

# Node-Red Services

Date	14 November 2022
Team ID	PNT2022TMID24952
Project Name	Industry-specific intelligent fire management system

The screenshot displays two web interfaces. The top interface is the Node-RED web application, titled "Node-RED on IBM Cloud". It features a red header with the Node-RED logo and the tagline "Flow-based programming for the Internet of Things". Below the header, there is a description of Node-RED as a programming tool for wiring together hardware devices, APIs, and online services. A button labeled "Go to your Node-RED flow editor" is visible, along with a link to "Learn how to customise Node-RED".

The bottom interface is the IBM Cloud console, showing the "Overview" page for a "mycluster-free" cluster. The cluster is in a "Normal" state and "Expires in 29 days". The page includes a warning banner about the expiration date. Below the banner, there are four status cards: "Node status" (1 of 1, Normal), "Add-on status" (1 of 1, Normal), "Master status" (Normal), and "Ingress status" (Healthy). A "Details" section at the bottom provides information about the cluster ID, version (1.24.8\_1544), infrastructure (Classic), zones (Milan 01), creation time (17/11/2022, 10:28 am), resource group (Default), and image security enforcement (Enable).

Node-RED interface showing a flow for reading values from IBM Watson and particular devices.

**Flow 1:**

- Input:** `ibm-iot` node.
- Processing:** `f` node with `temp` and `ALERT` functions.
- Output:** `temp` node and `alert` node.
- Sequence:** `[get]/sensor` node, `mit app temp alert` node, and `http` node.

**Config Panel:**

- On all flows:** `ibmiot` node with ID `993fdf61f66e2ab3` and value `1`.
- Flow 1:** (Empty)

**System Information:**

- Temperature: 25°C
- Time: 11:40 PM
- Date: 11/17/2022