

CREATE AND CONFIGURE IBM CLOUD SERVICES

(IBM Watson, Node-Red)

Date	22 October 2022
Team ID	PNT2022TMID13566
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.

IBM Watson IoT Platform

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← Back

Device Drilldown - abcd

- Device Credentials
- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

Device Credentials

You registered your device to the organization. Add these credentials to the device to connect it to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	pq685h
Device Type	123
Device ID	abcd
Authentication Method	use-token-auth
Authentication Token	12345678

! Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.

[Find out how to add these credentials to your device](#)



Device Type: 123



Events 1

New event type +



Event type name

event_1

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   "temp" : random(90,100),  
3   "hum" : random(60,100)  
4 }  
5
```

Upload a CSV file

Cancel

Save

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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

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Browse

Action

Device Types

Interfaces

Add Device

abcd

Disconnected

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Device

Nov 3, 2022 12:13 PM

Identity

Device Information

Recent Events

State

Logs

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
randomNumber	9	Number	event_1	a few seconds ago
temp	94	Number	event_1	a few seconds ago
hum	76	Number	event_1	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

1 Simulation running

