

# Project Development Phase - Sprint 3

Team ID	PNT2022TMID41893
Project Name	IoT Based Smart Crop Protection System For Agriculture

Catalog

Node-RED App

CloudHedge App Modernization Platform

Node.js Express App

Natural Language Understanding Node.js App

Block Storage

Analytics (10)

Blockchain (1)

Databases (28)

Developer tools (25)

Monitoring and monitoring (3)

Waiting for cloud.ibm.com...

Node RED NUTNR 2022-11-23

Details

App URL

Source

Download code

Resource group

Default

Deployment target

You must deploy your app first

Created

11/23/2022

Services

Cloudant

Open dashboard

Documentation

API reference

Credentials

Connect existing services

Create service

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more.](#)
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. The deployment begins automatically.
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

node-red-sezzq-2022-11-07.au-syd.mybluemix.net/red/#flow/1b4702567f0f67ad

Node-RED

Filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range

Flow 1

Hello Node-RED! → msg.payload

Info

Search flows

- Flows
  - Flow 1
- Subflows
- Global Configuration Nodes

Flow 1

Flow: 1b4702567f0f67ad

Export the selected nodes, or the current tab with `ctrl+E`

node-red-nfuua-2022-11-07.au-syd.mybluemix.net/red/#flow/d58ec649efc0ad

Node-RED

Filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change

Flow 1

IBM IoT → function → switch → function → Moisture Status In Soil → rbe → http request → msg.payload

function → Humidity → function → http request → function → http → msg.payload → template

Click on button to Get Image → http request → function → http → msg.payload → template

LIGHT ON → msg.payload → IBM IoT

LIGHT OFF → msg.payload → IBM IoT

MOTOR ON → msg.payload → IBM IoT

MOTOR OFF → msg.payload → IBM IoT

debug

Clear messages `(ctrl+alt+L)` | All

11/22/2022, 7:32:36 PM node: 122649a.000d98  
iot-2/hyperabvkd/123456789/rev/status/html/json :  
msg.payload: Object  
{  
 "Moisture": 6,  
 "animal status": "animal is present"  
}

11/22/2022, 7:32:38 PM node: 122649a.000d98  
iot-2/hyperabvkd/123456789/rev/status/html/json :  
msg.payload: Object  
{  
 "temperature": 32,  
 "humidity": 4,  
 "Moisture": 13,  
 "animal status": "animal is present"  
}

11/22/2022, 7:32:40 PM node: 122649a.000d98  
iot-2/hyperabvkd/123456789/rev/status/html/json :  
msg.payload: Object  
{  
 "temperature": 120,  
 "humidity": 56,  
 "Moisture": 6,  
 "animal status": "animal is not present"  
}

11/22/2022, 7:32:42 PM node: 122649a.000d98  
iot-2/hyperabvkd/123456789/rev/status/html/json :  
msg.payload: Object  
{  
 "temperature": 54,  
 "humidity": 37,  
 "Moisture": 2,  
 "animal status": "animal is not present"  
}

11/22/2022, 7:32:42 PM node: 122649a.000d98  
iot-2/hyperabvkd/123456789/rev/status/html/json :  
msg.payload: Object  
{  
 "temperature": 110,  
 "humidity": 52,  
 "Moisture": 3,  
 "animal status": "animal is present"  
}

Develop the web a...pdf

Show all

