodes connected to the 'switch on' and 'switch off' nodes respectively. The right sidebar shows a list of flows (Flow 1, Flow 2, Flow 3) and a 'Global Configuration Nodes' section. Below this, the 'Flow 1' section displays the flow 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 view button, and several open applications, along with system status information: 24°C, Light rain, 10:17 AM, 12-11-2022.