CREATE IBM WATSON IOT PLATFORM AND DEVICE

Date:	8 NOVEMBER 2022
Team ID:	PNT2022TMID09849
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
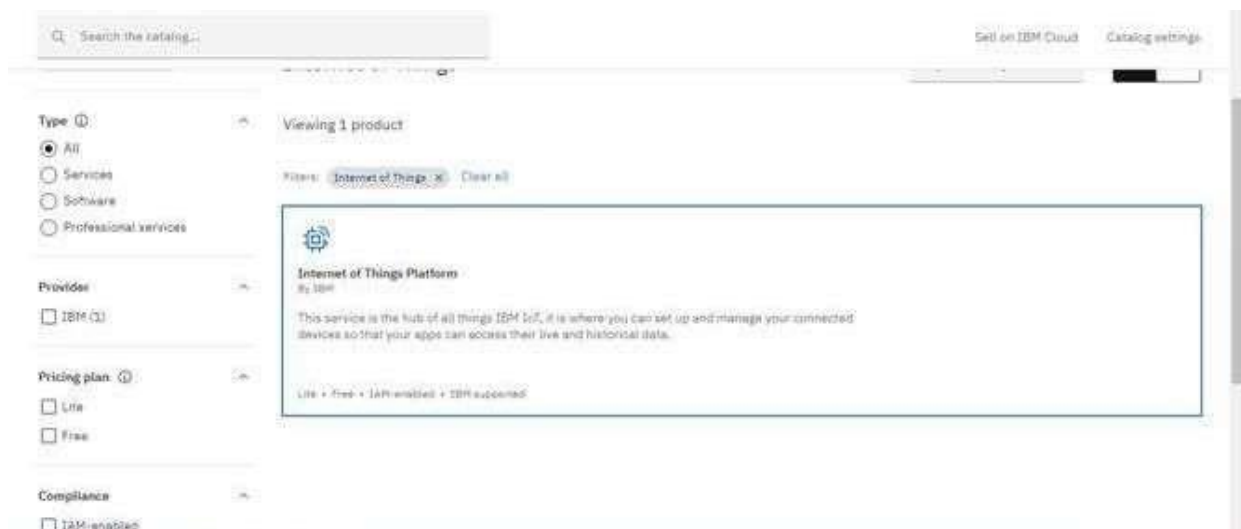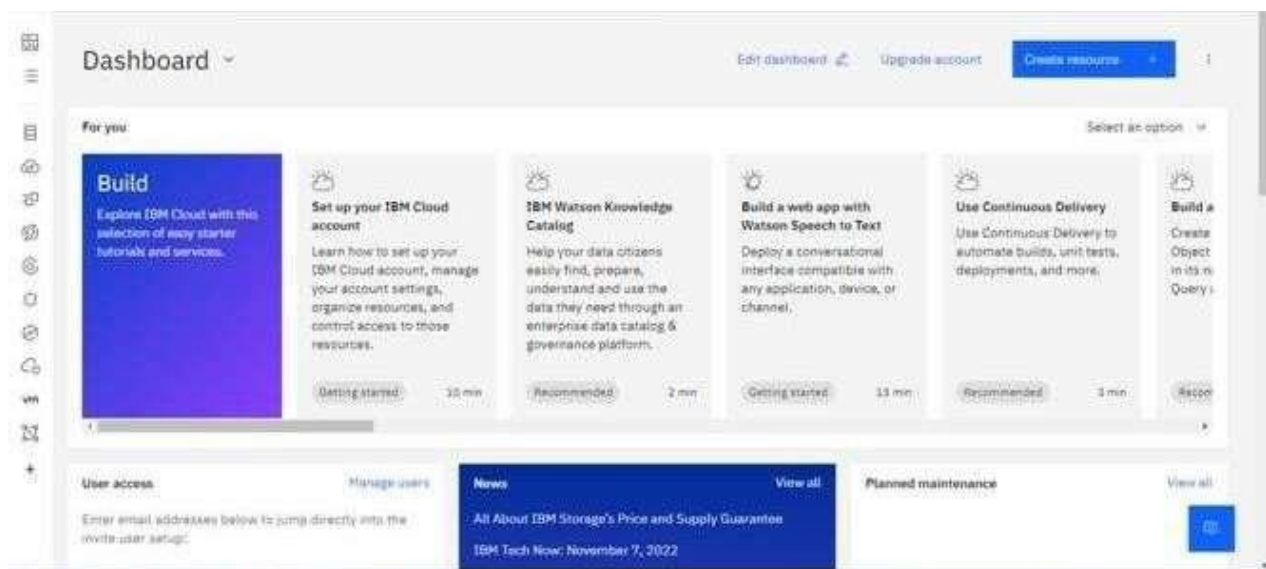
Resource list /

Internet of Things Platform-xl ● Active   Add tags ✎   Details   Actions... ⌄
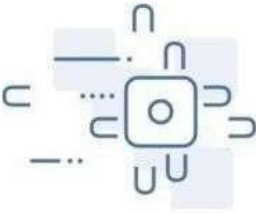
Manage
Plan
Connections

Let's get started with IBM Watson IoT Platform

Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.

