

TEAM ID	PNT2022TMID40922
TITLE	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT

IBM Watson IoT Platform and Device

- It is powerful web dashboard Flexible, scalable and easy to use.
- We provide a clean and simple UI where you can simply and easily add and manage your devices, control access to your IoT service, and monitor your usage. See at a glance the things you are interested in.
- It can do some:

Device Management

- Using our device management service, you can perform device actions like rebooting or updating firmware, receive device diagnostics and metadata, or perform bulk device addition and removal.

Responsive, scalable connectivity

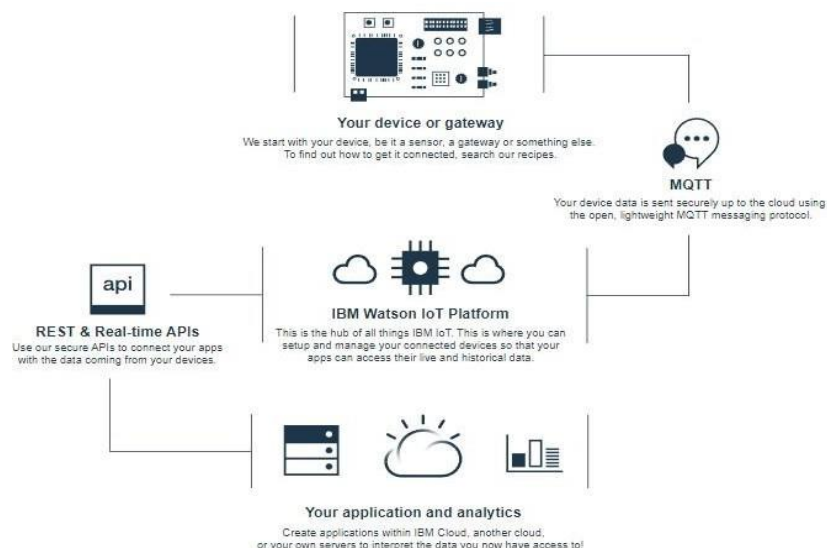
- We use the industry-standard MQTT protocol (OASIS ratified) to connect devices and applications. MQTT is designed for efficient exchange of data to and from devices in real-time.

