

Create The IBM Watson IOT Platform And A Device

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Step 1: Creating Device

The screenshot shows the 'Device Drilldown - 1915001' page in the IBM Watson IoT Platform. The page has a dark blue header with the platform name and a user profile. A left sidebar contains navigation icons. The main content area is divided into two sections. The top section, 'Device Credentials', contains a table with the following information:

Organization ID	egd1of
Device Type	Abika
Device ID	1915001
Authentication Method	use-token-auth
Authentication Token	3wsv+8A(t?Q?hBkw3N

Below the table is a warning icon and text: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' A link 'Find out how to add these credentials to your device' is also present. The bottom section, 'Connection Information', shows the 'Device ID' as '1915001'.

Step 2: Creating Device Events:

IBM Watson IoT Platform

Search by Device ID

Device ID	Status	Device Type	Class ID
1915001	Disconnected	Abika	Device

Identity | **Device Information** | **Recent Events** | **State** | **Logs**

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"temperature":23,"humidity":34}	json	a few seconds ago
event_1	{"temperature":18,"humidity":91}	json	a few seconds ago
event_1	{"temperature":32,"humidity":71}	json	a few seconds ago
event_1	{"temperature":46,"humidity":90}	json	a few seconds ago
event_1	{"temperature":41,"humidity":39}	json	a few seconds ago

Simulations | Import/Export simulation

1/50 Simulations Running | + New Simulation

Device Type: Abika | 1 Event | [Toggle] | [Delete]

1 Device

1915001

1 x | Create Simulated Device | Use Registered Device

17 events sent | 645 bytes sent

Step 3: Creating Space in IOT Watson Platform

IBM Cloud

Search resources and products...

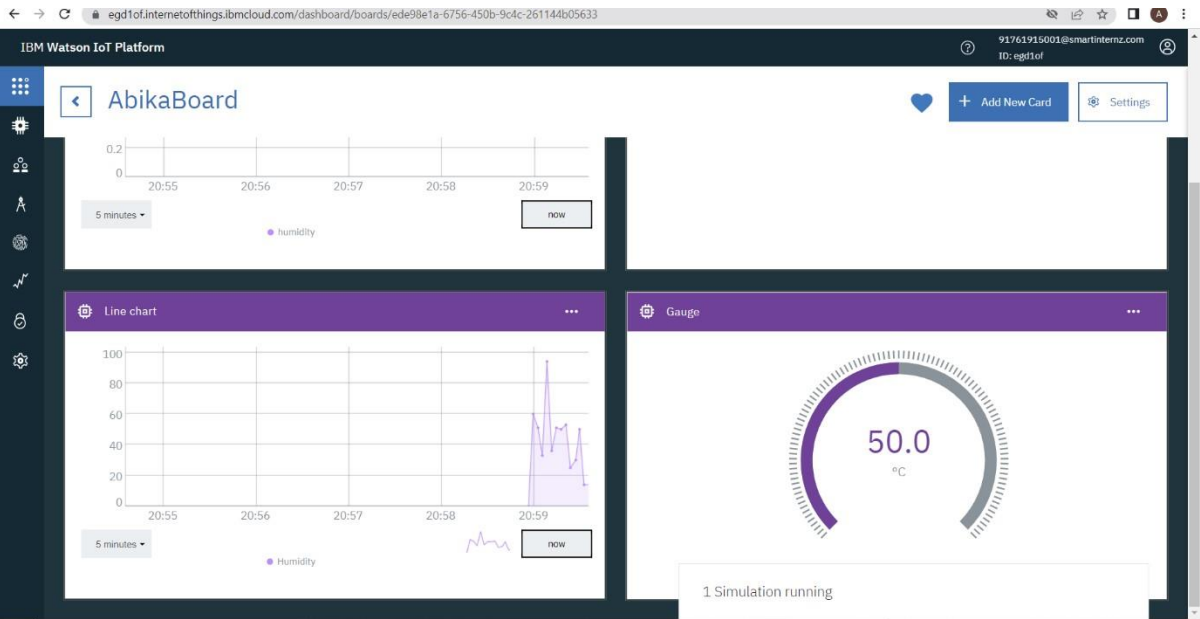
Cloud Foundry Orgs

IBM Cloud Foundry Public is being deprecated. Please see full details.

