

SPRINT 1-REPORT

SMART FARMER-IoT BASED SMART FARMING APPILCATION

TEAM ID : PNT2022TMID31713

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Account in IBM cloud

The screenshot displays the IBM Cloud Dashboard interface. At the top, a browser window shows the URL `cloud.ibm.com`. The dashboard header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user account (Tini J Mercy's Account). The main content area is titled "Dashboard" and features a "For you" section with several service tiles:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services.
- Set up your IBM Cloud account**: Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources. (Getting started, 10 min)
- Get Started with Watson Studio**: Get started with using AI and Cloud Object Storage in 15 minutes. (Popular, 2 hr)
- Use Analytics Engine**: Develop and deploy advanced analytics applications in minutes on a scalable Hadoop and Spark environment. (Recommended, 2 min)
- Build a virtual machine**: Lift and shift your VMware workloads to the IBM Cloud. (Getting started, 7 min)
- IBM Push Notifications**: Send real-time and personalized notifications to mobile and web applications via a unified push service. (Recommended, 2 min)

Below the "For you" section, there are four more tiles:

- News**: All About IBM Storage's Price and Supply Guarantee. IBM Tech Now: November 7, 2022. (View all)
- Recent support cases**: (View all)
- Planned maintenance**: (View all)
- IBM Cloud status**: (View all)

The bottom of the image shows a Windows taskbar with the date and time (11-11-2022, 12:52) and the weather (26°C, Raining now).

Account in Watson IoT Platform

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A user profile dropdown shows the email 'tinijmercy2001@gmail.com' and ID 'f7g664'. A sidebar on the left contains icons for various platform features. The main content area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. One device is listed with ID 12345, status 'Disconnected', and type 'NodeMCU'. A modal window is open, displaying detailed information for this device, including its ID, type, date added, and connection status.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Disconnected	NodeMCU	Device	Nov 11, 2022 12:42 PM	

Identity	Device Information	Recent Events	State	Logs
Device ID	12345			
Device Type	NodeMCU			
Date Added	Nov 11, 2022 12:42 PM			
Added By	tinijmercy2001@gmail.com			
Connection Status	Disconnected			

Account in Node-Red

The screenshot displays the Node-RED web interface in a browser. The browser's address bar shows the URL `127.0.0.1:1880/#flow/584cce26b2098f8f`. The interface includes a left sidebar with a 'filter nodes' search bar and a list of nodes categorized under 'network', such as 'mqtt in', 'http in', and 'websocket in'. The main workspace, titled 'Flow 2' and 'Smart Farmer', contains a complex flow diagram. This flow starts with an 'all commands' node, which branches into three parallel function nodes ('function 1', 'function 2', and 'function 3'). These functions connect to various output nodes including 'gauge', 'chart', and 'debug'. A 'switch' node is also present, leading to an 'http request' node and another 'function 4' node. The flow concludes with 'button' nodes connected to an 'IBM IoT Device' (marked as 'disconnected') and 'debug 3' nodes. The right sidebar shows a 'config' panel with tabs for 'all' and 'unused', and a list of flows including 'Flow 1', 'Flow 2', and 'Smart Farmer'. The bottom of the image shows a Windows taskbar with the date and time set to 11:46 on 12-11-2022.

Creating device in Watson IoT Platform

IBM Watson IoT Platform

tinijmercy2001@gmail.com
ID: f7g664

Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☐

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	12345	● Connected	NodeMCU	Device	Nov 11, 2022 12:42 PM	

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Show all

28°C Rain off and on

ENG IN 12:21 12-11-2022