CREATE AND CONFIGURE IBM CLOUD SERVICES

(IBM Watson & Node Red)

Date	22 October 2022
Team ID	PNT2022TMID15234
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-hostedservice with capabilities for device registration, connectivity, control, rapid visualization and data storage.

Recent events

```
3   "airpurity": random(40, 95)
4   "gaslevel": random(250, 1500)
5   "Alert...!": "Alarm and Alert Light will be Activated and Notifica
6   }
7
```

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

Upload a CSV file

ⓘ What functions can I apply?

Cancel   Save

Diagnostic logs

Identity   Device Information   Recent Events   State   Logs   ✕

Diagnostic Logs

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

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:88663s: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:88663s: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:88663s:iot_device:iot_device_3',...	Nov 18, 2022 5:35 PM
Closed connection. The connection has completed normally.	Nov 18, 2022 4:53 PM
Token auth succeeded: ClientID='d:88663s:iot_device:iot_device_3',...	Nov 18, 2022 4:52 PM
Closed connection. The connection timed out	Nov 18, 2022 4:31 PM
Token auth succeeded: ClientID='d:88663s:iot_devi	
Closed connection. The connection has completed r	

5 Simulations running

Browse   Action   Device Types   Interfaces   Add Device ⊕

⌄ ☐   abcd   ⌇ 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

← 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...

5 Simulations running

Browse   Action   Device Types   Interfaces

Add Device ⊕

🔍 Search by Device ID

Device Simulator ⬤

		Device ID	Status	Device Type			Device Class	Firmware Version
›	☐	iot_device_1	● Connected	iot_device		8@gmail.com		
›	☐	iot_device_2	● Connected	iot_device		8@gmail.com		
∨	■	iot_device_3	● Connected	iot_device		8@gmail.com	→ •••

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... json a few seconds ago

Event Payload   ✕

Event Name   Default

Time Received   Nov 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 w
7  }
```

5 Simulations running