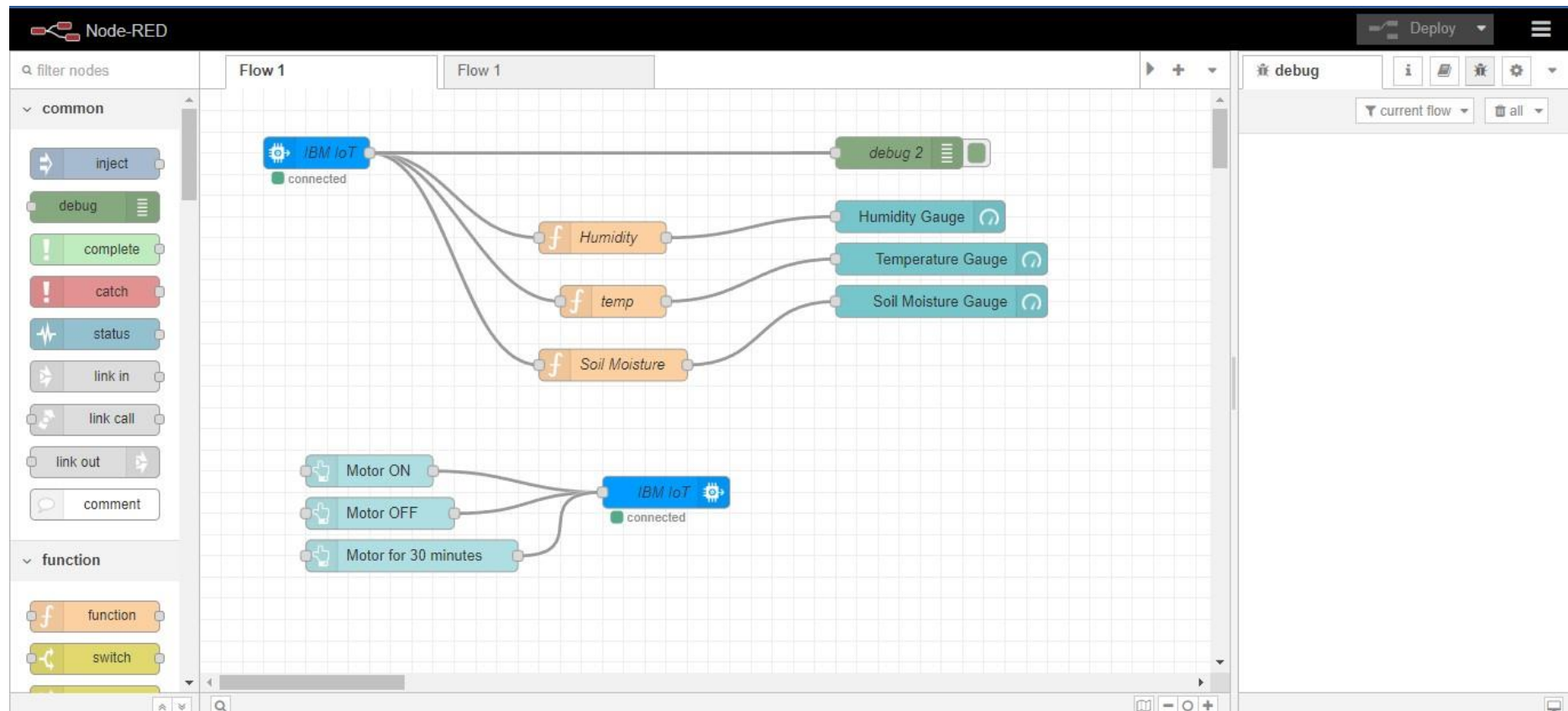


Create The IBM Watson IoT Platform And A Device

Project Title	SmartFarmer – IoT Enabled Smart Farming Application
Team ID	PNT2022TMID22052
Content	Node-RED