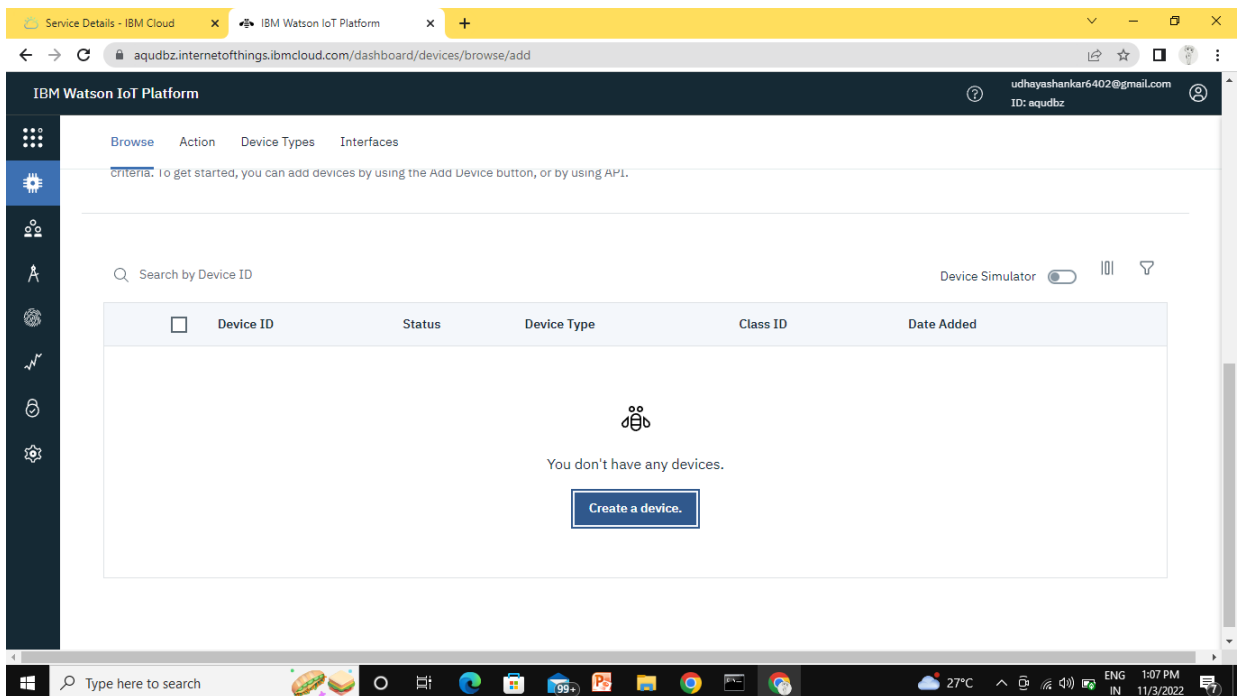
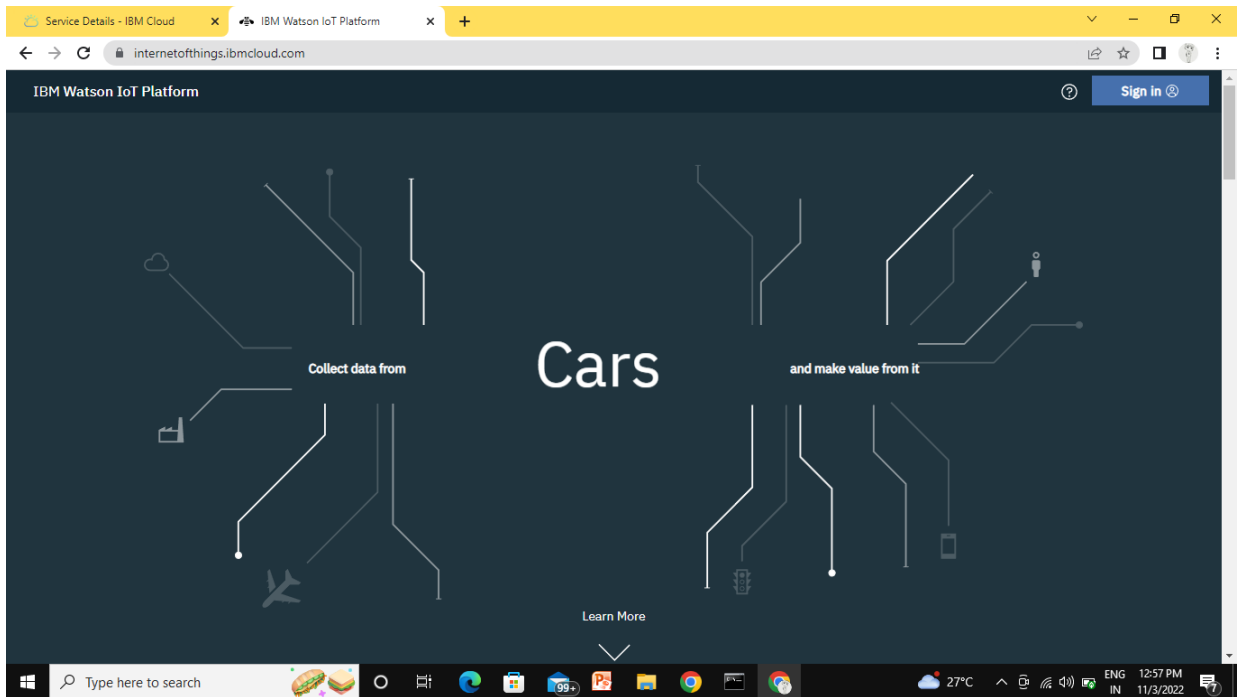
Secure Communication

- Securely received data from and send commands to your devices. Do this using MQTT with TLS to secure all communication between your devices and our service.

Data lifecycle management

- As well as having access to real-time data coming from your devices, you can opt to store data for a period of your choice, allowing you to have access to historical and real-time data for your devices.





Service Details - IBM Cloud x IBM Watson IoT Platform x +

aqudbz.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NodeMCU:12345?returnTo=/devices/browse

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udhayashankar6402@gmail.com ID: aqudbz

← Back

Device Drilldown - 12345

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	aqudbz
Device Type	NodeMCU
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	EONBQ6-UN@GTJ&zH-Q

⚠ Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)

Type here to search

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Service Details - IBM Cloud x IBM Watson IoT Platform x +

aqudbz.internetofthings.ibmcloud.com/dashboard/devices/browse/add

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udhayashankar6402@gmail.com ID: aqudbz

Browse Action Device Types Interfaces

Add Device

Identity Device Information Security Summary

Select a device type for the device that you are adding and give the device a unique ID.

Device Type Select or create a device type...

Device ID Enter Device ID

Cancel Next

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Service Details - IBM Cloud x IBM Watson IoT Platform x +

← → ↻ aqdbz.internetofthings.ibmcloud.com/dashboard/devices/browse

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udhayashankar6402@gmail.com
ID: aqdbz

Browse Action Device Types Interfaces

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":47,"temp":63,"hum":12}	json	a few seconds ago
event_1	{"randomNumber":47,"temp":84,"hum":14}	json	a few seconds ago
event_1	{"randomNumber":13,"temp":79,"hum":39}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

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Device Type: NodeMCU

Browse Action Device Types

Identity Device

The recent events listed

Event Value

event_1

event_1

event_1

Items per page 50 | 1-1 of 1 item

Event Payload

Event Name event_1

Time Received Nov 3, 2022 2:13 PM

```
1 {  
2   "randomNumber": 47,  
3   "temp": 63,  
4   "hum": 12  
5 }
```

New event type +

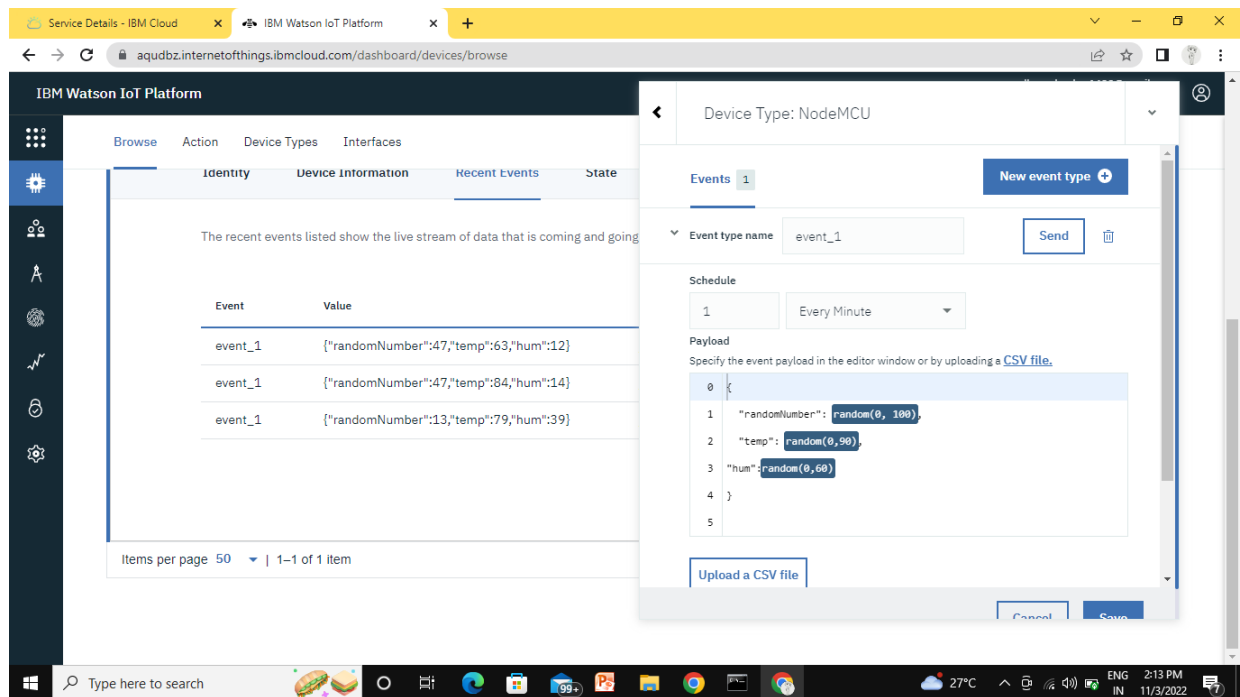
Send

Cancel Save

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Thus we created IBM Watson IoT Platform and Device.