

Building Mobile App

Configure the Application to Receive data from the cloud

Team ID	PNT2022TMID06458
Project Name	Real-Time River Water Quality Monitoring and Control System

Workflow and the Received Data from the Cloud:

node-red-rolwg-2022-11-08.eu-gb.mybluemix.net/red/#flow/6d5413bbcf4f3876

Node-RED

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range
- template
- delay
- trigger

msg payload

random number

temperature

Humidity

debug

```
11/16/2022, 7:50:30 PM node: a093baadae333867  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : Object  
> { randomNumber: 74, temp: 64, Humid: 23 }  
11/16/2022, 7:50:30 PM node: c2e27151337fd3e7  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : Object  
> { randomNumber: 74, temp: 94, Humid: 23 }  
11/16/2022, 7:50:32 PM node: a093baadae333867  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : number  
74  
11/16/2022, 7:50:33 PM node: a093baadae333867  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : number  
94  
11/16/2022, 7:50:34 PM node: a093baadae333867  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : number  
23  
11/16/2022, 7:50:35 PM node: c2e27151337fd3e7  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : undefined  
undefined  
11/16/2022, 7:50:36 PM node: c2e27151337fd3e7  
iot-2/types/LaptopId/0410/ev/ventId/fml/json : msg.payload : undefined  
undefined
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

7:50 PM
11/16/2022

IBM Watson IoT Platform

Browse Action Device Types Interfaces

criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device ID	Status	Device Type
0410	Disconnected	Laptop

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

Event	Value
IoTSensor	{"PH":98,"Turbidity":69}
IoTSensor	{"PH":94,"Turbidity":60}

Device Type: Laptop

Events 1

New event type

Event type name event8

Send

Schedule

2 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(0,100),
3   "Humid": random(20,80)
4 }
```

Upload a CSV file

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Browse Action Device Types Interfaces

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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
event8	{"randomnumber":74,"temp":94,"Humid":23}	json	a few seconds ago
event8	{"randomnumber":48,"temp":5,"Humid":75}	json	a few seconds ago

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1 Simulation running

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