

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

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Date	12 November 2022
Team ID	PNT2022TMID53637
Project Name	Industry-specific intelligent fire management system
Maximum Marks	8 Marks

Node-RED

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

switch

Test

msg payload

debug

all nodes

all

11/5/2022, 3:02:28 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:02:38 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:02:48 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:02:58 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:03:08 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:03:18 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

11/5/2022, 3:03:28 PM node: f2f2649a-0d0d98
msg.payload : string[15]
"Hello Node-RED!"

Node-RED

Deploy

filter nodes

Flow 1

tcp in

tcp out

tcp request

udp in

udp out

input

ibmiot in

output

OpenWhisk

ibmiot out

sequence

split

IBM IoT

connected

msg payload

debug

all nodes

all

11/5/2022, 3:31:22 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_2/evt/eventtest/mtl/json :
msg payload : Object
{
 randomNumber: 17,
 temp: 33,
 hum: 84
}

11/5/2022, 3:31:22 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_456/evt/eventtest/mtl/json :
msg payload : Object
{
 randomNumber: 36,
 temp: 37,
 hum: 85
}

11/5/2022, 3:31:22 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_3/evt/eventtest/mtl/json :
msg payload : Object
{
 randomNumber: 33,
 temp: 43,
 hum: 85
}

11/5/2022, 3:31:22 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_1/evt/eventtest/mtl/json :
msg payload : Object
{
 randomNumber: 87,
 temp: 61,
 hum: 97
}

11/5/2022, 3:31:22 PM node: f2f2649a.0d0d98
iot-2/type/123/id/123_1/evt/eventtest/mtl/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

IBM IoT

connected

Temp

Humidity

Moisture

msg payload

debug

all nodes

all

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

81

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

13

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

100

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

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