

# CREATE AND CONFIGURE IBM CLOUD SERVICES

## Create IBM Watson platform and Devices

Date : 15 October 2022

Team ID : PNT2022TMID51479

Project Name Project - SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFE

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area is titled 'Browse Devices' and features a table of devices. A modal window is open for configuring a device of type 'NodeMCU'. The modal shows the 'Events' section with a table of event types, including 'eventflow'. The 'Payload' section shows a JSON payload with random values for 'randomNumber', 'temp', and 'HUM'. The bottom section shows a table of recent events with columns for 'Event', 'Value', 'Format', and 'Last Received'. The table lists five events, all of type 'eventflow', with values in JSON format and timestamps ranging from 'a few seconds ago' to '4 minutes ago'. The bottom status bar indicates '1 Simulation running'.

IBM Watson IoT Platform

Browse Action Device Types Interfaces

### Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device ID	Status	Device Type
12345	Disconnected	NodeMCU

Identity Device Information Recent Events State

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

Device Type: NodeMCU

Events 1

New event type +

Event type name eventflow Send

Schedule

1 Every Minute

Payload

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

```
{
  0 {
  1 "randomNumber": random(0, 100),
  2 "temp": random(90, 110),
  3 "HUM": random(60, 100)
  4 }
```

Upload a CSV file

Activate Windows. Go to Settings to activate Windows.

Search the web and Windows

IBM Watson IoT Platform

muthuroc07@gmail.com ID: ebp7p7

Add Device +

Event	Value	Format	Last Received
eventflow	{"randomNumber":18,"temp":91,"HUM":95}	json	a few seconds ago
eventflow	{"randomNumber":21,"temp":110,"HUM":94}	json	a minute ago
eventflow	{"randomNumber":33,"temp":100,"HUM":84}	json	2 minutes ago
eventflow	{"randomNumber":38,"temp":104,"HUM":86}	json	3 minutes ago
eventflow	{"randomNumber":34,"temp":91,"HUM":83}	json	4 minutes ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

Activate Windows. Go to Settings to activate Windows.

IBM Watson IoT Platform

Find - OpenWeatherMap

https://api.openweathermap.org

IBM Watson IoT Platform

+

ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

muthuroc07@gmail.com  
ID: ebp7p7

BrowseActionDevice TypesInterfaces

Add Device

12345DisconnectedNodeMCUDeviceNov 7, 2022 7:39 PM

IdentityDevice InformationRecent EventsStateLogs

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

Event	Value	Format	Last Received
eventflow	{"randomNumber":100,"temp":95,"HUM":84}	json	a few seconds ago
eventflow	{"randomNumber":37,"temp":94,"HUM":81}	json	a minute ago
eventflow	{"randomNumber":7,"temp":98,"HUM":65}	json	2 minutes ago
eventflow	{"randomNumber":35,"temp":92,"HUM":91}	json	3 minutes ago
eventflow	{"randomNumber":70,"temp":98,"HUM":73}	json	4 minutes ago

1 Simulation running

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IBM Watson IoT Platform

Find - OpenWeatherMap

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IBM Watson IoT Platform

+

ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse

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muthuroc07@gmail.com  
ID: ebp7p7

BrowseActionDevice Types

Add Device

Event Payload

Event Nameeventflow

Time ReceivedNov 12, 2022 10:43 AM

```
1 {  
2   "randomNumber": 18,  
3   "temp": 91,  
4   "HUM": 95  
5 }
```

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

Activate Windows  
Go to Settings to activate Windows.

IBM Watson IoT Platform

Find - OpenWeatherMap

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IBM Watson IoT Platform

ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Browse Devices

All Devices

Diagnose

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Search by Device ID

Device ID	Status	Device Type
12345	Disconnected	NodeMCU

Identity

Device Information

Recent Events

State

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

Simulations

Import/Export simulation

1/50 Simulations Running

New Simulation

Device Type

NodeMCU

1 Event

1 Device

12345

1 x

Create Simulated Device

Use Registered Device

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Go to Settings to activate Windows.

Search the web and Windows

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Find - OpenWeatherMap

https://api.openweathermap.org

IBM Watson IoT Platform

ebp7p7.internetofthings.ibmcloud.com/dashboard/boards/

IBM Watson IoT Platform

Your boards

Public boards

Create New Board

Sort By

Recently changed

USAGE OVERVIEW

3 Cards

Owned by you

RISK AND SECURITY OVERVIEW

4 Cards

Owned by you

+

Boards shared with you

1 Simulation running

Activate Windows

Go to Settings to activate Windows.

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Find - OpenWeatherMap

https://api.openweathermap.org

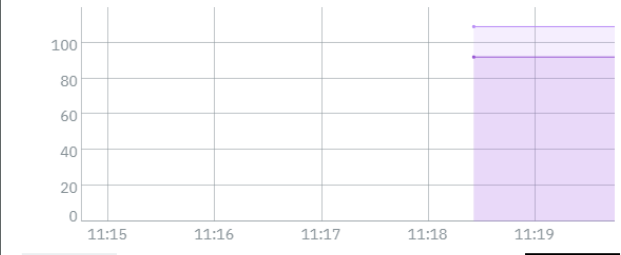
IBM Watson IoT Platform

ebp7p7.internetofthings.ibmcloud.com/dashboard/boards/9b7200ed-6d14-4c6e-909c-040d41269312

IBM Watson IoT Platform

smart home

Line chart



5 minutes

temperature humidity

now

Device Type: NodeMCU

Events 1

New event type +

Event type name eventflow Send

Schedule 1 Every Minute

Payload

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

```
0 {
1   "randomNumber": random(0, 100),
2   "temp": random(90, 110),
3   "HUM": random(60, 100)
4 }
```

Upload a CSV file

Search the web and Windows

11:19 AM 11/12/2022

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Find - OpenWeatherMap

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IBM Watson IoT Platform

ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Browse Devices

All Devices Diagnose

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Search by Device ID

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12345	Disconnected	NodeMCU

Identity Device Information Recent Events State

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

Device Type: NodeMCU

Events 2

New event type +

Event type name event\_2 Send

Schedule 20 Every Minute

Payload

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

```
0 {
1   "randomNumber": random(0, 100),
2   "sampleObject": {
3     "xcord": 32.514,
4     "ycord": 151.521
5   }
6 }
```

Search the web and Windows

11:27 AM 11/12/2022

IBM Watson IoT Platform

Find - OpenWeatherMap

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IBM Watson IoT Platform

ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

muthuroc07@gmail.com  
ID: ebp7p7

Add Device

Browse

Action

Device Types

Search by Device ID

Device ID

12345

Identity

Device

The recent events listed

Event

Value

event\_2

{}

eventflow

{}

eventflow

{}

Event Payload

Event Name

event\_2

Time Received

Nov 12, 2022 11:27 AM

1

2

3

4

5

6

7

{

"randomNumber": 59,

"sampleObject": {

"xcoord": 32.514,

"ycoord": 151.521

}

}

Device Simulator

39 PM

→

...

×

Activate Windows

Go to Settings to activate Windows.

1 Simulation running

Search the web and Windows

File Explorer

Word

Edge

PowerShell

Task Manager

W

VS Code

Chrome

11:28 AM  
11/12/2022