Name	Date Created	Spaces	Roles	Actions
ACGCET	11/7/2022	1	Manager	[Actions]

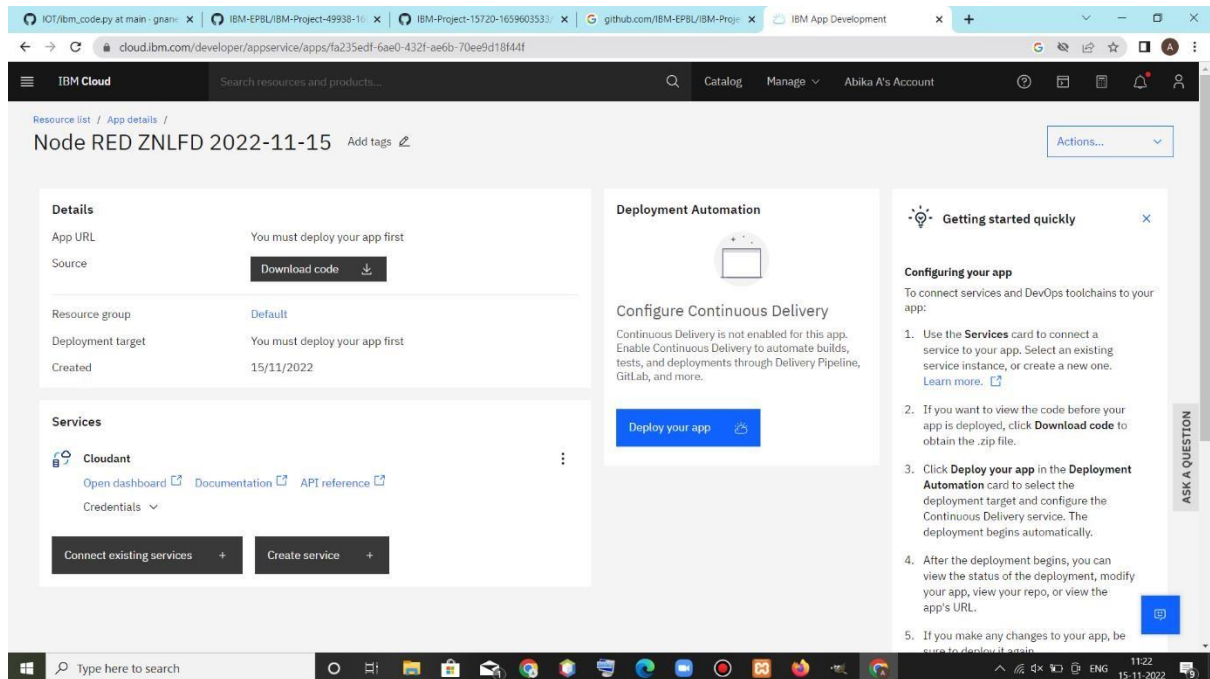
[Create] [Refresh]

Step 4: Creating Boards:

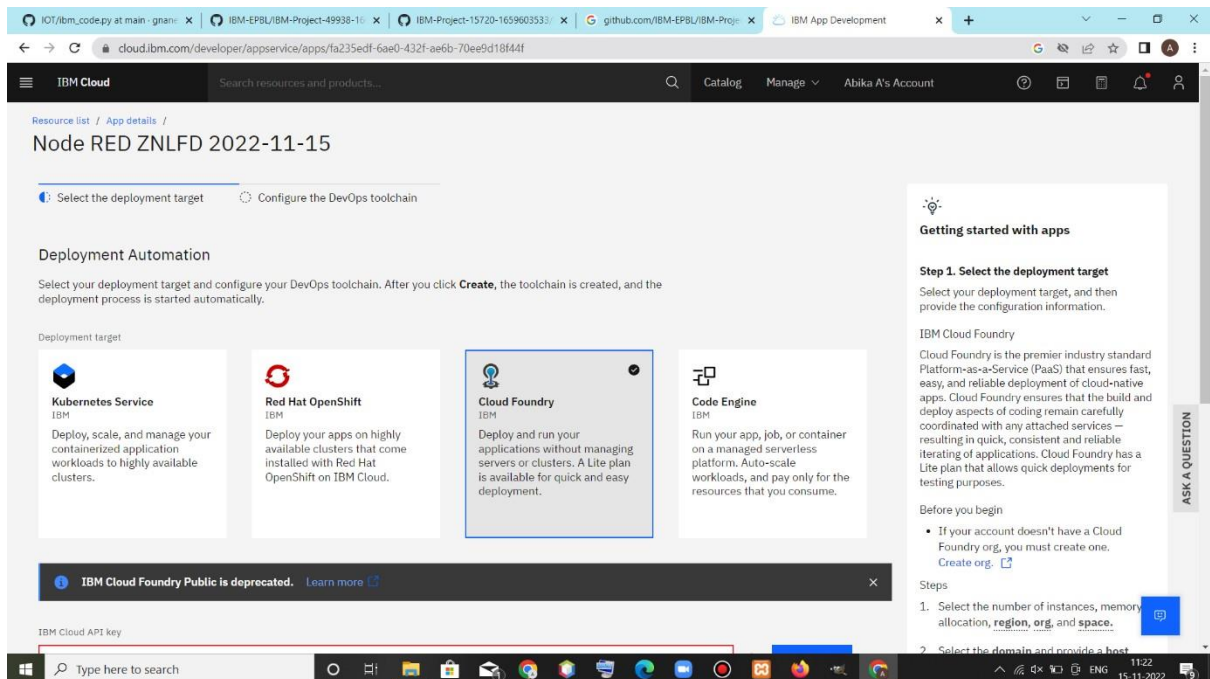


Create Node-RED Service

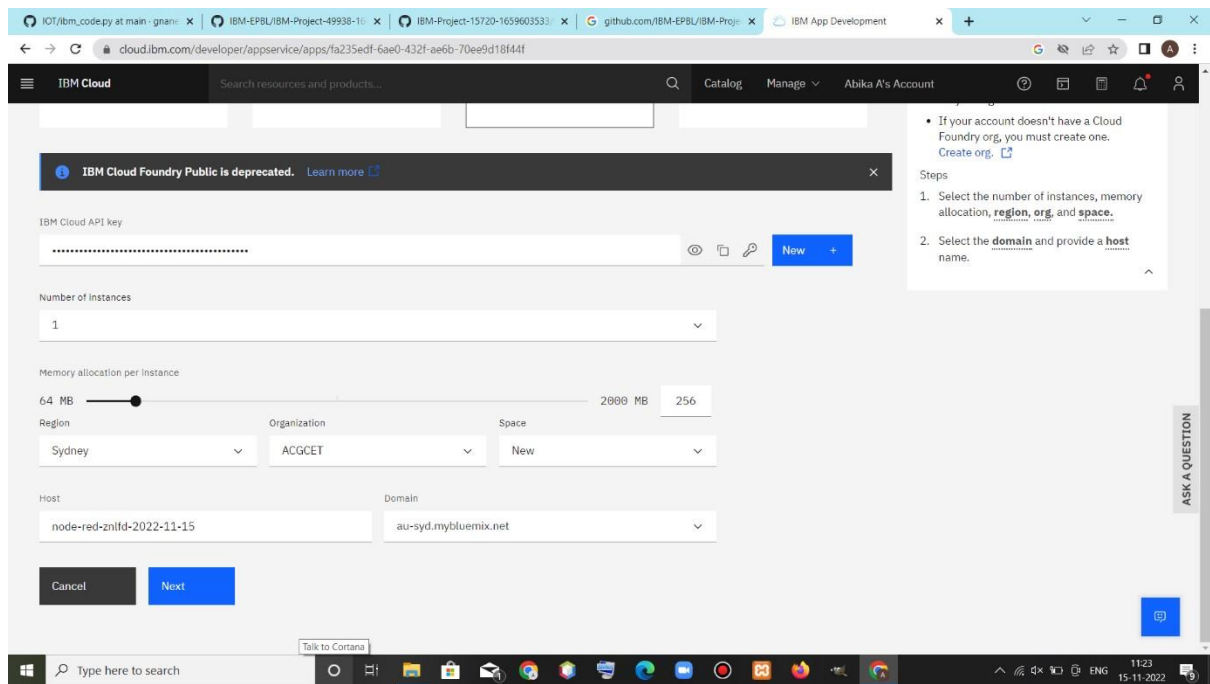
Step 1: Open the Node-red App



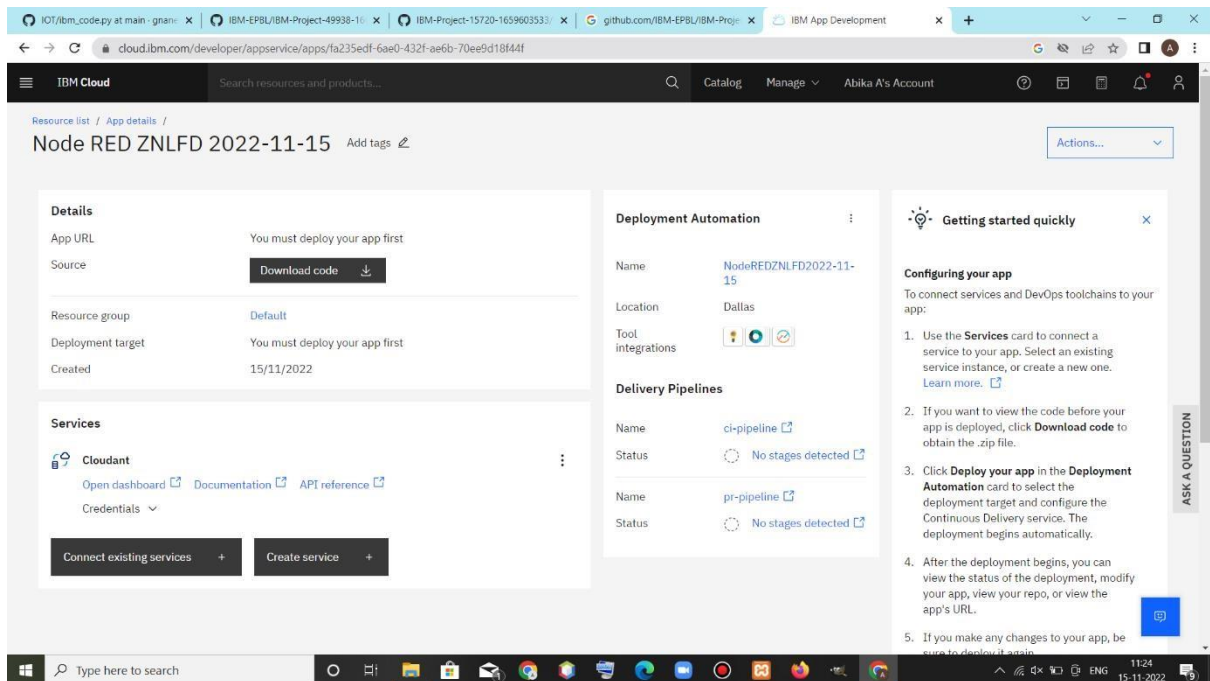
Step 2: Choose the cloud foundry option



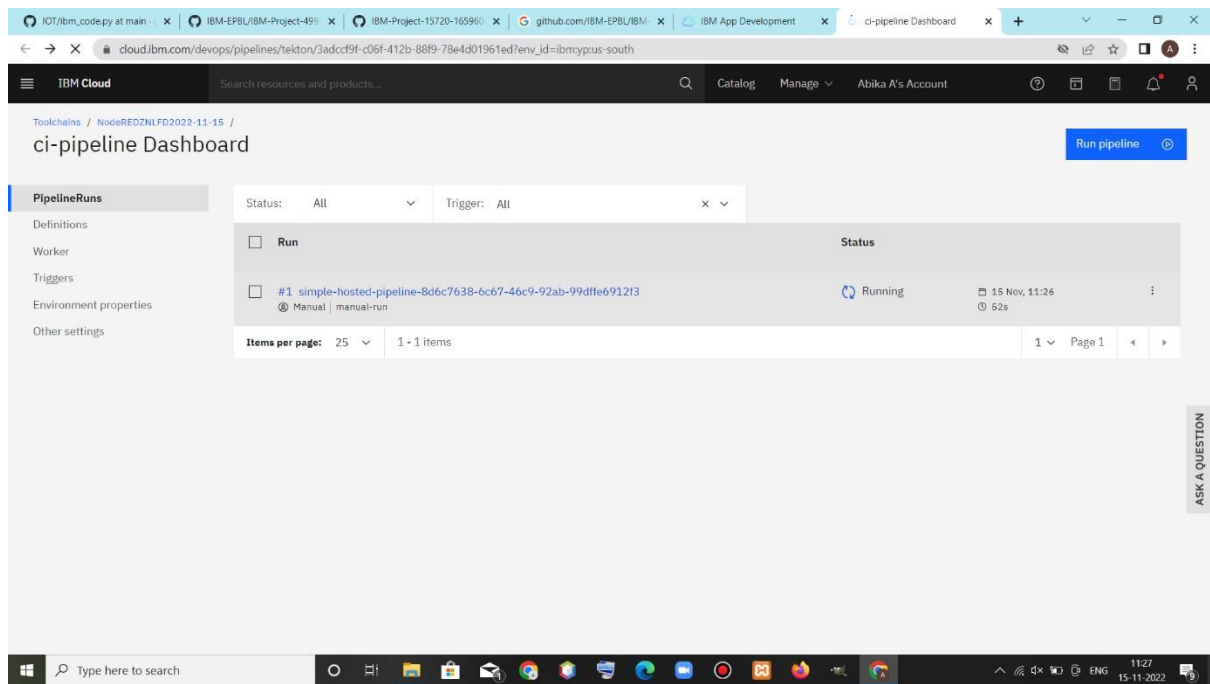
Step 3: Fill the necessary credentials



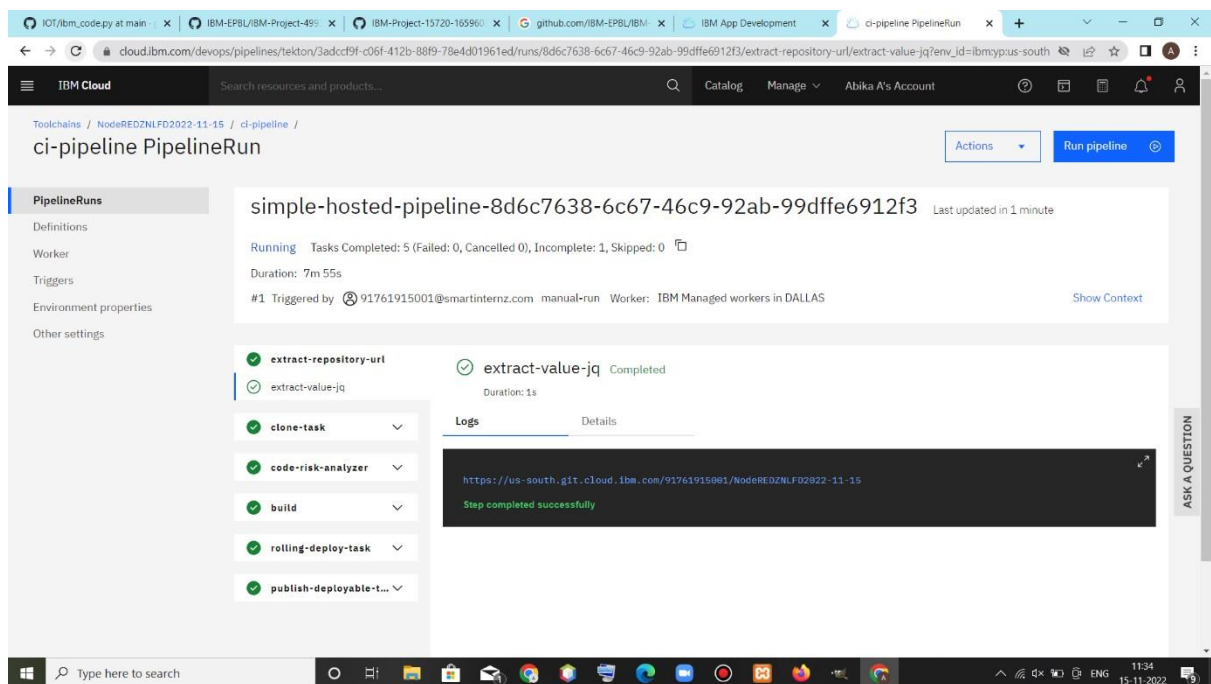
Step 4: View the details



