

CREATE IBM WATSON IoT PLATFORM AND A DEVICE

Date	1 November 2022
Team id	PNT2022TMID49483
Project Name	Smart Farming _ IoT Enabled Smart Farming

- IBM cloud account login:

The screenshot displays the IBM Cloud dashboard interface. At the top, there's a navigation bar with the IBM Cloud logo, a search icon, and links for 'Catalog', 'Manage', and the user's name 'Lakshya Pugazhenth's ...'. Below this, the 'Dashboard' section is visible, featuring a 'For you' area with several service tiles. The first tile is 'Build', which is highlighted in blue. Other tiles include 'Get Started with Watson Studio' (15 minutes), 'Build a web app with Watson Speech to Text' (15 minutes), 'Use Speech to Text' (2 minutes), and 'Use Text to Speech' (2 minutes). Each tile has a 'Popular' badge and a duration. At the bottom, there's a 'User access' section with a 'Manage users' link, a 'News' section with a 'View all' link, and a 'Planned maintenance' section with a 'View' link. The interface is clean and modern, with a focus on easy navigation and quick access to key services.

- Created a device on IoT:

IBM Watson IoT Platform

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 ☒

Device ID	Status	Device Type	Class ID	Date Added
24680	Disconnected	NodeMCU	Device	Oct 31, 2022 9:35 PM

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

- Device Simulation-Temperature and humidity:

IBM Watson IoT Platform

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Device Type: NodeMCU

Events 1

New event type +

Event type name event_1 Send

Schedule

20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "Temperature": random(0, 100)
2   "Humidity": random(0, 100)
3 }
4
```

Upload a CSV file

Cancel Save

Service Details - IBM Cloud

IBM Watson IoT Platform

0lz4tn.internetofthings.ibmcloud.com/dashboard/devices/browse

laksyapugazh86@gmail.com
ID: 0lz4tn

Browse

Action

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Device Simulator

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IBM Watson IoT Platform

0lz4tn.internetofthings.ibmcloud.com/dashboard/devices/browse

laksyapugazh86@gmail.com
ID: 0lz4tn

Browse

Action

Device Types

Interfaces

Add Device

24680

Disconnected

NodeMCU

Device

Oct 31, 2022 9:35 PM

→

...

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	{"Temperature":23,"Humidity":97}	json	a few seconds ago
event_1	{"Temperature":89,"Humidity":46}	json	a few seconds ago
event_1	{"Temperature":69,"Humidity":45}	json	a few seconds ago
event_1	{"Temperature":48,"Humidity":78}	json	a few seconds ago
event_1	{"Temperature":50,"Humidity":52}	json	a few seconds ago

1 Simulation running

● Creating new board:

