

# SPRINT 2

## SOFTWARE CREATION

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID29726
Project Name	Project – IoT based smart crop protection system for agriculture

### DESCRIPTION:

According to our sprint 2 plan we are going to create device in IBM Watson ,Node red creation , accounts in cloudant and cloud object storage

### DEVICE CREATION IN IBM WATSON:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar for 'Device ID' is present. The main content area shows a table of devices. The first device, '12345', is 'Connected' and is of type 'arduino'. Below the table, a 'Recent Events' section shows a live stream of data from the device. The events are listed in a table with columns: Event, Value, Format, and Last Received. The events are from 'IoTSensor' and contain JSON data for temperature, humidity, and moisture. A status box at the bottom right indicates '1 Simulation running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	arduino	Device	Nov 11, 2022 10:54 PM	

Event	Value	Format	Last Received
IoTSensor	{"temp":101,"Humid":92,"moisture":25}	json	a few seconds ago
IoTSensor	{"temp":97,"Humid":83,"moisture":16}	json	a few seconds ago
IoTSensor	{"temp":109,"Humid":98,"moisture":18}	json	a few seconds ago

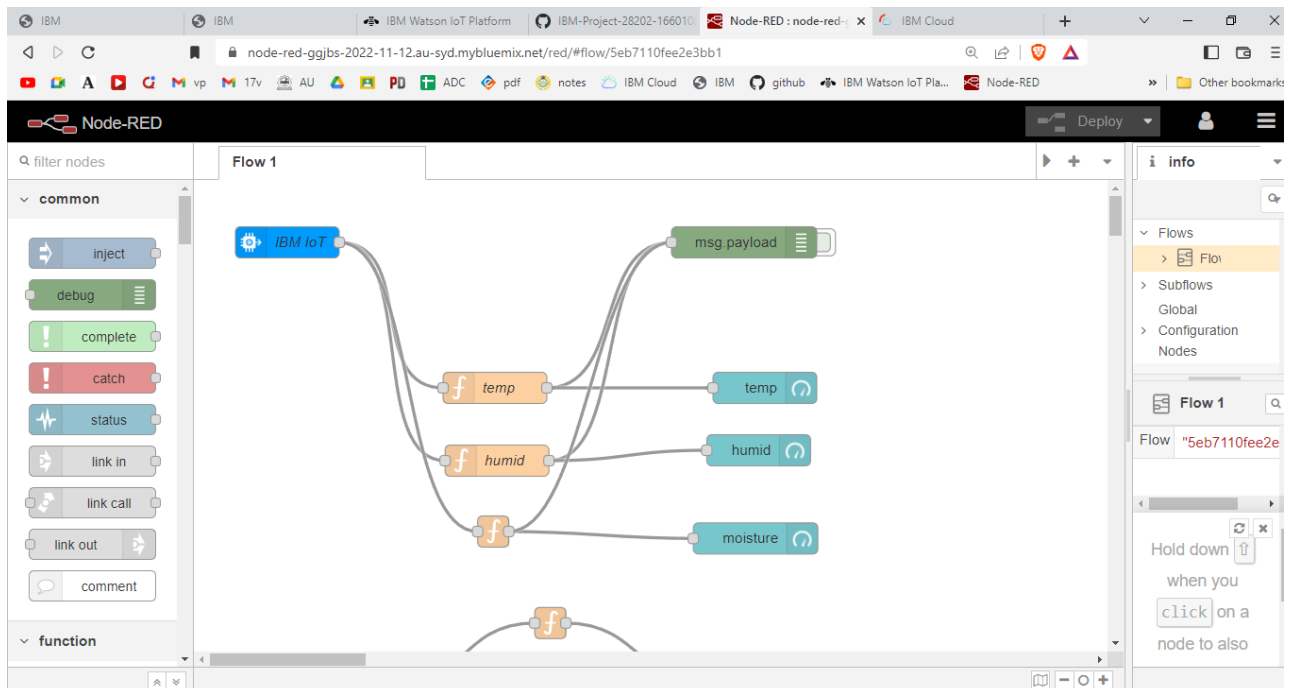
1 Simulation running

## NODE RED:

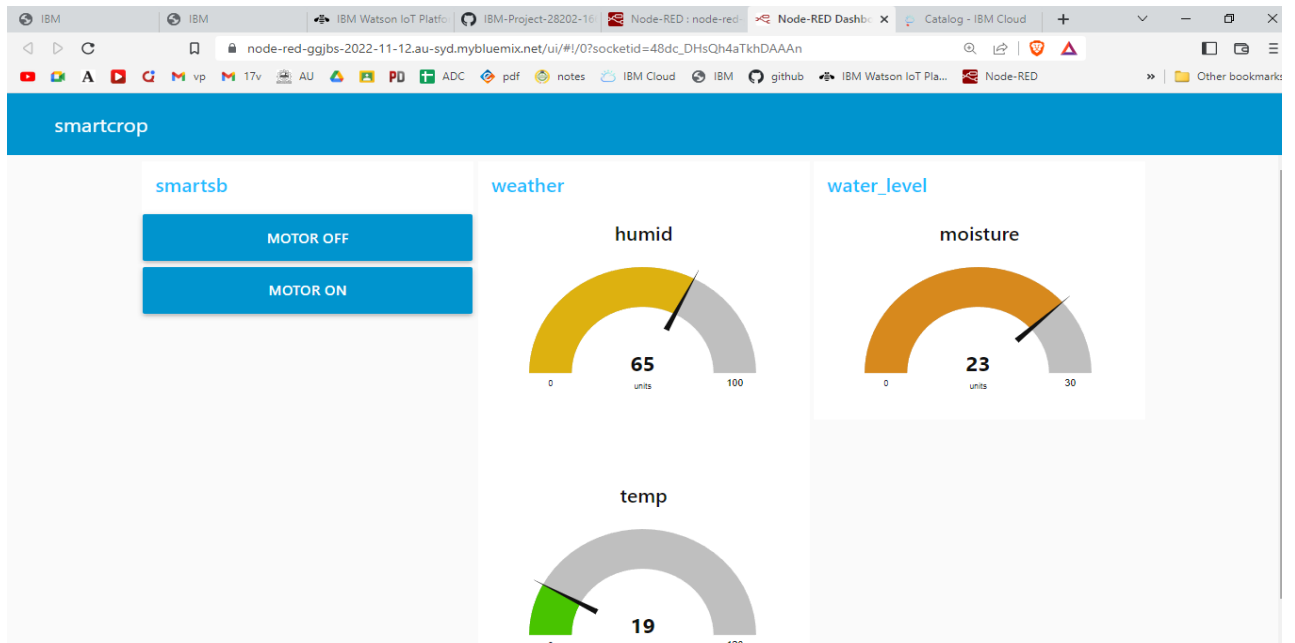
