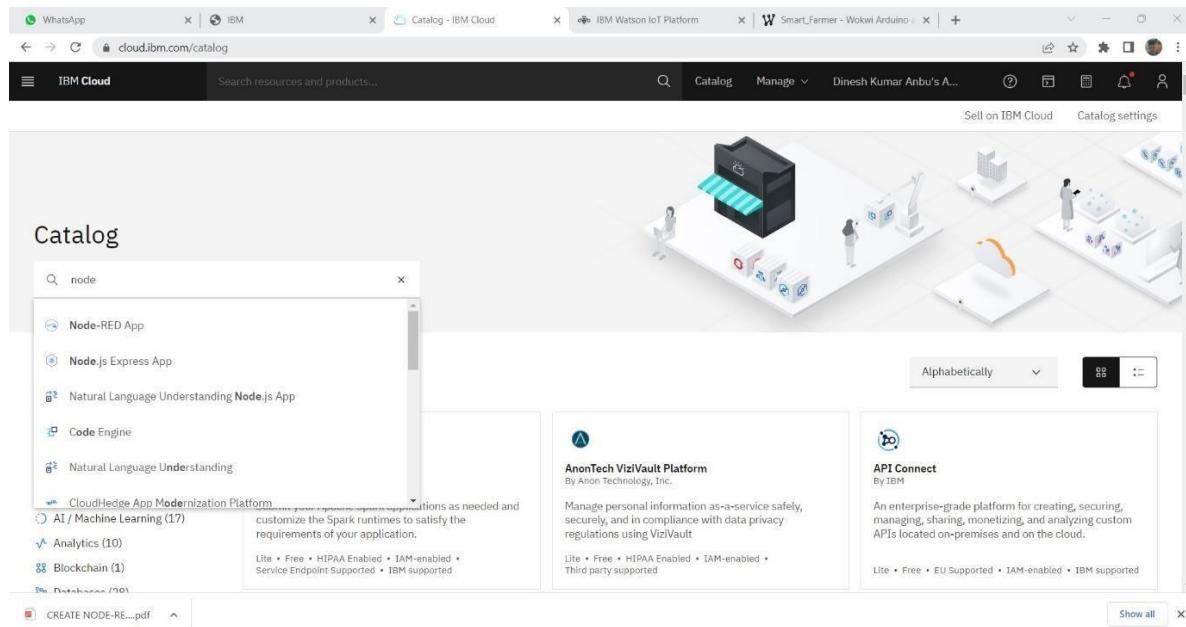


Create Node-RED Service

Date	17 November 2022
Team ID	PNT2022TMID18233
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

Steps for creating Node-RED Service

1. Find the Node-RED Starter Kit in the IBM Cloud catalog.
2. Create your application.
3. Enable the Continuous Delivery feature.
4. Open the Node-RED application.
5. Configure your Node-RED application.
6. Add extra nodes to your Node-RED palette



STEP 1: Find the Node-RED Starter Kit In The IBM Cloud Catalog

The screenshot shows the IBM Cloud interface for creating a new application. The top navigation bar includes tabs for WhatsApp, IBM, IBM App Development, IBM Watson IoT Platform, and Smart_Farmer - Wokwi Arduino. The main content area is titled "Node-RED" under the "Create app" section. The "Create" tab is selected. The "App details" section contains fields for "App name" (set to "Node RED WDWJ 2022-11-13"), "Resource group" (set to "Default"), and "Tags" (set to "env:dev, version=1"). A "Platform" section shows "Node.js" selected. On the right side, there is a "ASK A QUESTION" button.

STEP 2: Create Your Application

The screenshot shows the IBM Cloud Resource list page. The top navigation bar includes tabs for WhatsApp, IBM, Resource list - IBM Cloud, IBM Watson IoT Platform, and Smart_Farmer - Wokwi Arduino. The main content area is titled "Resource list". On the left, there is a sidebar with icons for Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, Databases, Developer tools, and Logging and monitoring. The main table lists resources: "Node RED FSROS 2022-11-03" under Compute, which is a Node.js instance located in Sydney, started. There are also sections for Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, Databases (2+), Developer tools (4+), and Logging and monitoring. A "Create resource" button is located at the top right of the table.

STEP 3: Enable The Continuous Delivery Feature

Resource list / Node RED FSROS 2022-11-03 • Running Visit App URL Add tags

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0 — 2048 256

Runtime cost

Current and estimated cost excludes connected services.

Runtime

Node.js

256 Total MB allocation

1.75 GB still available

Free Used

Connections (1)

node-red-fsros-2022--cloudant-1667494911077-14211

CREATE NODE-RED.pdf

STEP 4: Open the Node-RED application

WhatsApp | IBM | Application Details - IBM | Node-RED on IBM Cloud | IBM Watson IoT Platform | Smart_Farmer - Wokwi Arduino

node-red-fsros-2022-11-03.au-syd.mybluemix.net

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.

