Project Name: Analyze IoT sensor data with machine learning

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Module: Part 3: Application Building and final deployment

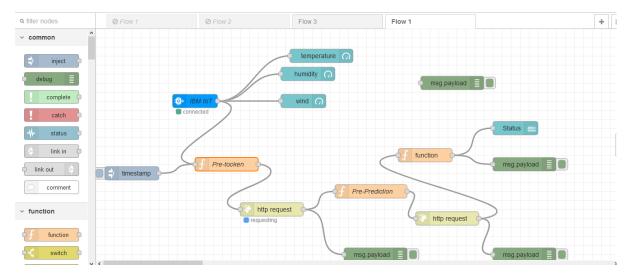
Sub module: Creating Node-RED Service and Stream the IoT data on to Node-RED

- 1. In Cloud Foundry App click on node red.
- 2. Click on visit app url in node red tab.
- 3. Go to node red page.
- 4. Click on node red flow editor.
- 5. Click on new flow.
- 6. Disable previous flows and create new flow.
- 7. Click on import and import Analysis IoT file.
- 8. Click on IBM Cloud Dashboard and click access IAM.
- 9. Click on API key.
- 10. Create new API key for IBM cloud.
- 11. Copy IBM CLOUD API key.
- 12. Click on pre token function on node red.
- 13. Replace API key with copied API key.

Sub module: give these sensor data as inputs to model built

- 1. Update Analysis IoT model and change values for Temp, wind, and humidity and also update API key, device key and Device ID in analysis IoT Jason file.
- 2. Update output file also in status node.
- **3.** Connect output of IBM IoT node to the pre token node.

Node Red schematic



Sub module: Display sensor information and prediction Ui

Output: Real time prediction

