

## BUILD A WEB APPLICATION USING NODE-RED SERVICE

Team ID	PNT2022TMID12911
Project Name	Smart Farmer – IoT Enabled Farming Application

### Node-RED Service Creation in IBM Cloud:

The screenshot displays the IBM Cloud developer console interface for a service named "Node RED PHFLS 2022-11-15". The interface is divided into several sections:

- Details:** A table showing key information about the service:

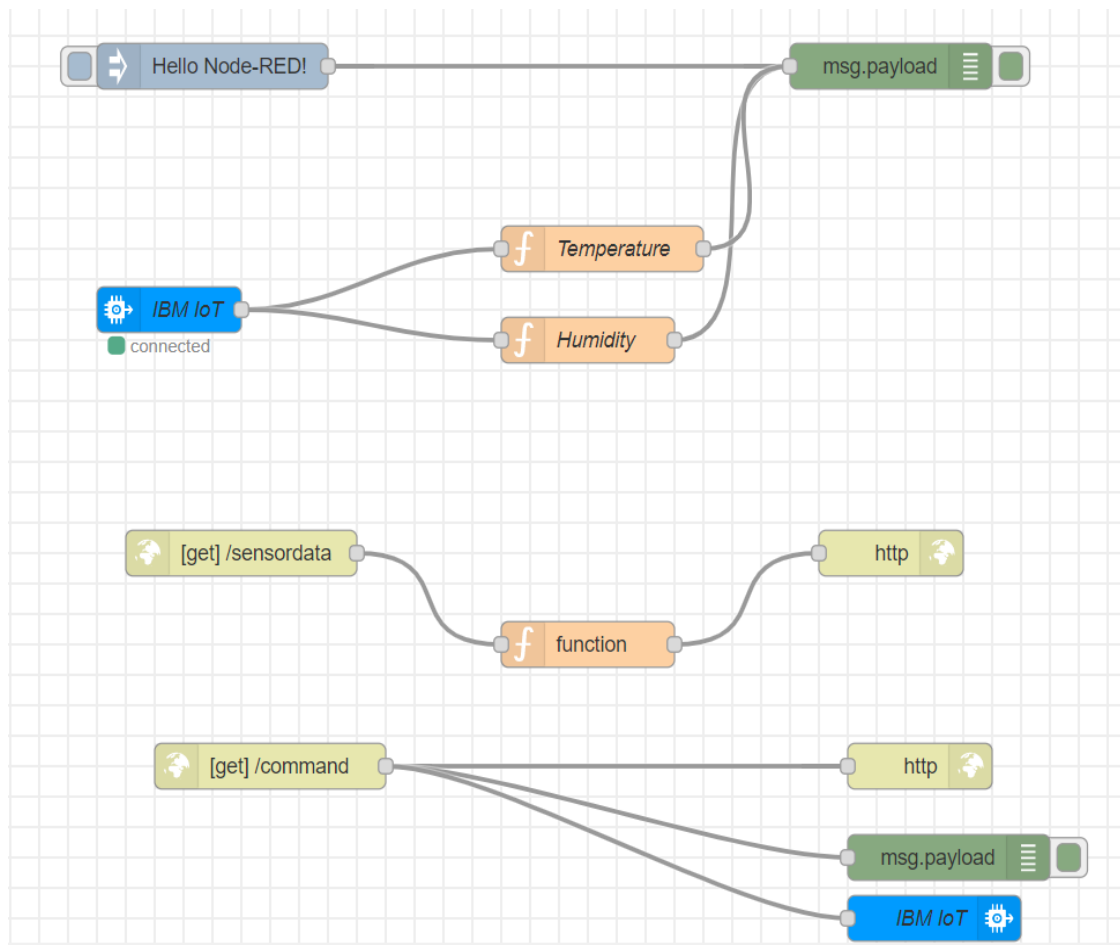
App URL	<a href="http://159.122.183.33:30753">http://159.122.183.33:30753</a>
Source	<a href="https://us-south.git.cloud.ibm.com/pradeipsk17/NodeREDPHF...">https://us-south.git.cloud.ibm.com/pradeipsk17/NodeREDPHF...</a>
Resource group	Default
Deployment target	Kube/Helm
Created	11/15/2022
- Services:** A section showing the "Cloudant" service with links to "Open dashboard", "Documentation", and "API reference". It also includes a "Credentials" dropdown and buttons for "Connect existing services" and "Create service".
- Deployment Automation:** A section showing the deployment configuration:

Name	NodeREDPHFLS2022-11-15
Location	Dallas
Tool integrations	[Icons for various tools]
- Delivery Pipelines:** A section showing the status of deployment pipelines:

Name	pr-pipeline	Status	No stages detected
Name	ci-pipeline	Status	Success
- Getting started quickly:** A sidebar on the right with a list of steps for configuring the app, including connecting services, downloading code, and deploying the app.

Node-RED service was created in the IBM cloud. After establishing Node-RED service, IBM IoT was installed in the Node-RED platform. Then, IBM Watson IoT platform was connected with Node-RED and the values in the IBM Watson IoT platform gets updated to the Node-RED in json file format.

## Node-RED flow for getting sensor values from IBM Watson IoT Platform:



Node-RED Flow