

Publish Data to IBM cloud

Team ID	PNT2022TMID31031
Project Name	Smart waste management system for metropolitan cities

Steps:

Step 1: In the python script, give the IBM creditentials like organization ID, Device type etc ..., to connect to the IBM cloud.

Step 2: Open your cloud account and open Watson platform.

Step 3: In the specified device type mentioned in python scripts shows connected.

Step 4: Then click on recent events and observe the output data.

Screenshots:

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a table of devices with columns: Device ID, Status, Device Type, Class ID, and Date Added. One device, ID 123456, is shown as 'Connected' and is of type 'NodeMCU'. Below the device list, the 'Recent Events' tab is selected, showing a stream of data from an 'IotSensor' device. The events table has columns: Event, Value, Format, and Last Received. The values are JSON objects containing latitude and longitude coordinates. The status '0 Simulations running' is also visible.

Event	Value	Format	Last Received
IotSensor	{"latitude":11.7345,"longitude":78.202}	json	a few seconds ago
IotSensor	{"latitude":11.7345,"longitude":78.202}	json	a few seconds ago
IotSensor	{"latitude":11.7345,"longitude":78.202}		
IotSensor	{"latitude":11.7345,"longitude":78.202}		

Data published

Service Details - IBM Cloud x IBM Watson IoT Platform x +

gpx238.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

jokerboy0501@gmail.com
ID: gpx238

Browse Action Device Types Interfaces

Add Device +

123456 Connected NodeMCU Device Nov 15, 2022 2:06 PM

Identity Device Information Recent Events State Logs

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
latitude	11.7345	Number	IotSensor	a few seconds ago
longitude	78.202	Number	IotSensor	a few seconds ago

Items per page 50 | 1-1 of 1 item

0 Simulations running

78°F Partly cloudy

ENG IN 19:54 15-11-2022

Event state

Service Details - IBM Cloud x IBM Watson IoT Platform x +

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IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device +

123456 Connected NodeMCU Device Nov 15, 2022 2:06 PM

Identity Device Information Recent Events State Logs

Diagnostic Logs

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

Severity	Message	Timestamp
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Connection Logs

A list of the connection events reported for this device.

Message	Timestamp
Token auth succeeded: ClientID='d:gpx23...	Nov 15, 2022 7:52 PM
Closed connection. The connection was cl...	Nov 15, 2022 7:52 PM
Token auth succeeded: ClientID='d:gpx23...	Nov 15, 2022 7:51 PM

0 Simulations running

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Logs