The screenshot shows the IBM Cloud dashboard for a Node-RED application named "Node RED GGJBS 2022-11-12". The application is in a "Running" state. The dashboard includes a sidebar with navigation options: Overview, Runtime, Connections, Logs, API Management, and Autoscaling. The main content area displays the following information:

- Instances:** Health is 100%, with 1/1 instance(s) running. A slider for "MB memory per instance" is set to 256 out of a maximum of 2048.
- Runtime:** A donut chart shows the memory usage for Node.js, with 256 MB total allocation. A note indicates "1.75 GB still available".
- Runtime cost:** A section for monitoring the application's cost.
- Connections (1):** A section for monitoring the application's connections.

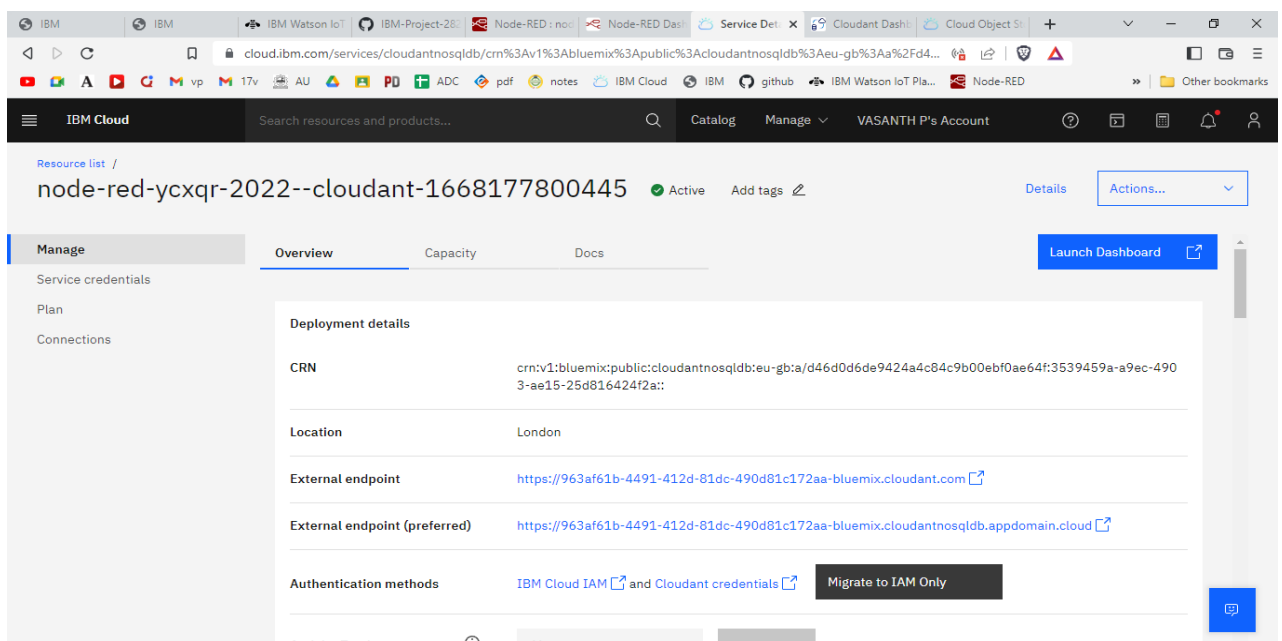
A notification banner at the top states: "IBM Cloud Foundry Public is being deprecated. Please see full details."



## WEBSITE USING NODE RED:



## CLOUDANT:



IBM Cloudant Databases dashboard showing a list of databases.

Name	Size	# of Docs	Partitioned	Actions
ard	15 bytes	1	No	[Icons]
noderedggjbs20221112	28.5 KB	4	No	[Icons]

Showing 1–2 of 2 databases. Databases per page: 20

## CLOUD OBJECT STORAGE:

IBM Cloud Object Storage Buckets dashboard.

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

Name	Public access	Location	Storage class	Created
sampleiot	No	au-syd	Standard	2022-11-18 12:10 AM