

Develop The Web Application Using Node-RED

Team ID	PNT2022TMID02550
Project Name	Smart waste management system for metropolitan cities

The screenshot displays the IBM Cloud console interface for a resource named "Node RED TVAFO 2022-11-16". The interface is divided into several sections:

- Details:** Provides key information about the application, including the App URL (<http://159.122.186.51:30963>), Source (<https://us-south.git.cloud.ibm.com/vishnupradeep.rc.2019.eco...>), Resource group (Default), Deployment target (mycluster-free), and Created date (11/16/2022).
- Services:** Shows the application is connected to the "Cloudbant" service. It includes links for the Open dashboard, Documentation, and API reference, along with a Credentials dropdown and buttons to "Connect existing services" or "Create service".
- Deployment Automation:** Lists two delivery pipelines: "ci-pipeline" (Status: Success) and "pr-pipeline" (Status: No stages detected).
- Getting started quickly:** A sidebar with a close button (X) containing a "Configuring your app" section. It provides instructions on how to connect services and DevOps toolchains, download code, and deploy the application.

The screenshot shows the Node-RED web interface. The main workspace displays a flow named "Flow 1" with two nodes: a "Hello Node-RED!" message node and a "msg.payload" output node. The left sidebar contains a "filter nodes" search bar and a list of available nodes categorized by type: input, output, sequence, and parser. The right sidebar shows a "debug" console with a log entry from 11/17/2022 at 1:25:26 AM, indicating the message payload is "Hello Node-RED!".

Node-RED interface showing a flow named "Flow 1". The flow consists of a "Hello Node-RED!" node connected to a "msg.payload" node. The "msg.payload" node is connected to an "IBM IoT" node, which is marked as "connected".

The right sidebar shows the "debug" console with the following log entries:

```
{ dist: 40, dist2: 17 }
11/17/2022, 12:14:53 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : string[34]
"Risk warning: dumpster is above 50%"
11/17/2022, 12:14:54 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : Object
{ dist: 41, dist2: 67 }
11/17/2022, 12:15:33 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : string[36]
"alert :No need to collect right now"
11/17/2022, 12:15:34 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : Object
{ dist: 46, dist2: 24 }
11/17/2022, 12:16:13 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : string[34]
"Risk warning: dumpster is above 50%"
11/17/2022, 12:16:14 AM node: 12f2649a.0d0d98
iot-2-type/RaspberryP/Id12345/ev/IoTSensorfmt/json :
msg.payload : Object
{ dist: 79, dist2: 56 }
```

