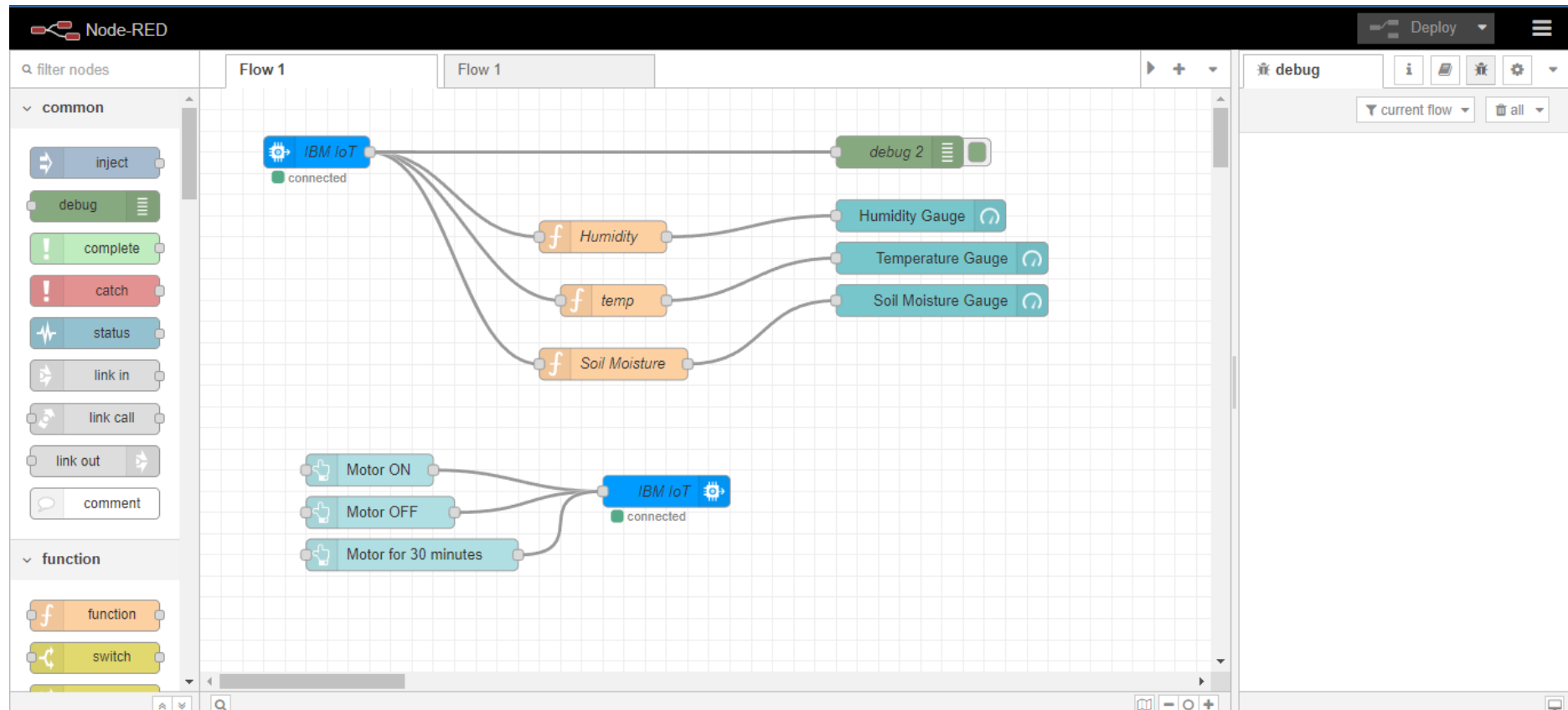


## **Create The IBM Watson IoT Platform And A Device**

<b>Project Title</b>	SmartFarmer – IoT Enabled Smart Farming Application
<b>Team ID</b>	PNT2022TMID28579
<b>Content</b>	Node-RED

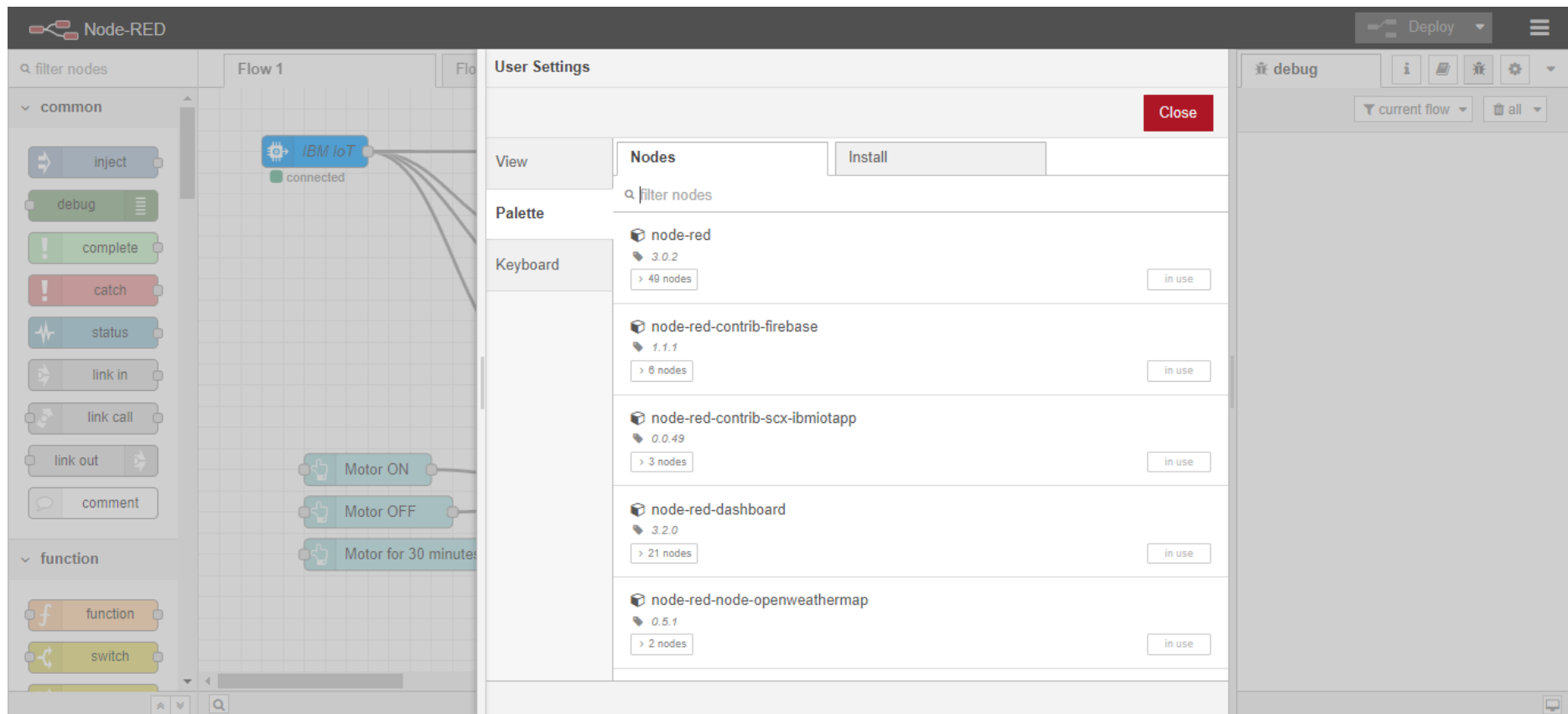
## STEP 1:

Login into IBM Cloud and Open your node-red app.



## STEP 2:

For IBM Cloud connection you need certain nodes which can be installed by going to Manage Palette and then install required nodes.



## STEP 3:

Now you can connect your cloud by entering API Credentials and enter device details.

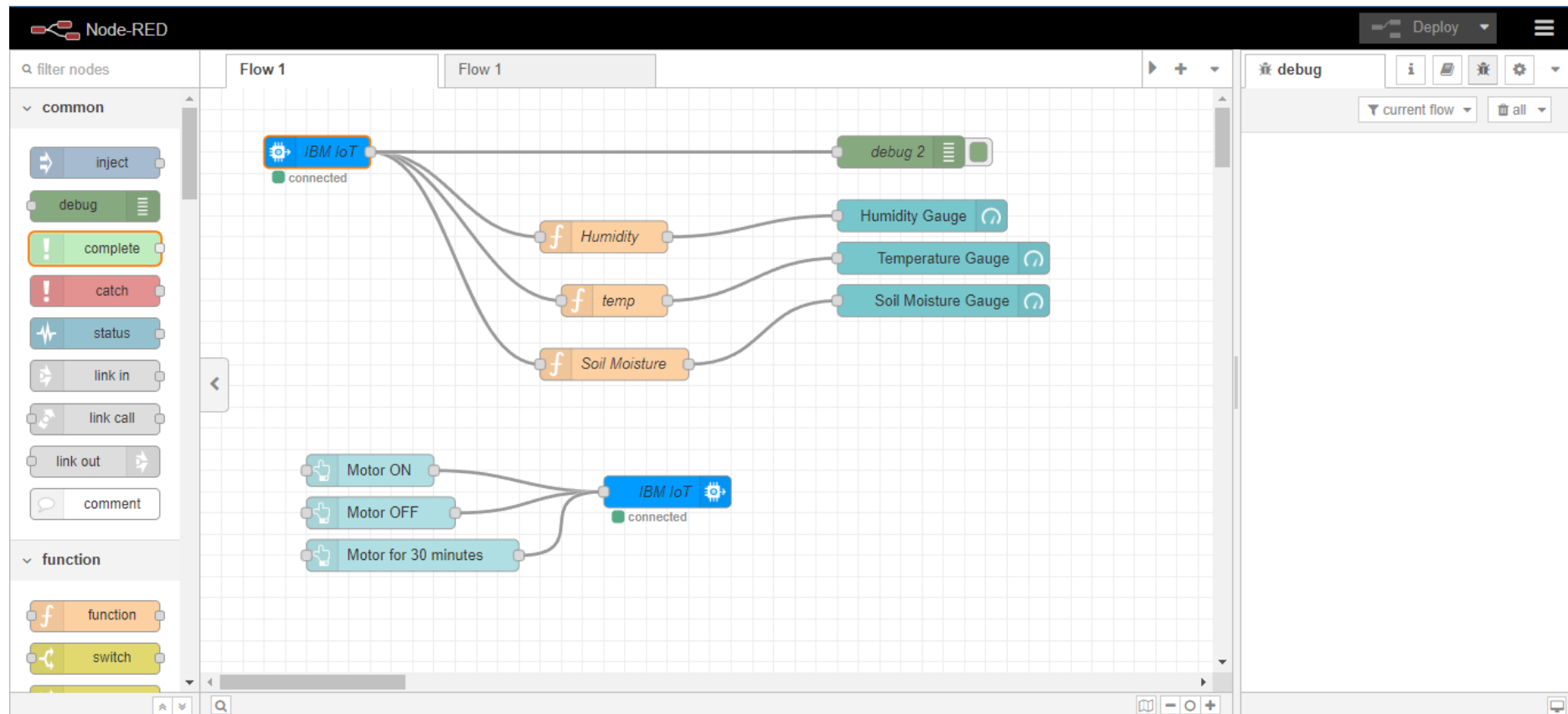
The screenshot displays the Node-RED web interface. On the left, the 'common' node palette is visible, containing nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. Below it, the 'function' palette shows 'function' and 'switch' nodes. The main workspace, labeled 'Flow 1', contains a blue 'IBM IoT' node (status: connected) which is connected to three function nodes: 'Humidity', 'temp', and 'Soil Moisture'. Below these, there are three trigger nodes: 'Motor ON', 'Motor OFF', and 'Motor for 30 minutes', all connected to another 'IBM IoT' node (status: connected). On the right, the 'Edit ibmiot in node' configuration panel is open. It includes a 'Delete' button, 'Cancel', and 'Done' buttons. The 'Properties' section lists the following settings:

- Authentication: API Key
- API Key: Test
- Input Type: Device Event
- Device Type: ☐ All or Testing
- Device Id: ☒ All or device id e.g. ab12cd231a21
- Event: ☒ All or +
- Format: ☐ All or json
- QoS: 0
- Name: IBM IoT
- Service: registered

At the bottom of the configuration panel, there is an 'Enabled' checkbox which is currently unchecked.

## STEP 4:

Create your flow by drag and drop the elements.



## STEP 5:

You can see web ui by adding ui after your url.

