Link of IoT sensor device with simulator turned ON and results visualized in boards and cards

<https://n3hxqh.internetofthings.ibmcloud.com/dashboard/boards/3dde7934-e244-4e88-8470-3b38b008d26c>

The event payload for corresponding simulation viewed

<https://n3hxqh.internetofthings.ibmcloud.com/dashboard/devices/browse>

The link for watching the sensor data through WEB UI

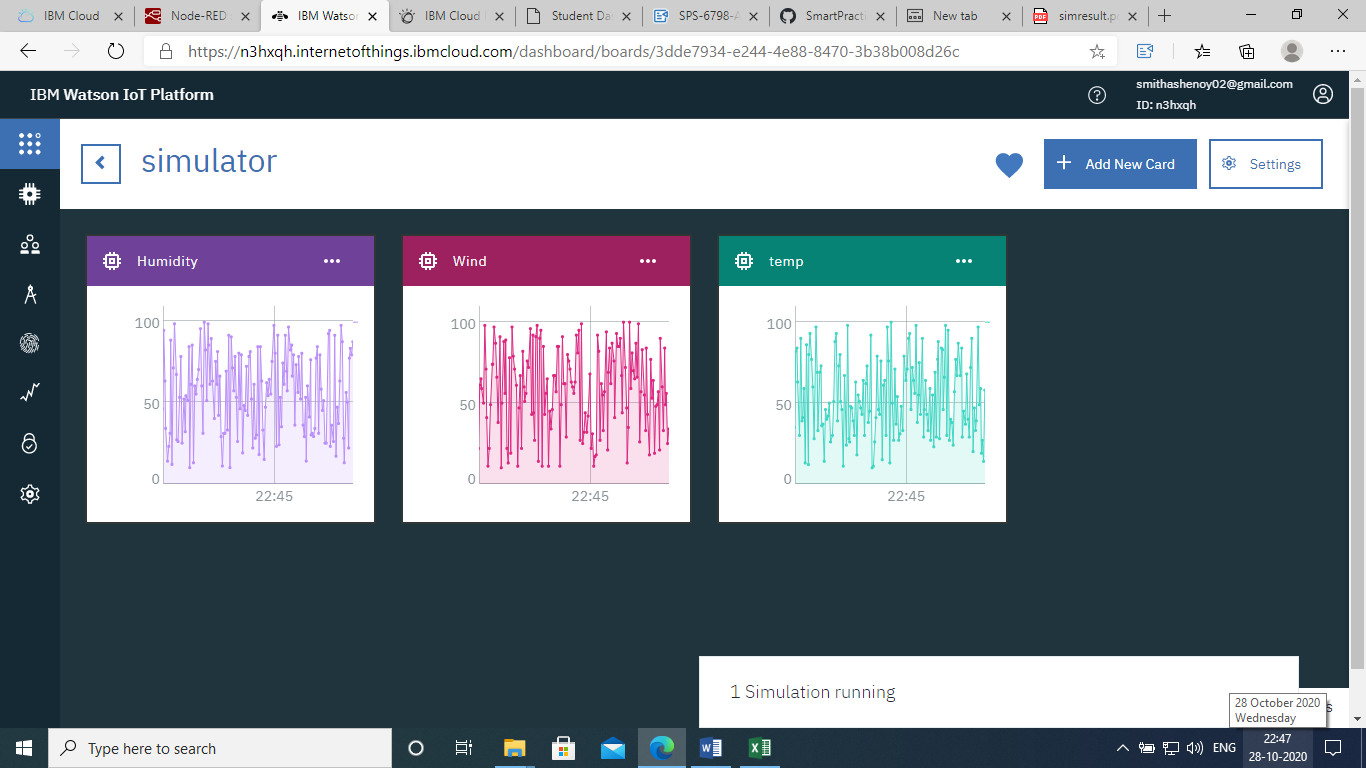
<https://node-red-dbxco-2020-10-24.eu-gb.mybluemix.net/ui/#!/0?socketid=_TIOT6ftyk-kdQDpAAAg>

