

PROJECT DEVELOPMENT PHASE

SPRINT – 3

Team ID	PNT2022TMID11542
Project Name	Industry - Specific Fire Management System
Date	12 November 2022

Sending the data from IBM Watson to Node Red:

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area displays a table of recent events, which are live stream data points. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The events are listed as 'status' with JSON values representing temperature, flame, and gas levels. The format is 'json' and the last received time is 'a few seconds ago'. At the bottom, there is a status bar indicating '1 Simulation running'.

Event	Value	Format	Last Received
status	{"temperature":33,"flame":1,"gas":56}	json	a few seconds ago
status	{"temperature":60,"flame":41,"gas":9}	json	a few seconds ago
status	{"temperature":53,"flame":27,"gas":26}	json	a few seconds ago
status	{"temperature":23,"flame":7,"gas":63}	json	a few seconds ago
status	{"temperature":69,"flame":42,"gas":84}	json	a few seconds ago

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1 Simulation running

Node Red Connection:

node-red-dahfa-2022-11-13-eu-gb.mybluemix.net/red/#flow/591d82622c4ff832

Node-RED

Flow 1

debug

common

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

function

- function

msg.payload

temperature

Flame

Gas

Temperature

Flame

Gas

```
{ "temperature": 88, "flame": 13, "gas": 93 }
11/18/2022, 6:47:15 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 30, "flame": 47, "gas": 39 }
11/18/2022, 6:47:19 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 75, "flame": 2, "gas": 36 }
11/18/2022, 6:47:23 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 90, "flame": 23, "gas": 58 }
11/18/2022, 6:47:27 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 62, "flame": 40, "gas": 18 }
```

node-red-dahfa-2022-11-13-eu-gb.mybluemix.net/red/#flow/591d82622c4ff832

Node-RED

Flow 1

debug

common

- inject
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- link out
- comment

function

- function

[get] /value

send data

http

msg.payload

temperature

Temperature

```
{ "temperature": 53, "flame": 17, "gas": 47 }
11/18/2022, 6:47:51 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 100, "flame": 35, "gas": 28 }
11/18/2022, 6:47:55 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 38, "flame": 22, "gas": 98 }
11/18/2022, 6:47:59 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 33, "flame": 4, "gas": 11 }
11/18/2022, 6:48:03 PM node: 500101dad18487f5
iot-2/type/Rasberryid/1234/evl/status/fmt/json :
msg.payload : Object
{ "temperature": 69, "flame": 45, "gas": 62 }
```

Web UI:

