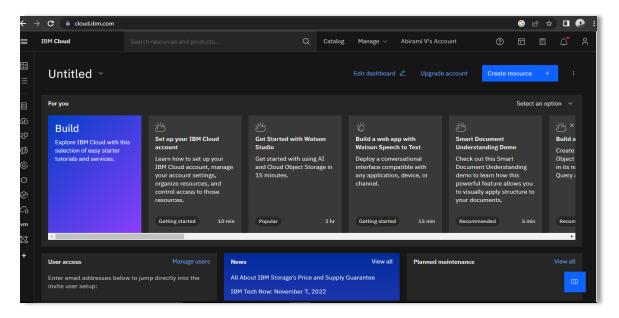
## **Create And Configure IBM Cloud Services**

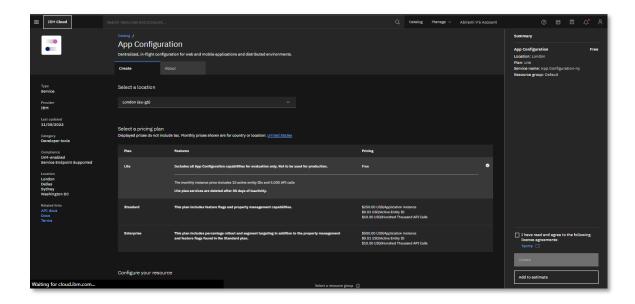
## **Create Node-RED Service**

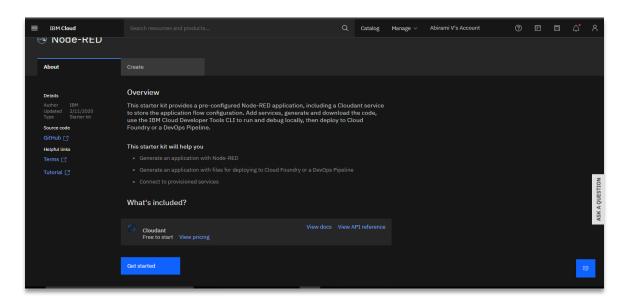
Date	12 Nov. 22
Team Id	PNT2022TMID51073
Project Name	SmartFarmer - IoT Enabled Smart Farming Application

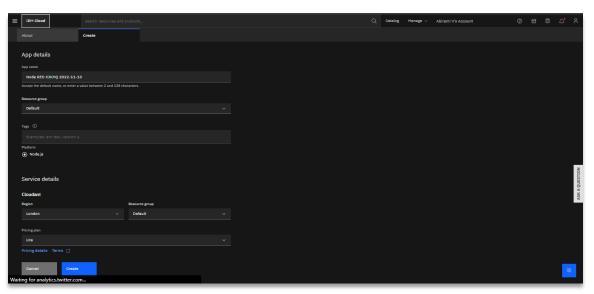
## **Created Node-RED Service and learn about the features**

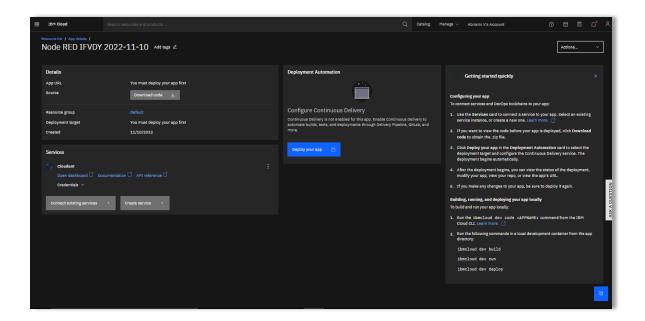
Here is the step by step process we done to create Node-Red Service

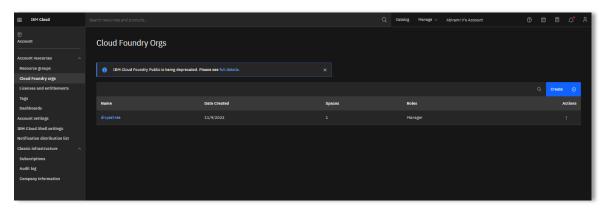


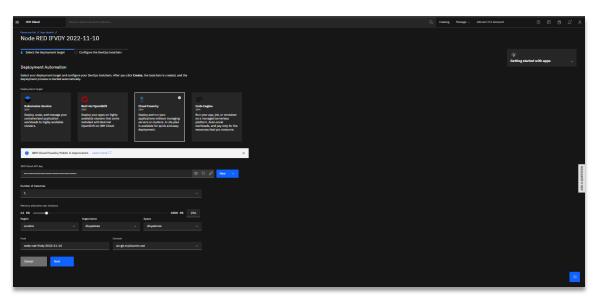


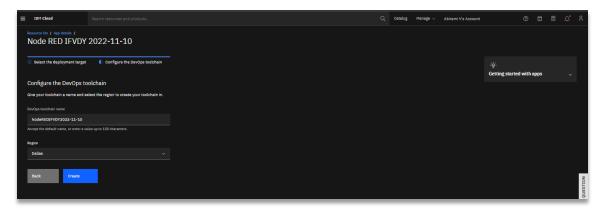


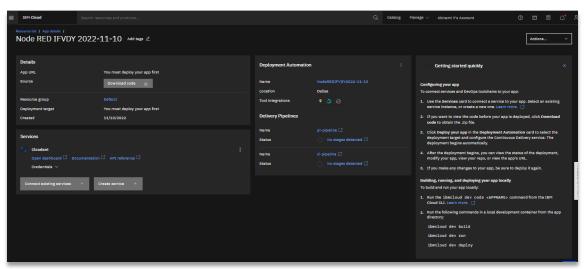


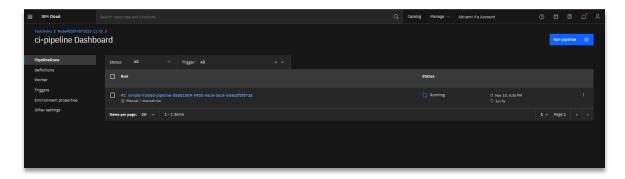


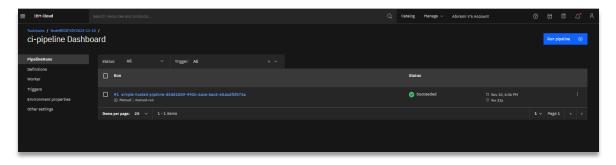


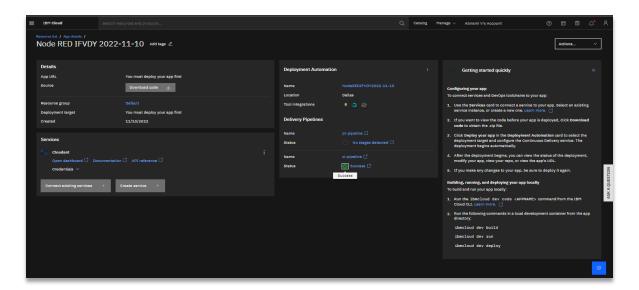


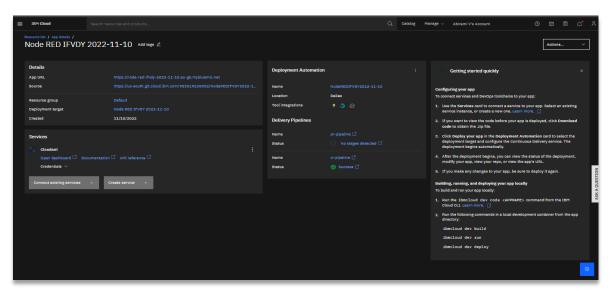


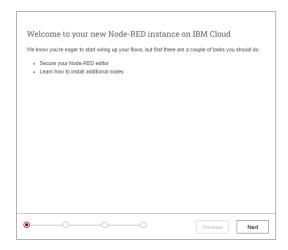


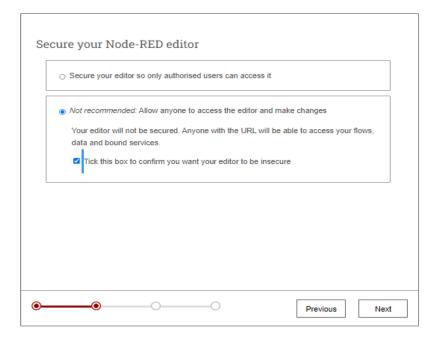




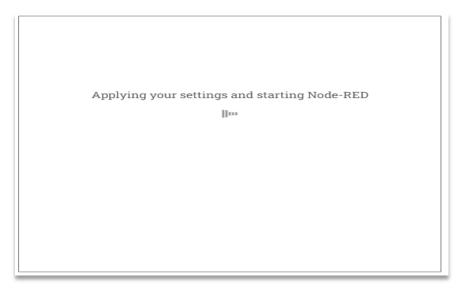












Node-RED on IBM Cloud Node-RED Flow-based programming for the Internet of Things Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways. This instance is running as an IBM Cloud application, giving it access to the wide range of services 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 Customising your instance of Node-RED This instance of Node-RED is enough to get you started creating flows. You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow editor or adding new nodes to the palette. To start customisting your instance of Node-RED, you can either download the application locally or use IBM DevOps Services to edit and deploy your changes directly. The environment variables you can set are: NOOE\_RED\_LISERNAME - the username to secure the editor with
NOOE\_RED\_PASSACIOD - the password to secure the editor with
NOOE\_RED\_GUEST\_USER - set to true to allow anonymous users to have read-only access to the editor. Bluemix console On the Bluemix console page for this application, go to the Runtime' page and then the Environment Variables' section
Add the required user-defined variables
Click Save and related you application cr command-line 1. Run the command: cf set-env [APPLICATION\_NAME] [ENV\_VAR\_NAME] [ENV\_VAR\_VALUE] • + Enabling Application Metrics for Node.js monitoring When you first ran this application you were presented with an option to enable monitoring of your Node-RED flows using the <u>Application Metrics for Node is</u> dashboard. To change those options, you can set an environment variable from either the Bluemix console or the c+ command-line. When enabled, the <u>Application Metrics for Node is</u> dashboard will be available at https://node-red-ifvdy-2022-11-10.eu-gb.mybluemix.net/appmetrics-dash