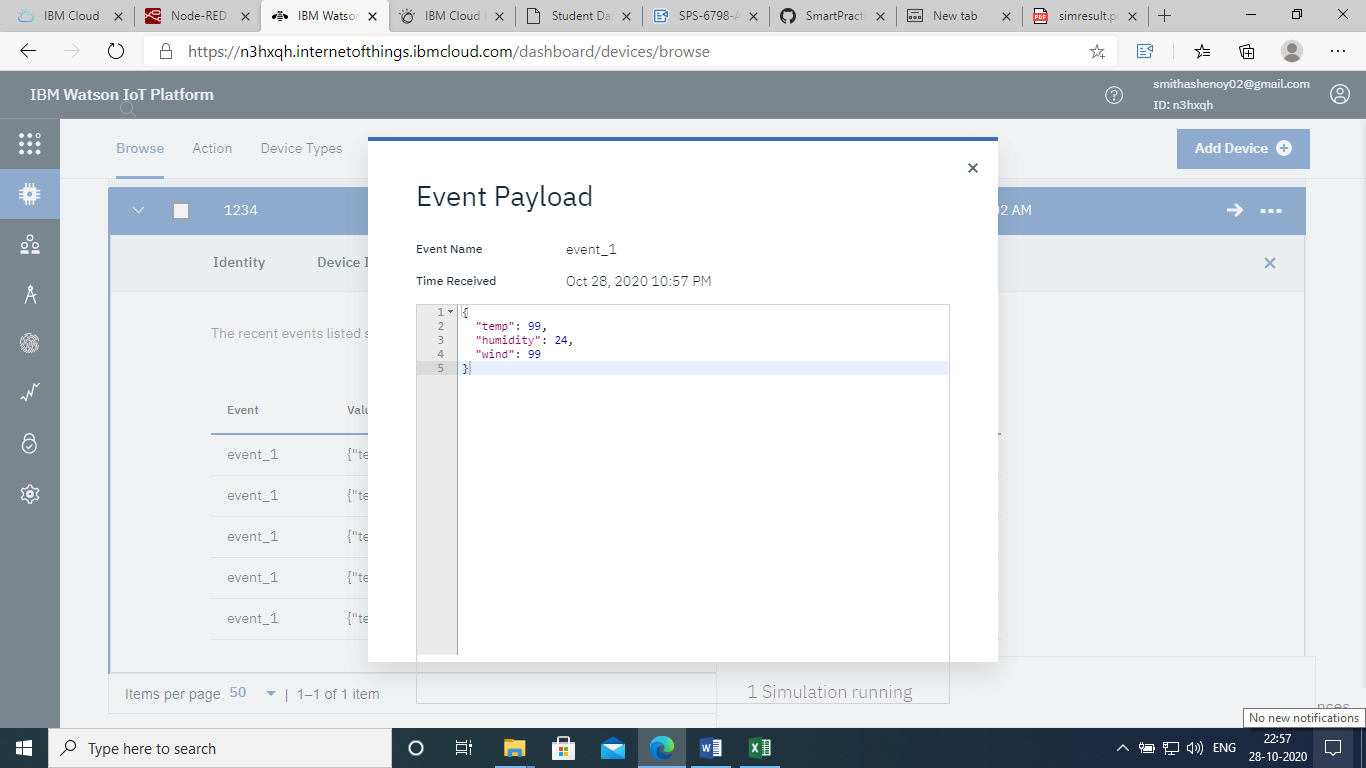
Web Ui attached for the above sensor UI output

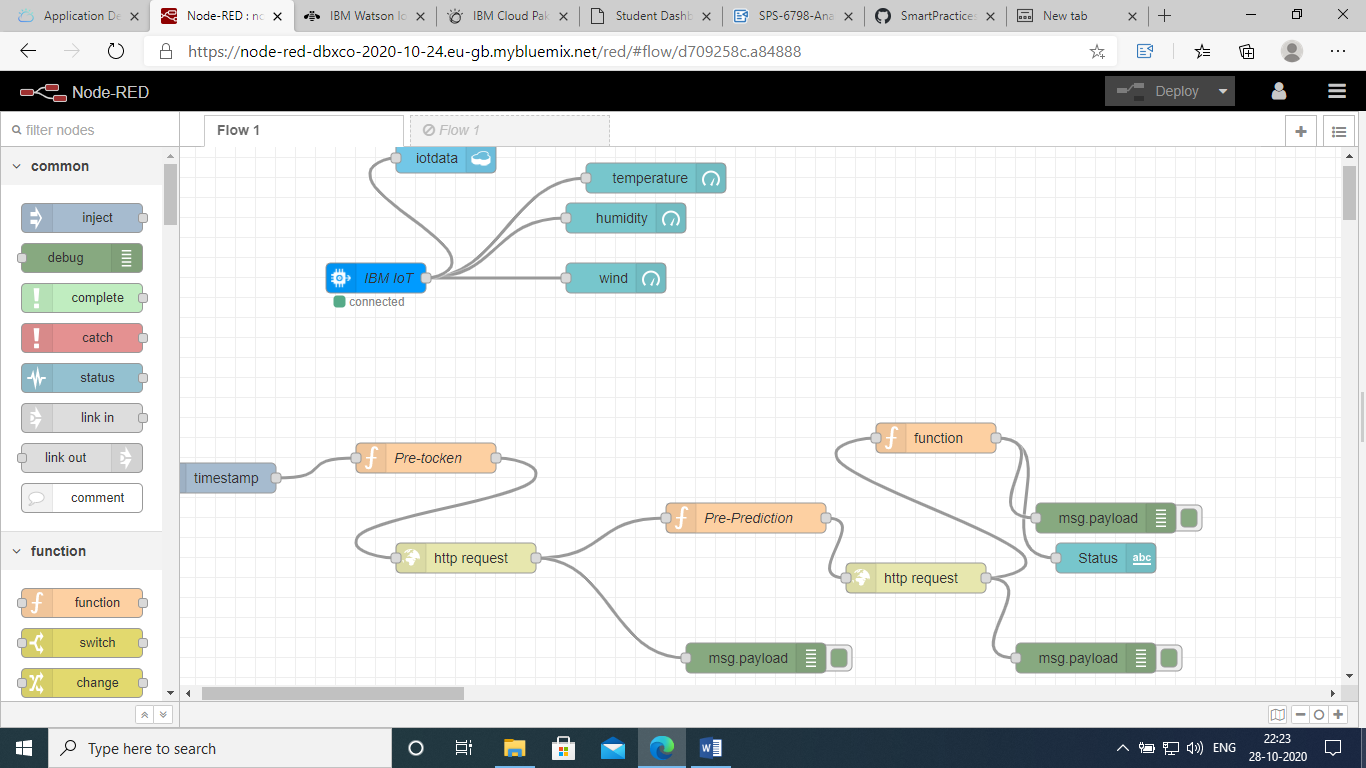
<https://node-red-dbxco-2020-10-24.eu-gb.mybluemix.net/ui/#!/0?socketid=zEmSwuZFNQOtJYriAAAx>

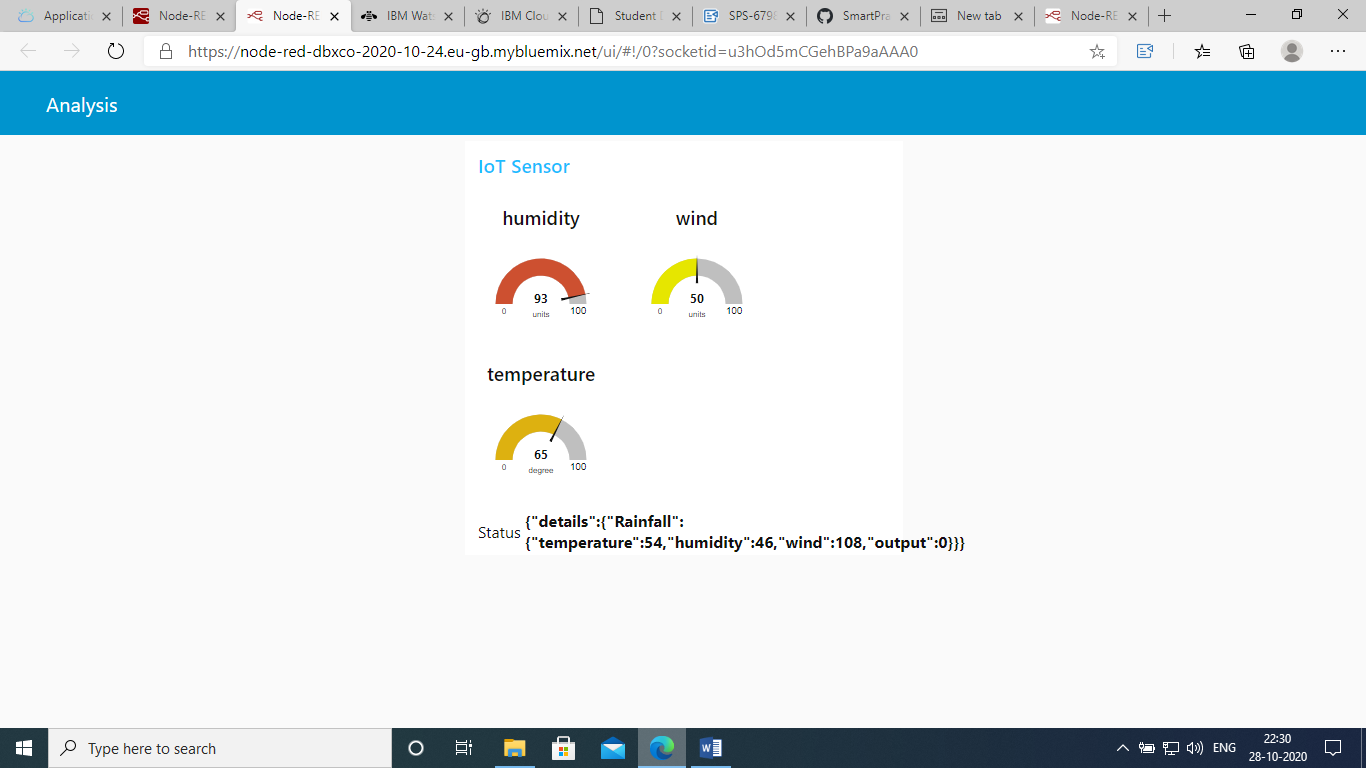
Node red link of flow diagram for the application model with output parameter as rainfall

<https://node-red-dbxco-2020-10-24.eu-gb.mybluemix.net/red/#flow/d709258c.a84888>









Model deployed endpoint

<https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/1038769f-9222-4355-b9a1-19b5c6d73bd9/predictions?version=2020-10-28>

JSON file

import requests

# NOTE: you must manually set API\_KEY below using information retrieved from your IBM Cloud account.

API\_KEY = "<your API key>"

token\_response = requests.post('https://iam.eu-gb.bluemix.net/identity/token', data={"apikey": API\_KEY, "grant\_type": 'urn:ibm:params:oauth:grant-type:apikey'})

mltoken = token\_response.json()["access\_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

