

Smart Farmer-IOT Enabled Smart Farming Application

Project Development Phase

Sprint Delivery -2

Date	14 November 2022
Team ID	PNT2022TMID11139
Project Name	Smart Farmer-IoT Enabled Smart Farming Application
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Software:

1. Create device in the iot watson platform:

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar labeled 'Search by Device ID' is present. The main content area shows a table with one device entry:

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

Below the table, the 'Identity' tab is selected, showing detailed device information:

- Device ID: 12345
- Device Type: NodeMCU
- Date Added: Oct 31, 2022 3:32 PM
- Added By: 922119106034@smartinternz.com
- Connection Status: Disconnected
- Last Connected: Nov 8, 2022 6:59 PM
- Client Address: 216.246.119.62 Insecure
- Duration: 4 minutes
- Data Transferred: 15.1 KB

The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and system tray information (25°C Cloudy, 10:01 AM, 14-11-2022).

The screenshot displays the IBM Watson IoT Platform interface. At the top, the browser address bar shows the URL: `41azth.internetofthings.ibmcloud.com/dashboard/devices/browse`. The platform header includes the name "IBM Watson IoT Platform" and a user profile for "922119106034@smartinternz.com" with ID "41azth".

The main navigation bar contains tabs: "Browse", "Action", "Device Types", and "Interfaces". An "Add Device" button is located on the right. The "Browse" tab is active, showing a list of devices. The selected device is "12345", which is "Disconnected" and a "NodeMCU" type. It was last seen on "Oct 31, 2022 3:32 PM" and is associated with the user "922119106034@smartinternz.com".

Below the device header, there are tabs for "Identity", "Device Information", "Recent Events", "State", and "Logs". The "Recent Events" tab is selected, showing a message: "The recent events listed show the live stream of data that is coming and going from this device."

A table displays the recent events:

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, it indicates "Items per page 50" and "1-1 of 1 item". At the bottom right, a status bar shows "1 Simulation running".

2. Workflow for iot scenarios using local node red:



