

Smart Farmer-IOT Enabled Smart Farming Application

Project Development Phase

Sprint Delivery - 2

| | |
|--------------------------|--|
| Date | 14 November 2022 |
| Team ID | PNT2022TMID33194 |
| Project Name | Smart Farmer-IOT Enabled Smart Farming Application |
| Leader Name | Geetha mai A G |
| Team Members Name | Jayasree M Hemadharshini SKalpana S Joicy I |

Software:

- Create device in the iot watson platform:

IBM Watson IoT Platform

950819106021@smartinternz.com
ID: 5jveu7

Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

| Device ID | Status | Device Type | Class ID | Date Added |
|-----------|--------------|-------------|----------|-------------------|
| 123456 | Disconnected | abcdef | Device | 19 Nov 2022 07:14 |

Identity Device Information Recent Events State Logs

Device ID: 123456
Device Type: abcdef
Date Added: 19 Nov 2022 07:14
Added By: 950819106021@smartinternz.com
Connection Status: Disconnected
Last Connected: 19 Nov 2022 20:11
Client Address: 50.31.197.64 Insecure
Duration: a few seconds
Data Transferred: 377 B

1 Simulation running

IBM Watson IoT Platform

950819106021@smartinternz.com
ID: 5jveu7

Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

| Device ID | Status | Device Type | Class ID | Date Added |
|-----------|--------------|-------------|----------|-------------------|
| 123456 | Disconnected | abcdef | Device | 19 Nov 2022 07:14 |

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 | {"randomNumber":95,"temp":92,"Humid":64} | json | a few seconds ago |
| event_1 | {"randomNumber":46,"temp":94,"Humid":70} | json | a minute ago |
| event_1 | {"randomNumber":14,"temp":109,"Humid":90} | json | 2 minutes ago |
| event_1 | {"randomNumber":21,"temp":105,"Humid":63} | json | 3 minutes ago |
| event_1 | {"randomNumber":56,"temp":92,"Humid":62} | json | 4 minutes ago |

1 Simulation running

- **Workflow for iot scenarios using local node red:**

node-red-humln-2022-11-19.eu-gb.mybluemix.net/red/#flow/dc53f202c9cc38dd

Node-RED

Flow 1

Flow 2

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function

Flow 1 nodes:

- IBM IoT (connected)
- Temp (function)
- Humid (function)
- Motor ON
- Motor OFF
- MIT APP

Flow 2 nodes:

- msg payload
- Temp (function)
- Humid (function)
- IBM IoT (connected)
- msg payload
- mit (function)
- http

debug

11/19/2022, 8:51:27 PM node: f2f2649a.0d0d98
iot-2?type/abcode/id/123456/ev/evnt_1/fmt/json :
msg.payload : number
106

11/19/2022, 8:51:28 PM node: f2f2649a.0d0d98
iot-2?type/abcode/id/123456/ev/evnt_1/fmt/json :
msg.payload : number
76

11/19/2022, 8:51:40 PM node: f2f2649a.0d0d98
iot-2?type/abcode/id/123456/ev/evnt_1/fmt/json :
msg.payload : Object
{ randomNumber: 51, temp: 91,
Humid: 96 }

11/19/2022, 8:51:41 PM node: f2f2649a.0d0d98
iot-2?type/abcode/id/123456/ev/evnt_1/fmt/json :
msg.payload : number
91

11/19/2022, 8:51:41 PM node: f2f2649a.0d0d98
iot-2?type/abcode/id/123456/ev/evnt_1/fmt/json :
msg.payload : number
96

Type here to search

28°C

08:52 PM
19-11-2022