

# CREATE AND CONFIGURE IBM CLOUD SERVICES

## Create IBM Watson platform and Devices

Date : 15 October 2022

Team ID : PNT2022TMID07534

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

The screenshot shows the IBM Watson IoT Platform dashboard. The main panel displays the 'Recent Events' for device '1234' (Status: Disconnected, Type: iot\_devices). The events table is as follows:

Event	Value
event_1	{"randomNumber":31}
event_1	{"randomNumber":83}
event_2	{"randomNumber":94,"sampleObject":{"xcord":...
event_2	{"randomNumber":25,"sampleObject":{"xcord":...
event_2	{"randomNumber":11,"sampleObject":{"xcord":...

An overlay window titled 'Device Type: iot\_devices' is open, showing the configuration for 'event\_2'. It includes a 'Schedule' of '20' events 'Every Minute' and a 'Payload' editor with the following JSON:

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

The screenshot shows the IBM Watson IoT Platform dashboard with the 'Simulations' overlay window open. The main panel remains the same as the previous screenshot. The 'Simulations' window shows '1/50 Simulations Running' and a 'New Simulation' button. Below, it lists the device type 'iot\_devices' with '2 Events' and a toggle switch. A table shows '1 Device' with ID '1234'. At the bottom, there are buttons for '1 x Create Simulated Device' and 'Use Registered Device'.

IBM Watson IoT Platform

Device Type: **iot\_devices**

Events 3 New event type +

Event type name:  Send 🗑️

Schedule:  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 }
```

Event	Value
event_3	{"randomNumber":46,"sampleObject":{"xcord":...
event_3	{"randomNumber":56,"sampleObject":{"xcord":...
event_1	{"randomNumber":31}
event_1	{"randomNumber":83}
event_2	{"randomNumber":94,"sampleObject":{"xcord":...

Items per page 50 | 1-1 of 1 item

7kb3es.internetofthings.ibmcloud.com/dashboard/boards/

410119106009@smartinternz.com  
ID: 7kb3es

+ Create New Board

IBM Watson IoT Platform

Your boards Public boards

IOT MONITOR BOARD

No cards  
Owned by you

USAGE OVERVIEW

3 Cards  
Owned by you

RISK AND SECURITY OVERVIEW

4 Cards  
Owned by you

+ Add new board

Boards shared with you

1 Simulation running

IBM Watson IoT Platform

410119106009@smartinternz.com  
ID: 7kb3es

# Iot monitor board

+ Add New Card Settings

You currently have an empty board

+ Add New Card

1 Simulation running

Type here to search

31°C Cloudy 11:14 PM 10/15/2022

IBM Watson IoT Platform

410119106009@smartinternz.com  
ID: 7kb3es

# Iot monitor board

+ Add New Card Settings

Line chart

5 minutes now

randomNumber sampleObject.xcord sampleObject.ycord

1 Simulation running

Type here to search

31°C Cloudy 11:21 PM 10/15/2022

IBM Watson IoT Platform

410119106009@smartinternz.com  
ID: 7kb3es

Your boards Public boards + Create New Board

### Your boards

Sort By Recently changed

**IOT MONITOR BOARD**  
1 Card  
Owned by you

**USAGE OVERVIEW**  
3 Cards  
Owned by you

**RISK AND SECURITY OVERVIEW**  
4 Cards  
Owned by you

+

Boards shared with you

1 Simulation running

Type here to search

31°C Cloudy 11:25 PM 10/15/2022

IBM Watson IoT Platform

410119106009@smartinternz.com  
ID: 7kb3es

Browse Action Device Types Interfaces + Add Device

123 Disconnected Arduino\_123 Device Oct 15, 2022 11:37 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":"Hi Deepika"}	json	a few seconds ago
event_2	{"randomNumber":59,"sampleObject":{"xcord":...	json	a few seconds ago
event_3	{"randomNumber":63,"sampleObject":{"xcord":...	json	a few seconds ago
event_1	{"randomNumber":"Hi Deepika"}	json	a few seconds ago
event_2	{"randomNumber":28,"sampleObject":{"xcord":...	json	a few seconds ago

2 Simulations running

Type here to search

32°C Cloudy 11:41 PM 10/15/2022

7kb3es.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Simulations

Import/Export simulation

2/50 Simulations Running

New Simulation

Device Type

Arduino\_123

3 Events

1 Device

123

1 x>Create Simulated Device

Use Registered Device

Device Type

iot\_devices

2 Events

1 Device

S: iot\_devices\_1

1 x>Create Simulated Device

Use Registered Device

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

123

Disconnected

Arduino\_123

Identity

Device Information

Recent Events

State

The recent events listed show the live stream of data that is coming and going

Event	Value
event_1	{"randomNumber":"Hi Deepika"}
event_2	{"randomNumber":85,"sampleObject":{"xcord":...
event_3	{"randomNumber":6,"sampleObject":{"xcord":3...
event_1	{"randomNumber":"Hi Deepika"}
event_2	{"randomNumber":12,"sampleObject":{"xcord":...

Type here to search

32°C Cloudy

11:41 PM

10/15/2022