

TEAM ID	PNT2022TMID32075
PROJECT NAME	REAL - TIME RIVER WATER QUALITY MONITORING CONTROL SYSTEM

WEB APPLICATION NODE-RED SERVICES

Node-RED

Flow-based programming for the Internet of Things

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at nodered.org.

[Go to your Node-RED flow editor](#)

[Learn how to customise Node-RED](#)

Edit ibmiot in node

Delete

Cancel

Done

Properties

Authentication

API Key

API Key

waterquality

Input Type

Device Event

Device Type

All or

waterquality

Device Id

All or

1357911

Event

All or

+

Format

All or

json

QoS

0

Name

IBM IoT

Service

registered

Enabled

dashboard

Layout

Tabs & Links

Service Details | IBM Watson IoT | Node-RED: 169 | Node-RED Dash | MIT App Invento | IBM | GitHub

Not secure | 169.51.200.125:32400/red/#flow/126f53e7ea3e2eb9

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Node-RED

Flow 1

debug

all nodes

filter nodes

common

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

function

- function
- switch
- change

Flow 1

IBM IoT (connected) → temperature → msg payload

IBM IoT (connected) → humidity → humidity

IBM IoT (connected) → ph → ph

[get] /data → webpage → http

LIGHT ON → IBM IoT (connected) → msg payload

LIGHT OFF → IBM IoT (connected) → msg payload

debug

```
iot-2/type/waterquality/id/1357911/evt/temperature/fmt/json : msg.payload : number 8
11/15/2022, 9:45:02 PM node: b4c1d1047fa43e1a iot-2/type/waterquality/id/1357911/evt/temperature/fmt/json : msg.payload : Object { ph: 3, temperature: 47, humidity: 23 }
11/15/2022, 9:45:02 PM node: b4c1d1047fa43e1a iot-2/type/waterquality/id/1357911/evt/temperature/fmt/json : msg.payload : number 47
11/15/2022, 9:45:02 PM node: b4c1d1047fa43e1a iot-2/type/waterquality/id/1357911/evt/temperature/fmt/json : msg.payload : number 23
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```

Type here to search

21:56 15-11-2022

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Flow 1

[get] /data → webpage → http

LIGHT ON → IBM IoT (connected) → msg payload

LIGHT OFF → IBM IoT (connected) → msg payload

[get] /command → command → http

debug

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Service Details x IBM Watson IoT x Node-RED: 169. x MIT App Inventor x IBM x IBM-Project-164 x SPRINT 2 - Google x

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Node-RED

Flow 1

common

- inject
- debug
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- link call
- link out
- comment

function

- function

IBM IoT

connected

[get] /data

Edit function node

Delete Cancel Done

Properties

Name: temperature

Setup On Start On Message On Stop

```
1 global.set('temperature', msg.payload.temperature)
2 msg.payload=msg.payload.temperature
3 return msg;
```

Enabled

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all nodes

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BUILD MOBILE AP...pdf

Show all

Type here to search

22:54 15-11-2022

debug

all nodes

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