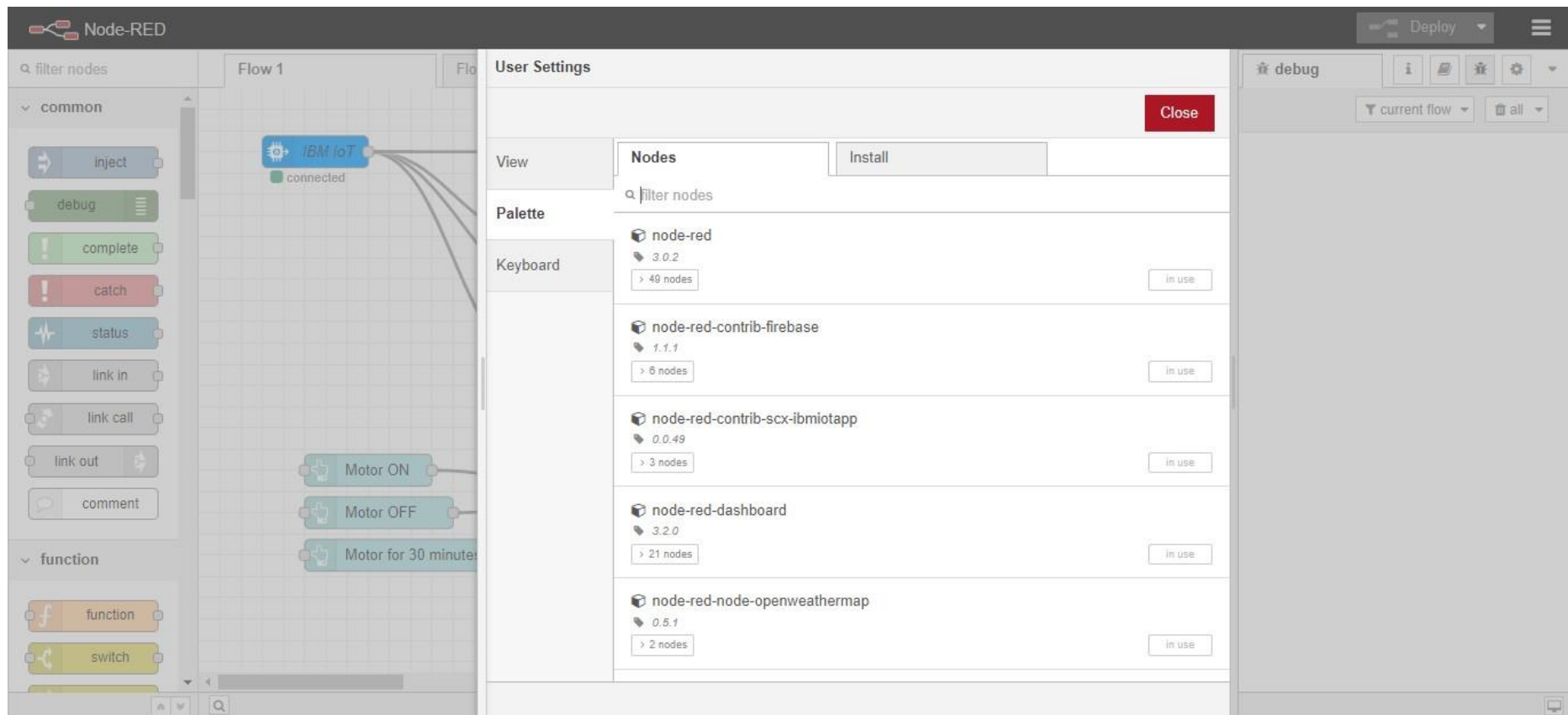
STEP 1:

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.

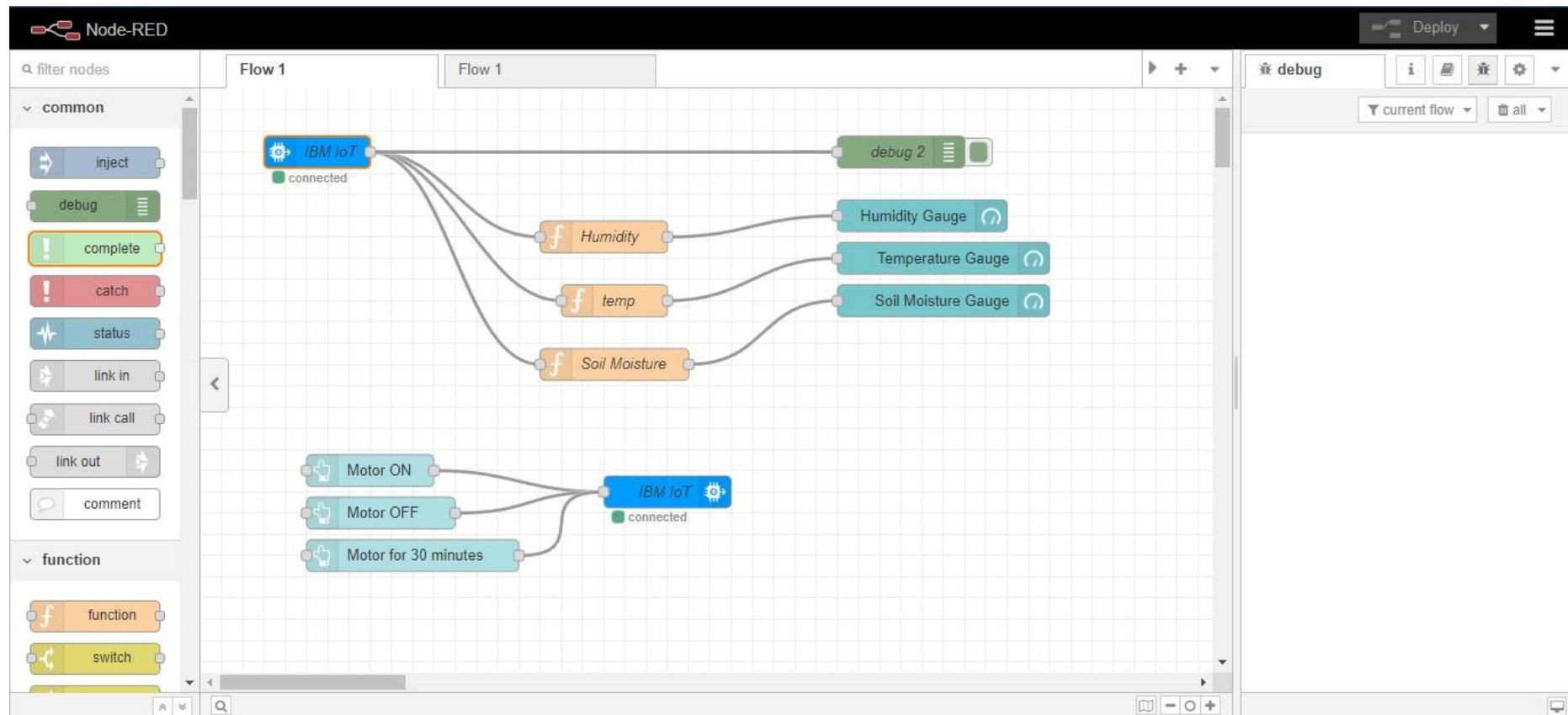
The screenshot displays the Node-RED web interface. On the left, the 'common' nodes palette is visible, including 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' nodes palette is also partially visible. The main workspace shows a flow named 'Flow 1' with an 'IBM IoT' node (labeled 'connected') connected to three function nodes: 'Humidity', 'temp', and 'Soil Moisture'. Below these, there are three more function nodes: 'Motor ON', 'Motor OFF', and 'Motor for 30 minutes', which are connected to another 'IBM IoT' node (labeled 'connected'). On the right, the 'Edit ibmiot in node' dialog is open, showing the following configuration:

- 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 dialog, there is a radio button for 'Enabled'.

STEP 4:

Create your flow by drag and drop the elements.



STEP 5:

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