Launch   Docs

Ready for the next level?
IBM Watson IoT Platform Journey

⊘ —————————— ○ —————————— ○
Lite   Non-Production   Production
The Lite service plan provides a lightweight   The Non-Production service plan is a full-   The Production service is a fully managed SaaS
development environment to get you started   featured, fully-integrated offering that enables   offering that enables you to manage and analyze

Collect data from   Equipment   and make value from it

Learn More
⌄

Cookie Preferences

Your boards   Public boards   + Create New Board

Your boards   Sort By   Recently changed ▾

PARTHI   ⓘ   RISK AND SECURITY   ⓘ
                            OVERVIEW

No cards   4 Cards   +
Owned by you   Owned by you

        🗑 ♥ ⚙   🗑 ♡ ⚙

Boards shared with you

Add Device

Identity ✓ ——— Device Information ✓ ——— Security ✓ ——— Summary ●

Verify that the following information is correct then select Finish

Device Type
TestDeviceType

Device ID
1234

View Metadata

Security Token
To be generated

Back   Finish

← Back

Device Drilldown - 1234

Device Credentials	**Device Credentials**
Connection Information	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.
Recent Events	
State	
Device Information	Organization ID ea7xfp
Metadata	Device Type TestDeviceType
Diagnostics	Device ID 1234
Connection Logs	Authentication Method use-token-auth
Device Actions	Authentication Token a18I+8uAqrHNKXxbo4

⚠ 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 ↗

← Back

Device Drilldown - 1234

Device Credentials	Device ID 1234
Connection Information	Device Type TestDeviceType
Recent Events	Date Added Nov 2, 2022 10:24 AM
State	Added By parthipalanivel22@psnacet.edu.in
Device Information	Connection Status Disconnected
Metadata	
Diagnostics	**Recent Events**
Connection Logs	The recent events listed show the live stream of data that is coming and going from this device.
Device Actions	

Event	Value		Format	Last Received

←

IBM Watson IoT Platform

General Settings
Here you can see and modify global organization information and locally enable experimental W...

PLATFORM

About

Identity

Experimental Features

Last Event Cache

Client Connection
State API

**DATA AND
DEVICES**

Custom Device
Management Packages

Device Simulator

Client Connection State API

The Client Connection State API provides client conn...
documentation.

Activate Client Connection State API ⬤✕

← Custom Device Management Packages

Device Type: TestDeviceType

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

Browse   Action   Device Types   Interfaces   Add Device ⊕

Delete 🗑   1 item selected   Cancel

	Device ID	Status	Device Type	Class ID	Date Added	
✓	1234	⚡ Disconnected	TestDeviceType	Device	Nov 2, 2022 10:24 AM	→ •••

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":37,"Humidity":52]	json	a few seconds ago
event_1	["temperature":65,"Humidity":36]	json	a few seconds ago
event_1	["temperature":57,"Humidity":8]	json	a few seconds ago
event_1	["temperature":17,"Humidity":65]	json	a few seconds ago

1 Simulation running

⊗

< ▨▨▨▨   **Create Card**   + Add New Card   ⚙ Settings

Card type
Select card type

Devices

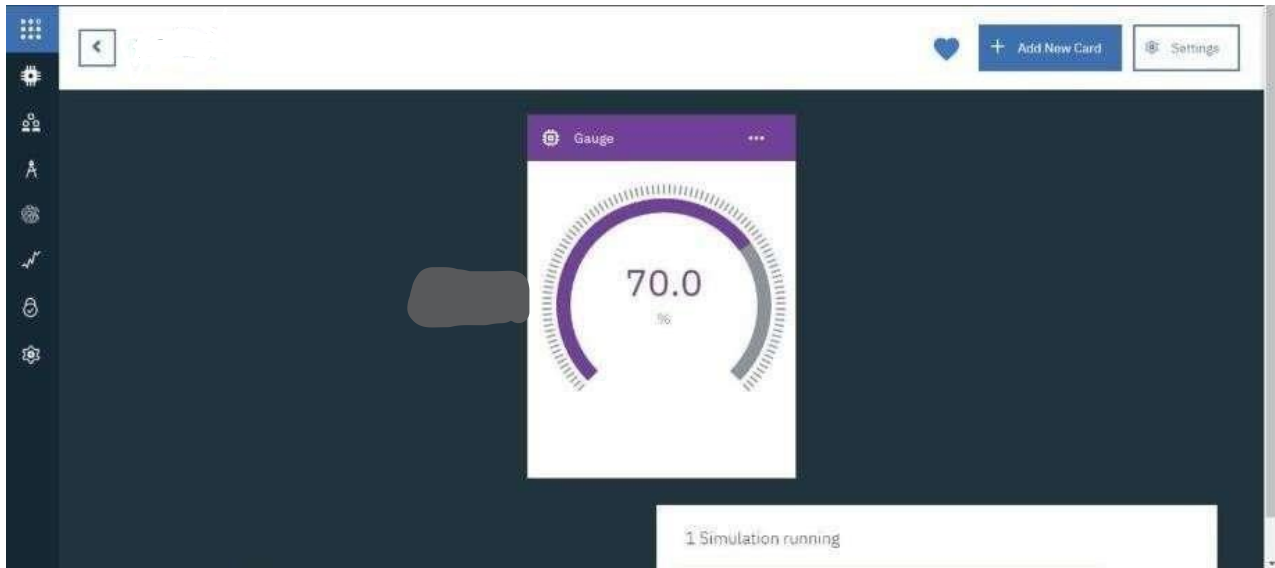|			
••• Generic visualisation	⌄∿ Line chart	▮▮ₒ Bar chart	◯ Donut chart
A Value	⋒ Gauge	🚦 Semaphore	≡ Device Properties
≡ All device properties	⬡ Device list	⚙ Device info	▯ Device map

Usage

RESULT:

An IBM Watson cloud for IoT and a device is created successfully.