

Smart Farmer-IOT Enabled Smart Farming Application

Project Development Phase

Sprint Delivery -2

Date	19 November 2022
Team ID	PNT2022TMID49973
Project Name	Smart Farmer-IOT Enabled Smart Farming Application
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Team Members Name	Vijaya Sundar M Vishnuvarathan R Vishnu prasath S

Software:

1. Create device in the iot watson platform:

IBM Watson IoT Platform

922119106034@emartintemz.com
ID: 43a4b

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Add Device

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By
12345	Disconnected	NodeMCU	Device	Oct 31, 2022 3:32 PM		922119106034@emartintemz.com

Identity

Device Information

Recent Events

State

Logs

Device ID

Device Type

Date Added

Added By

Connection Status

12345

NodeMCU

Oct 31, 2022 3:32 PM

922119106034@emartintemz.com

Disconnected

Last Connected: Nov 5, 2022 6:59 PM

Client Address: 216.246.119.62 Insecure

Duration: 4 minutes

Data Transferred: 15.1 KB

Items per page: 50 | 1-1 of 1 item

1 of 1 page

Type here to search

25°C Cloudy

1891 AM

14-11-2022

The screenshot displays the IBM Watson IoT Platform web interface. At the top, the browser address bar shows the URL: `41acth.internetothings.ibmcloud.com/(S:ch2oemf)/devices/browse`. The page header includes the "IBM Watson IoT Platform" logo and a user profile for "922119106034@smartinternz.com" with the role "ID: 41acth".

The main navigation bar contains tabs for "Browse", "Action", "Device Types", and "Interfaces". An "Add Device" button is located on the right. The central panel shows a list of devices. The selected device, ID "12345", is in a "Disconnected" state and is a "NodeMCU" type. Below the device header, there are tabs for "Identity", "Device Information", "Recent Events", "State", and "Logs". The "Recent Events" tab is active, displaying a message: "The recent events listed show the live stream of data that is coming and going from this device."

A table of recent events is shown with the following data:

Event	Value	Format	Last Received
event_1	{"Temperature":75,"Humidity":19}	json	a few seconds ago
event_1	{"Temperature":74,"Humidity":20}	json	a few seconds ago
event_1	{"Temperature":43,"Humidity":43}	json	a few seconds ago
event_1	{"Temperature":50,"Humidity":84}	json	a few seconds ago
event_1	{"Temperature":95,"Humidity":42}	json	a few seconds ago

At the bottom left, the pagination shows "Items per page: 50" and "1-1 of 1 item". At the bottom right, a status indicator shows "1 Simulation running". The Windows taskbar at the very bottom includes the search bar and various application icons.

2. Workflow for iot scenarios using local node red:



