

WEB APPLICATION USING NODE RED

The screenshot displays the Node-RED web application interface in a browser. The browser's address bar shows the URL: `node-red-sswwy-2022-10-08.eu-de.mybluemix.net/red/#flow/a5f34a4957317d60`. The Node-RED interface includes a left sidebar with a node palette categorized into 'common' and 'function' nodes. The 'common' category contains nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The 'function' category contains function and switch nodes. The main workspace, titled 'Flow 1', shows a flow with two nodes: a 'Test' node and a 'msg.payload' node, connected by a curved line. The right sidebar features a 'debug' console displaying a series of log messages. Each message includes a timestamp, a node ID, and the payload value 'Hello Node-RED!'. The bottom of the image shows a Windows taskbar with various application icons and system information, including the date '05-11-2022' and time '15:03'.

Application Details - IBM Cloud x Node-RED : node-red-sswwy-2022-10-08.eu-de.mybluemix.net/red/#flow/a5f34a4957317d60

Node-RED

filter nodes

Flow 1

common

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

function

- 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!"

Type here to search

28°C Cloudy 15:03 05-11-2022

Application Details - IBM Cloud x Node-RED : node-red-sswwy-20 x Service Details - IBM Cloud x IBM Watson IoT Platform x +

node-red-sswwy-2022-10-08.eu-de.mybluemix.net/red/#flow/a5f34a4957317d60

Node-RED

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

```
iot-2/type/123/id/123_4/evt/eventtest/fmt/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_2/evt/eventtest/fmt/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/123456/evt/eventtest/fmt/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_3/evt/eventtest/fmt/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/fmt/json :  
msg.payload : Object  
  { randomNumber: 66, temp: 44, hum:  
    81 }
```

Type here to search

28°C Cloudy 15:31 05-11-2022 ENG

Application Details - IBM Cloud

Node-RED : node-red-sswwy-20

Service Details - IBM Cloud

IBM Watson IoT Platform

node-red-sswwy-2022-10-08.eu-de.mybluemix.net/red/#flow/a5f34a4957317d60

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

94

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

81

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

13

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

100

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

19

Type here to search

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15:52

05-11-2022