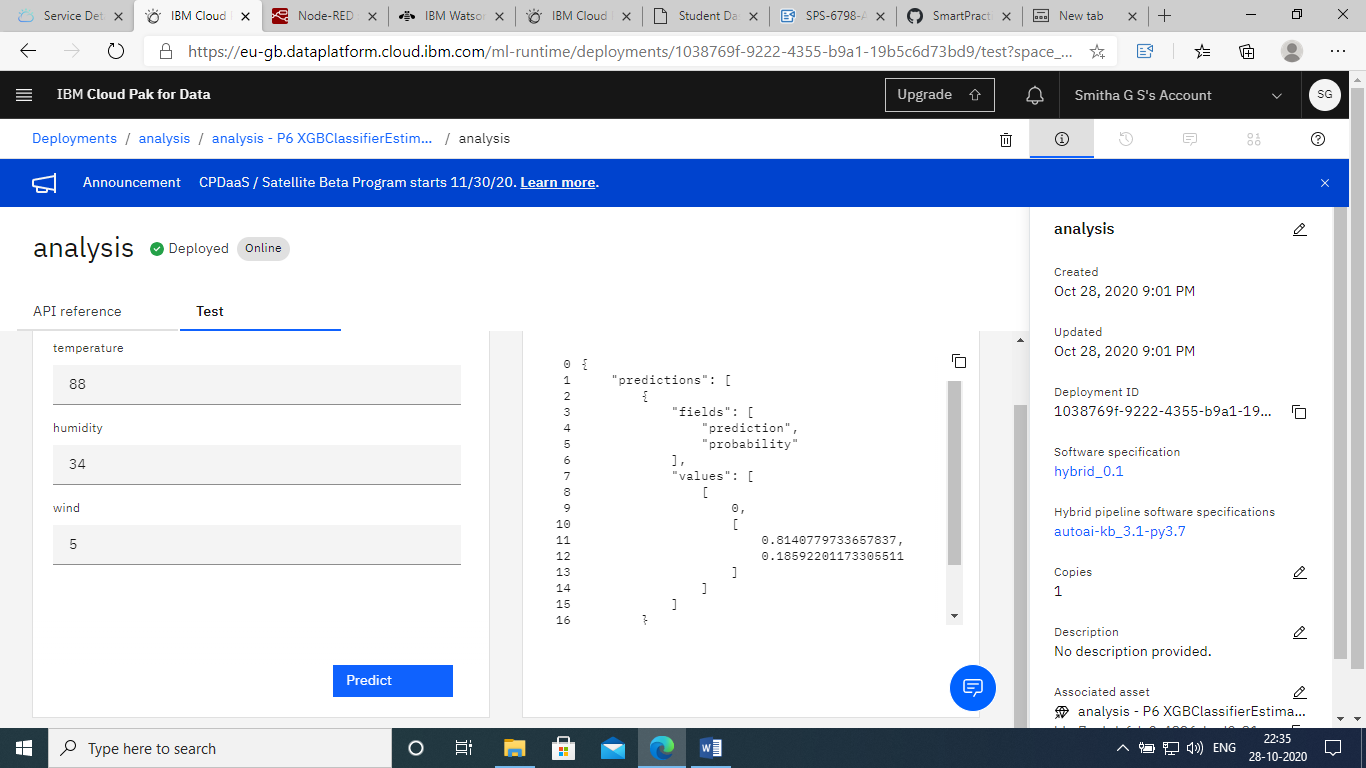
# NOTE: manually define and pass the array(s) of values to be scored in the next line

payload\_scoring = {"fields": [array\_of\_input\_fields], "values": [array\_of\_values\_to\_be\_scored, another\_array\_of\_values\_to\_be\_scored]}

response\_scoring = requests.post('https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/1038769f-9222-4355-b9a1-19b5c6d73bd9/predictions?version=2020-10-28', json=payload\_scoring, headers={'Authorization': 'Bearer ' + mltoken})

print("Scoring response")

print(response\_scoring.json())



{

"predictions": [

{

"fields": [

"prediction",

"probability"

],

"values": [

[

0,

[

0.8140779733657837,

0.18592201173305511

]

]

]

}

]

}

Deployment ID

1038769f-9222-4355-b9a1-19b5c6d73bd9

