

Create and Configure IBM Cloud Services

Create The IBM Watson IoT Platform And A Device

Date	1 November 2022
Team ID	PNT2022TMID21494
Project Name	Project – Gas leakage monitoring and alerting system for industries

The screenshot displays the IBM Cloud Dashboard. At the top, a dark navigation bar includes the 'IBM Cloud' logo, a search bar, and links for 'Catalog', 'Manage', and 'Gowtham K's Account'. Below this, the main dashboard area features a 'For you' section with a horizontal scroll of service cards. The first card is 'Build', followed by 'Build a web app with Watson Speech to Text', 'Get Started with Watson Studio', 'Build a Virtual Private Cloud (VPC)', 'IBM Watson Knowledge Catalog', and 'IBM Cloud Migration Services'. Each card includes a description, a 'Getting started' or 'Recommended' button, and a time estimate. At the bottom, there are four sections: 'News' (with a link to 'View all'), 'Recent support cases' (with a link to 'View all'), 'Planned maintenance' (with a link to 'View all'), and 'IBM Cloud status' (with a link to 'View all'). A blue chat bubble icon is visible in the bottom right corner.

Dashboard [Edit dashboard](#) [Upgrade account](#) [Create resource](#) +

For you [Select an option](#) ▾

Build

Explore IBM Cloud with this selection of easy starter tutorials and services.

Build a web app with Watson Speech to Text

Deploy a conversational interface compatible with any application, device, or channel.

Getting started 15 min

Get Started with Watson Studio

Get started with using AI and Cloud Object Storage in 15 minutes.

Popular 2 hr

Build a Virtual Private Cloud (VPC)

Upgrade to a paid account to create your own protected space in the IBM Cloud.

Getting started 7 min

IBM Watson Knowledge Catalog

Help your data citizens easily find, prepare, understand and use the data they need through an enterprise data catalog & governance platform.

Recommended 2 min

IBM Cloud Migration Services

Use IBM Cloud Migration Services to migrate workloads to a hybrid cloud with reduced risk and cost.

Recommended 5 min

News

IBM Named a Leader in Gartner Magic Quadrant for Full Life Cycle API Management

IBM to Introduce a New Incident Management

[View all](#)

Recent support cases

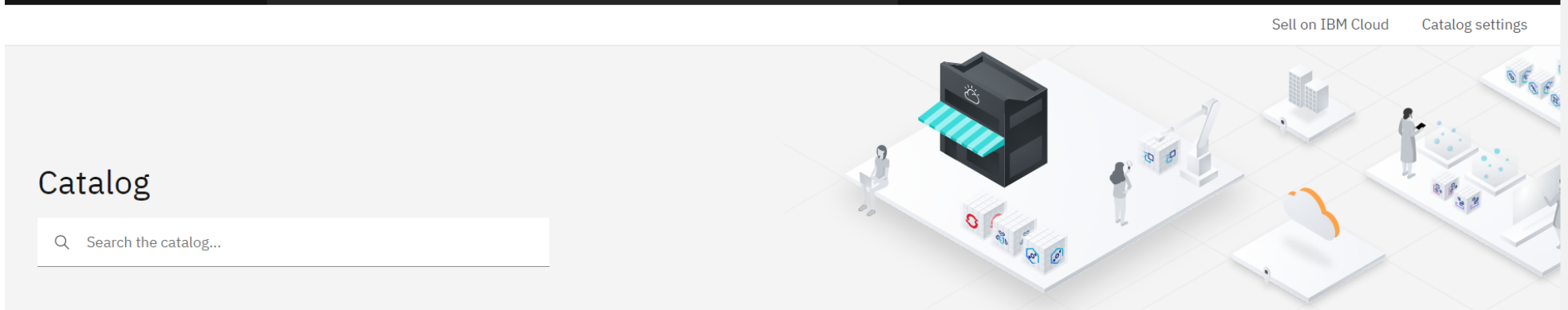
[View all](#)

Planned maintenance

[View all](#)

