

- Primarily, we need to create IBM Watson cloud account and create the device credentials like Device type, Device ID etc

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device +

Browse Devices

All Devices Diagnose

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

Search by Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added
ARDUINO	Disconnected	IOT-device	Device	8 Jun 2020 1:02 PM

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1 Simulation running

- Simulate an event with required parameters as in the fig given below:

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Search by Device ID

Device ID	Status	Device Type
ARDUINO	Connected	IOT-device

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Device Type: IOT-device

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.

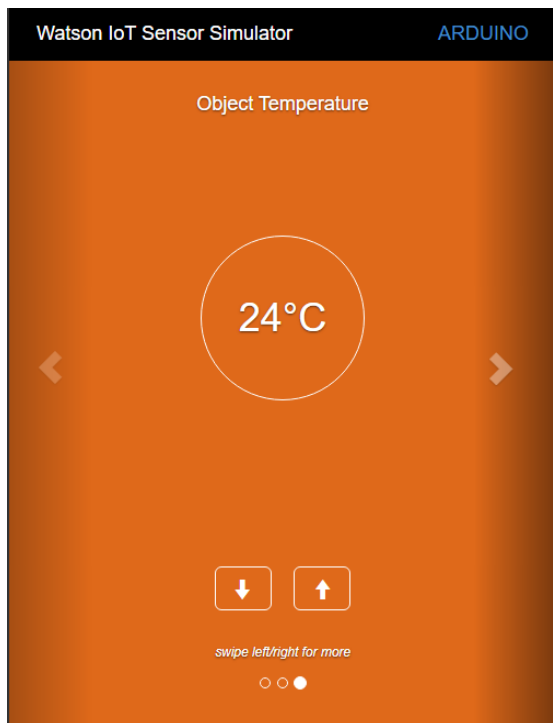
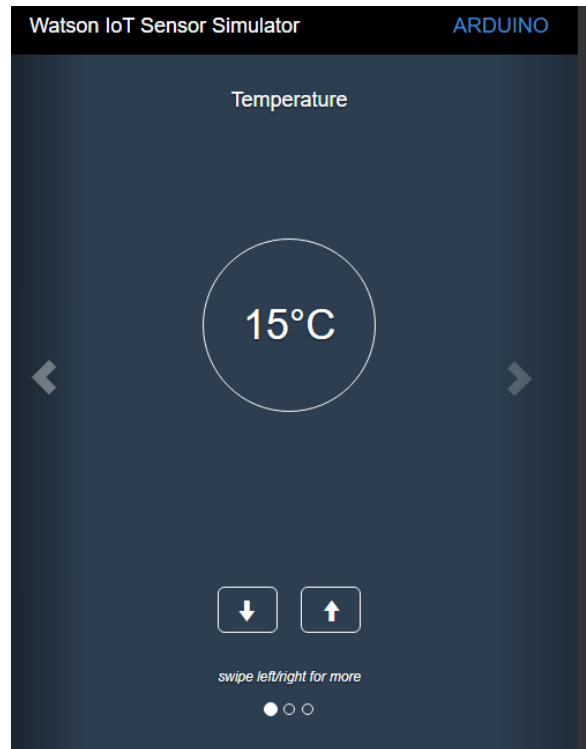
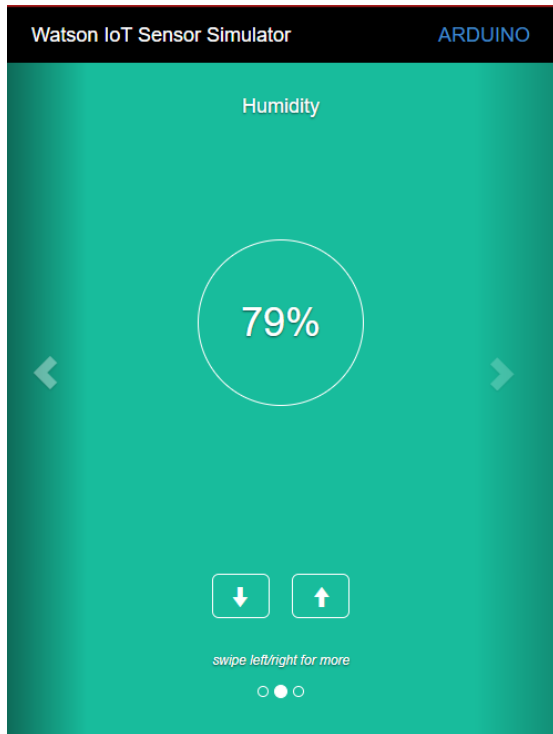
```

0 {
1   "temperature": random(0, 100)
2   "humidity": random(0, 100)
3   "objectTemp": random(0, 100)
4 }

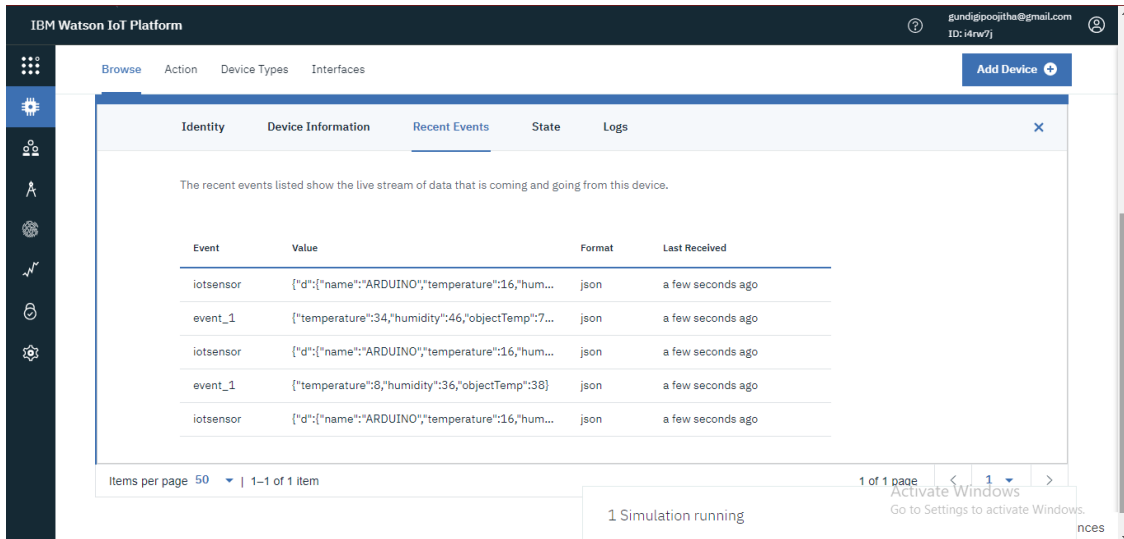
```

Upload a CSV file

- Generate the data like temperature, humidity, Object temperature from IBM IOT simulator and send them to IBM Watson IOT platform.



- This leads to the device connection and random data events are generated.



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Add Device +

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
iotsensor	{"d":{"name":"ARDUINO","temperature":16,"hum..."}	json	a few seconds ago
event_1	{"temperature":34,"humidity":46,"objectTemp":7...	json	a few seconds ago
iotsensor	{"d":{"name":"ARDUINO","temperature":16,"hum..."}	json	a few seconds ago
event_1	{"temperature":8,"humidity":36,"objectTemp":38}	json	a few seconds ago
iotsensor	{"d":{"name":"ARDUINO","temperature":16,"hum..."}	json	a few seconds ago

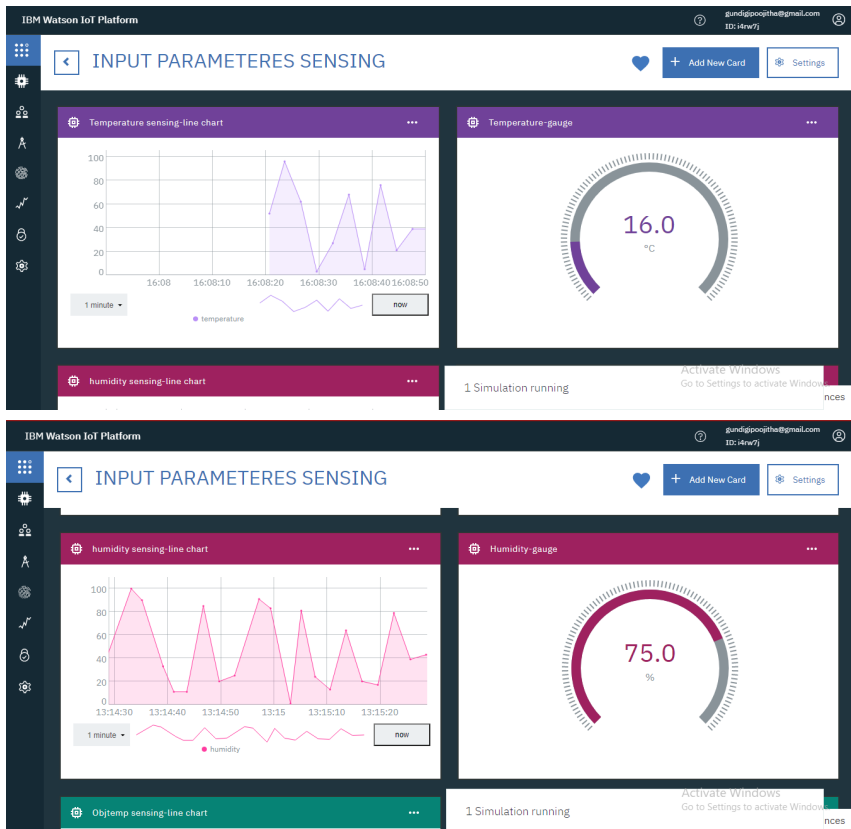
Items per page 50 | 1-1 of 1 item

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1 Simulation running

Activate Windows
Go to Settings to activate Windows.

- Later, visualise these parameters in boards in formats like line chart, barcharts,gauges etc.



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INPUT PARAMETERS SENSING

+ Add New Card Settings

Temperature sensing-line chart

Temperature-gauge

16.0 °C

1 Simulation running

Activate Windows
Go to Settings to activate Windows.

humidity sensing-line chart

Humidity gauge

75.0 %

1 Simulation running

Activate Windows
Go to Settings to activate Windows.