

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

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Date	16 November 2022
Team ID	PNT2022TMID45101
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

Node-RED

Deploy

filter nodes

Flow 1

tcp in

tcp out

tcp request

udp in

udp out

input

mqtt in

output

OpenWhisk

ibmiot out

sequence

split

mqtt in

connected

msg payload

debug

all nodes

all

11/5/2022, 3:31:22 PM node: f2d649a-0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tmt/json
msg payload: Object
{
 "randomNumber": 17,
 "temp": 33,
 "hum": 84
}

11/5/2022, 3:31:22 PM node: f2d649a-0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tmt/json
msg payload: Object
{
 "randomNumber": 36,
 "temp": 37,
 "hum": 85
}

11/5/2022, 3:31:22 PM node: f2d649a-0d0d98
iot-2/type/123/id/123_4/evt/eventtest/tmt/json
msg payload: Object
{
 "randomNumber": 33,
 "temp": 43,
 "hum": 85
}

11/5/2022, 3:31:22 PM node: f2d649a-0d0d98
iot-2/type/123/id/123_3/evt/eventtest/tmt/json
msg payload: Object
{
 "randomNumber": 87,
 "temp": 61,
 "hum": 97
}

11/5/2022, 3:31:22 PM node: f2d649a-0d0d98
iot-2/type/123/id/123_1/evt/eventtest/tmt/json
msg payload: Object
{
 "randomNumber": 66,
 "temp": 44,
 "hum": 81
}

Node-RED

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

switch

IoT

connected

Temp

Humidity

Moisture

msg.payload

debug

all nodes

all

94

11/5/2022, 3:52:00 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_3/evt/eventtest/tnt/json
msg.payload: number

81

11/5/2022, 3:52:01 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tnt/json
msg.payload: Object

{ randomNumber: 19, temp: 13, hum: 100 }

11/5/2022, 3:52:01 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tnt/json
msg.payload: number

13

11/5/2022, 3:52:01 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tnt/json
msg.payload: number

100

11/5/2022, 3:52:01 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_2/evt/eventtest/tnt/json
msg.payload: number

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