

# GAS LEAKAGE MONITORING AND ALERTING SYSTEM

## TEAM MEMBERS:

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## CREATE Node-RED SERVICES:

The screenshot displays the IBM Cloud console interface for a service named "Node RED FYOCP 2022-11-15". The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Akshaya K S's Account). The main content area is divided into several sections:

- Details:** A table showing the App URL (<http://159.122.177.81:30596>), Source (<https://us-south.git.cloud.ibm.com/ksakshaya2623/NodeREDF...>), Resource group (Default), Deployment target (mycluster-free), and Created date (11/15/2022).
- Services:** A section for the "Cloudant" service, including links to Open dashboard, Documentation, and API reference, and buttons for Connect existing services and Create service.
- Deployment Automation:** A section showing the Name (NodeREDFYOCP2022-11-15), Location (Dallas), and Tool integrations (Lightbulb, Cloud, and Checkmark icons). Below this, it lists two delivery pipelines: "pr-pipeline" (No stages detected) and "ci-pipeline" (Success).
- Getting started quickly:** A sidebar on the right with a lightbulb icon and a close button. It contains a "Configuring your app" section with five steps: 1. Use the Services card to connect a service to your app. 2. If you want to view the code before your app is deployed, click Download code to obtain the .zip file. 3. Click Deploy your app in the Deployment Automation card to select the deployment target and configure the Continuous Delivery service. 4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or view the app's URL. 5. If you make any changes to your app, be sure to deploy it again.

The bottom right corner of the console features an "ASK A QUESTION" button.

# 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](#)

## Customising your instance of Node-RED

### Customising your instance of Node-RED

This instance of Node-RED is enough to get you started creating flows.

You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow editor or adding new nodes to the palette.

To start customising your instance of Node-RED, you can either download the application locally or use IBM DevOps Services to edit and deploy your changes directly.

+ Securing the editor

+ Enabling Application Metrics for Node.js monitoring

+ Adding new nodes to the palette

+ Upgrading the version of Node-RED

+ Changing the static web content

+ Remove static web content and serve the flow editor from the root path