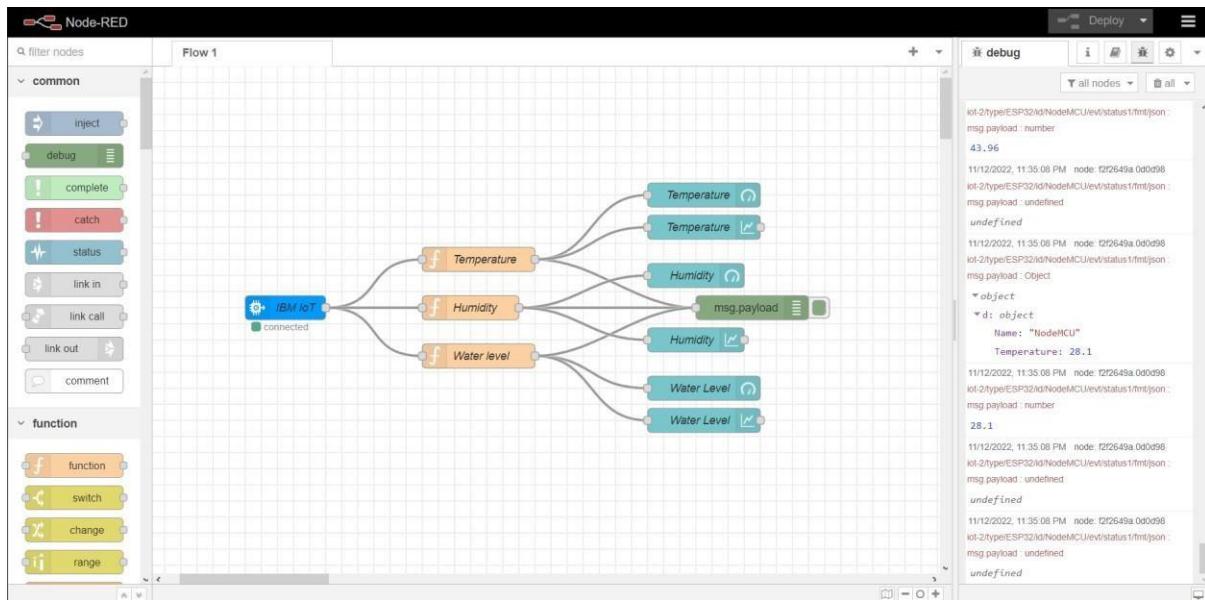
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at nodered.org.

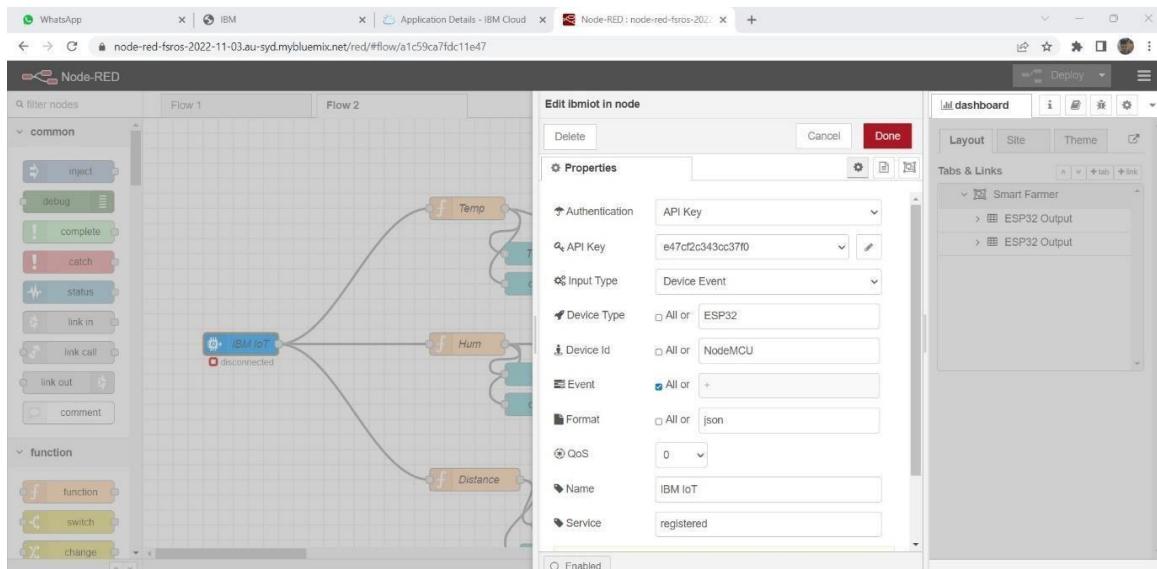
Go to your Node-RED flow editor

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

STEP 5: Configure your Node-RED application



SEP 6: Configure your Node-RED application



STEP 7: Add extra nodes to your Node-RED palette