IBM Cloud status

[View all](#)




Category ^

- ☆ Recommended products (6)
- ≡ Compute (30)
- Containers (9)
- 🌐 Networking (29)
- 📁 Storage (19)
- 🔄 AI / Machine Learning (17)
- 📊 Analytics (10)
- 🔗 Blockchain (1)


Viewing 206 products

Alphabetically ▾


Analytics Engine
By IBM


Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

Lite • Free • HIPAA Enabled • IAM-enabled •


AnonTech ViziVault Platform
By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

Lite • Free • HIPAA Enabled • IAM-enabled •


API Connect
By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises and on the cloud.



This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

About

Related links

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	<p>Includes up to 500 registered devices, and a maximum of 200 MB of each data metric</p> <p>Maximum of 500 registered devices</p> <p>Maximum of 500 application bindings</p> <p>Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed</p>	Free

Resource group: Default

Add to estimate

[Resource list](#) /

Internet of Things Platform-h7

✓ Active

Add tags [🔗](#)

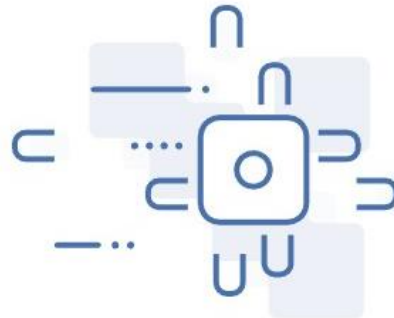
[Details](#)

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

The Lite service plan provides a lightweight development environment to get you started



Non-Production

The Non-Production service plan is a full-featured, fully-integrated offering that enables

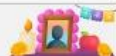


Production

The Production service is a fully managed SaaS offering that enables you to manage and analyze



Type here to search



28°C Cloudy



19:21
01-11-2022



Assets

Collect data from

and make value from it

Learn More

Cookie Preferences



Type here to search



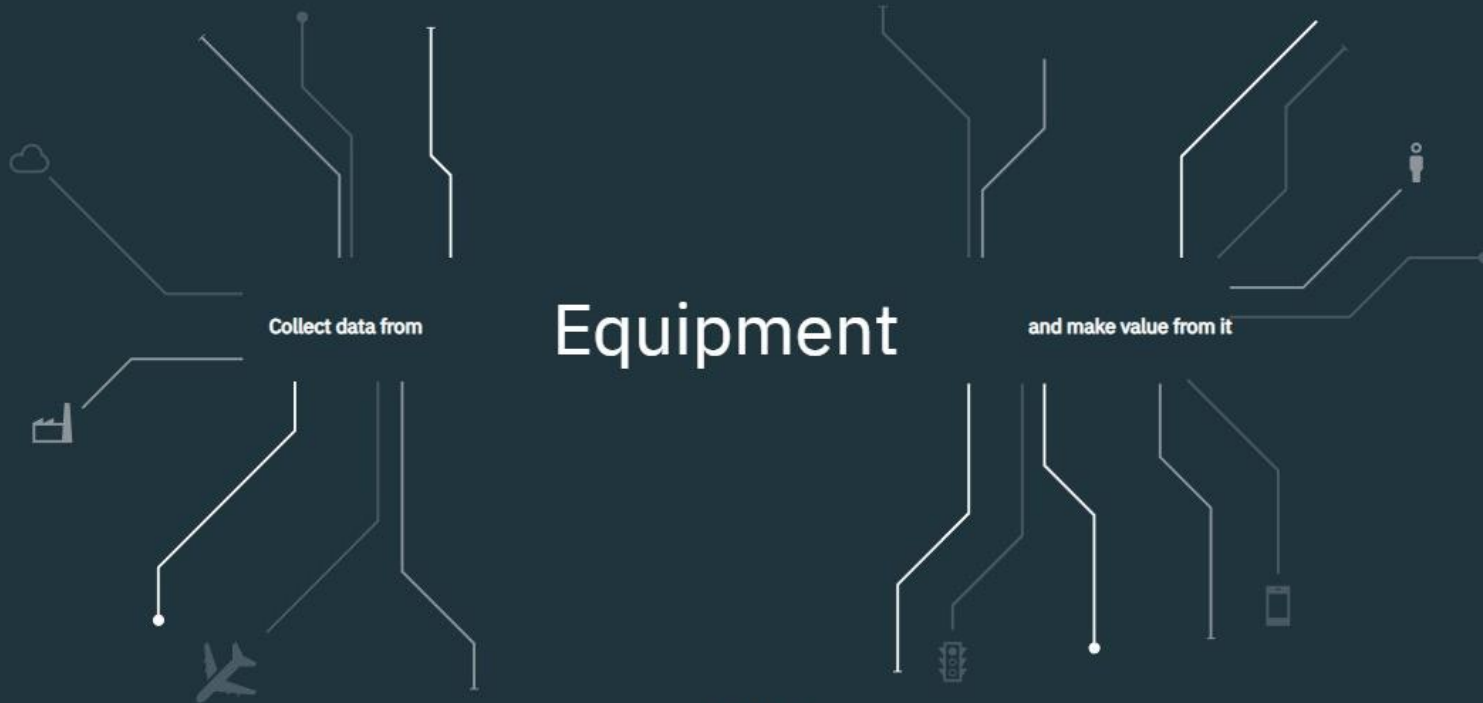
28°C Cloudy



ENG

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Equipment

Collect data from

and make value from it

Learn More



Type here to search



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0zi0vb.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform

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ID: 0zi0vb

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⚙️

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
<div><div>👤</div><div>You don't have any devices.</div><div>Create a device.</div></div>						

Add Device



Verify that the following information is correct then select Finish

Device Type
gasleakge

Device ID
12345

[View Metadata](#)

Security Token
To be generated

[Back](#)

Finish

←

→

↺

0zi0vb.internetofthings.ibmcloud.com/dashboard/devices/drilldown/gasleakge:12345?returnTo=/devices/browse

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📧 Gmail

📺 YouTube

🗺️ Maps

📖 CodeRed Courses [...]

📊 Data Structures & A...

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IBM Watson IoT Platform

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kgowtham1@student.tce.edu

ID: 0zi0vb

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🔒

⚙️

⚙️

← 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	0zi0vb
Device Type	gasleakge
Device ID	12345
Authentication Method	use-token-auth
Authentication Token	54K5h+CW6(RXFZVFGX

⚠️

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 ↗

0zi0vb.internetofthings.ibmcloud.com/dashboard/devices/browse

Gmail

YouTube

Maps

CodeRed Courses J...

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IBM Watson IoT Platform

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IBM Watson IoT Platform

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Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	12345	Disconnected	gasleakge	Device	Nov 18, 2022 11:11 PM	

Items per page 50

1 of 1 page

1

0zi0vb.internetofthings.ibmcloud.com/dashboard/devices/browse

GmailYouTubeMapsCodeRed Courses [Data Structures & A...GoogleCloudReady...

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Browse

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Browse Devices

All DevicesDiagnose

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Search by Device ID

	Device ID	Status	Device Type	Class ID	Date Added
>	12345	Disconnected	gasleakge	Device	Nov 16

Items per page 50 | 1-1 of 1 item

Device Type: gasleakge

Events 1

New event type +

Event type name event_1

Send

Schedule

1

Every Minute

Payload

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

0 {

1 "gassensor": random(0, 100)

2 }

3

Upload a CSV file

What functions can I apply?

CancelSave

12345	Disconnected	gasleakge	Device	Nov 18, 2022 11:11 PM	→ ...
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Identity	Device Information	Recent Events	State	Logs	×
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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	{"gassensor":51}	json	a few seconds ago
event_1	{"gassensor":83}	json	a minute ago
event_1	{"gassensor":21}	json	2 minutes ago

Items per page 50 | 1–1 of 1 item

1 of 1 page < 1 >

1 Simulation running