

CREATE AND CONFIGURE IBM CLOUD SERVICES

(IBM Watson & Node Red)

Date	22 October 2022
Team ID	PNT2022TMID47980
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

IBM Watson IoT Platform and Device:

IBM Watson IOT Platform is a cloud-hosted service that makes it simple to derive value from Internet of Things (IoT) devices. Also, a fully managed, cloud-hosted service with capabilities for device registration, connectivity, control, rapid visualization and data storage.

The screenshot displays the IBM Watson IoT Platform interface. The browser address bar shows the URL: `88653s.internetofthings.ibmcloud.com/dashboard/devices/drilldown/iot_device:iot_device_3?returnTo=/devices/browse`. The page title is "Device Drilldown - iot_device_3".

Connection Information

Basic connection information about this device.

Device ID	iot_device_3
Device Type	iot_device
Date Added	Nov 18, 2022 7:22 PM
Added By	tskarthicktkskarthick6778@gmail.com
Connection Status	Connected
	Connection Time: Nov 18, 2022 7:22 PM
	Client Address: 157.49.226.32 SecureToken

Recent Events

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Default	{"temp":35.65,"humid":45.38,"airpurity":83,"gas..."}	json	a few seconds ago

5 Simulations running

IBM Watson IoT Platform

88653s.internetofthings.ibmcloud.com/dashboard/devices/browse

tskarthicktskarthick6778@gmail.com ID: 88653s

Browse Action Device Types Interfaces

Search by Device ID

Device Simulator

Device Type: iot_device

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

```

0 {
1   "temp": random(35.48, 36.58)
2   "humid": random(42.58, 46.68)
3   "airpurity": random(48, 95)
4   "gasLevel": random(258, 1588)
5   "Alert...!": "Alarm and Alert Light will be Activated and Notified"
6 }
7

```

Upload a CSV file

What functions can I apply?

Cancel Save

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By
iot_device_1	Connected	iot_device	Device	Nov 18, 2022 7:22 PM		tskarthicktskarthick6778@gmail.com
iot_device_2	Connected	iot_device	Device	Nov 18, 2022 7:22 PM		tskarthicktskarthick6778@gmail.com
iot_device_3	Connected	iot_device	Device	Nov 18, 2022 7:22 PM		tskarthicktskarthick6778@gmail.com

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
Default	{"temp":35.82,"humid":42.51,"airpurity":93,"gas...}	json	a few seconds ago
Default	{"temp":35.88,"humid":42.72,"airpurity":80,"gas...}	json	a few seconds ago
Default	{"temp":35.86,"humid":42.68,"airpurity":52,"gas...}	json	a few seconds ago
Default	{"temp":35.47,"humid":46.44,"airpurity":69,"gas...}	json	a few seconds ago
Default	{"temp":35.77,"humid":43.11,"airpurity":58,"gas...}	json	a minute ago

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88653s.internetofthings.ibmcloud.com/dashboard/devices/browse

tskarthicktskarthick6778@gmail.com ID: 88653s

Browse Action Device Types Interfaces

Device ID Status Device Type Class ID Date Added Descriptive Location Added By Device Class Firmware Version

iot_device_1 Connected iot_device Device Nov 18, 2022 7:22 PM tskarthicktskarthick6778@gmail.com

iot_device_2 Connected iot_device Device Nov 18, 2022 7:22 PM tskarthicktskarthick6778@gmail.com

iot_device_3 Connected iot_device Device Nov 18, 2022 7:22 PM tskarthicktskarthick6778@gmail.com

Identity Device Information Recent Events State Logs

Diagnostic Logs

A list of device errors and timestamps detailing when the error occurred.

Severity	Message	Timestamp
No logs are available.		

Connection Logs

A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID=d:88653s:iot_device:iot_device_3...	Nov 18, 2022 7:22 PM
Closed connection. The connection has completed normally.	Nov 18, 2022 7:00 PM
Token auth succeeded: ClientID=d:88653s:iot_device:iot_device_3...	Nov 18, 2022 6:59 PM
Closed connection. The connection has completed normally.	Nov 18, 2022 5:36 PM
Token auth succeeded: ClientID=d:88653s:iot_device:iot_device_3...	Nov 18, 2022 5:35 PM
Closed connection. The connection has completed normally.	Nov 18, 2022 4:33 PM
Token auth succeeded: ClientID=d:88653s:iot_device:iot_device_3...	Nov 18, 2022 4:32 PM
Closed connection. The connection timed out	Nov 18, 2022 4:31 PM
Token auth succeeded: ClientID=d:88653s:iot_device:iot_device_3...	Nov 18, 2022 4:31 PM
Closed connection. The connection has completed normally.	Nov 18, 2022 4:31 PM

5 Simulations running

IBM Watson IoT Platform

mathavanuj15@gmail.com
ID: pq685h

Browse

Action

Device Types

Interfaces

Add Device

abod

Disconnected

123

Device

Nov 3, 2022 12:13 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	{"randomNumber":70,"temp":97,"hum":89}	json	a few seconds ago
event_1	{"randomNumber":88,"temp":94,"hum":92}	json	a few seconds ago
event_1	{"randomNumber":30,"temp":91,"hum":85}	json	a few seconds ago
event_1	{"randomNumber":53,"temp":92,"hum":91}	json	a few seconds ago
event_1	{"randomNumber":26,"temp":96,"hum":77}	json	a few seconds ago

1 Simulation running

IBM-Pi

Download

OpenV

Find -

OpenV

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Download

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88653s.internetofthings.ibmcloud.com/dashboard/devices/drilldown/iot_device:iot_device_3?returnTo=/devices/browse

Circuit design Edit...

Gmail

YouTube

Maps

News

Translate

Assignment - 4

ESP32 - Ultrasonic...

ep32 with ultrasoni...

Internet of Things P...

Review Estimate - L...

IBM Watson IoT Platform

tkarthickskarthick77@gmail.com
ID: 88663a

Back

Device Drilldown - iot_device_3

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

State

This table shows a list of data points that are reported by this device.

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
temp	35.65	Number	Default	a few seconds ago
humid	45.38	Number	Default	a few seconds ago
airpurity	83	Number	Default	a few seconds ago
gaslevel	876	Number	Default	a few seconds ago
fireDetected	Fire Detected	String	Default	a few seconds ago
noFireDetected	Fire not Detected	String	Default	a few seconds ago
working	Device Working	String	Default	a few seconds ago
notWorking	Device not Working	String	Default	a few seconds ago
Alert...	Alarm and Alert Light will b...	String	Default	a few seconds ago

5 Simulations running

IBM Watson IoT Platform

89653s.internetofthings.ibmcloud.com/dashboard/devices/browse

Search by Device ID

Device ID

Status

Device Type

iot_device_1

Connected

iot_device

iot_device_2

Connected

iot_device

iot_device_3

Connected

iot_device

Identity

Device Information

Recent Events

The recent events listed show the live stream of data that is c

Event	Value
Default	{"temp":35.88,"humid":42.72,"airpurity
Default	{"temp":35.86,"humid":42.68,"airpurity
Default	{"temp":35.47,"humid":46.44,"airpurity
Default	{"temp":35.77,"humid":43.11,"airpurity
Default	{"temp":36.11,"humid":45.14,"airpurity":55,"gas...

jsona few seconds ago

Event Payload

Event NameDefault

Time ReceivedNov 18, 2022 7:26 PM

```
1 {
2   "temp": 35.86,
3   "humid": 42.68,
4   "airpurity": 52,
5   "gaslevel": 1165,
6   "Alert...!": "Alarm and Alert Light will be Activated and Notification
7 }
```

Device Simulator

Device Class

Firmware Version

5 Simulations running