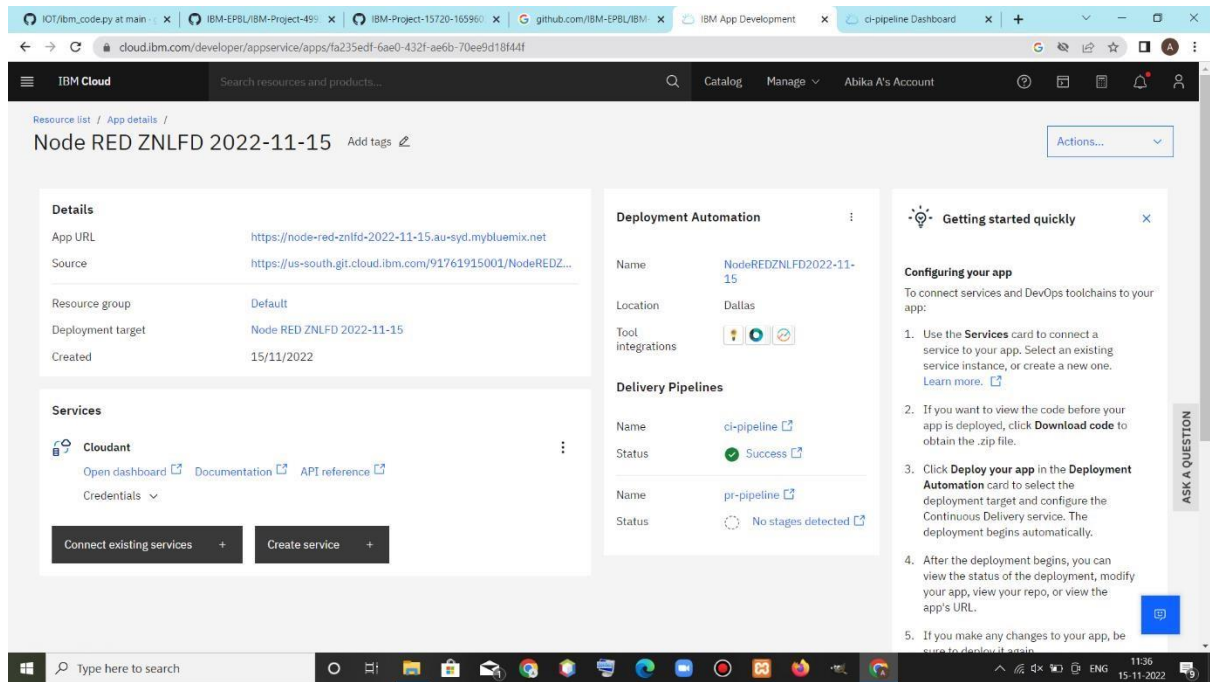
Step 5: Open ci-pipeline Dashboard



Step 6: Get all the packages run



Step 7: Get the Node-Red App URL

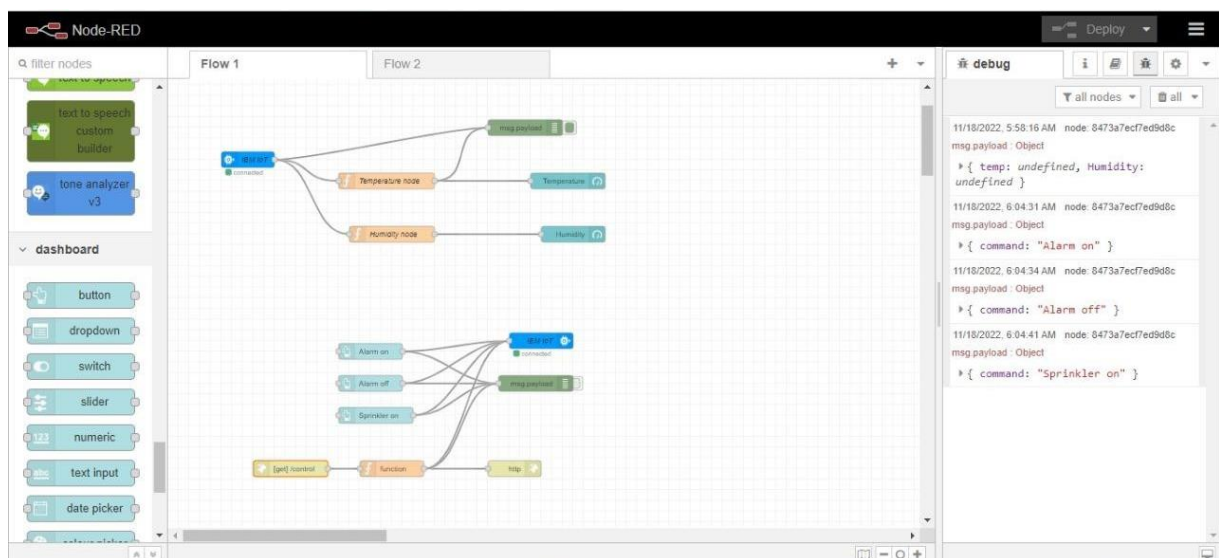
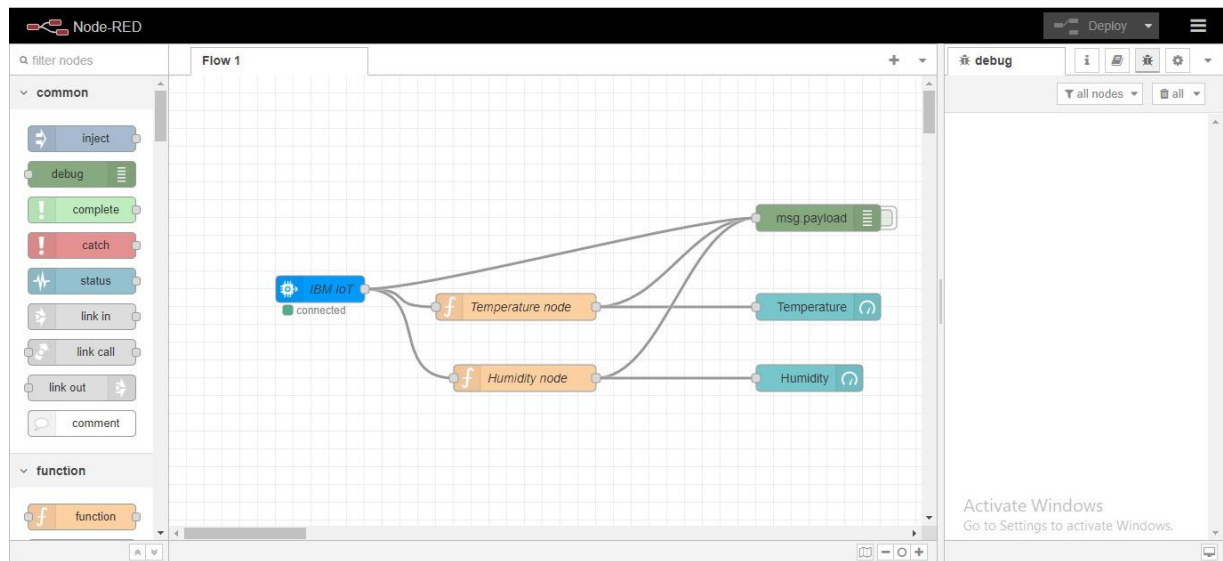


Step 8 : Install node red and open node red in command prompt

```
Microsoft Windows [Version 10.0.19045.2130]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\user>node-red
```

Activate Windows
Go to Settings to activate Windows.

Step 9: Create the node Red application by using the necessary API keys.



Step 9: Output from Node red

