Hyper-local weather dashboard using The Weather company's API on IBM Cloud.

PRESENTED BY :- RUPAL RAJ

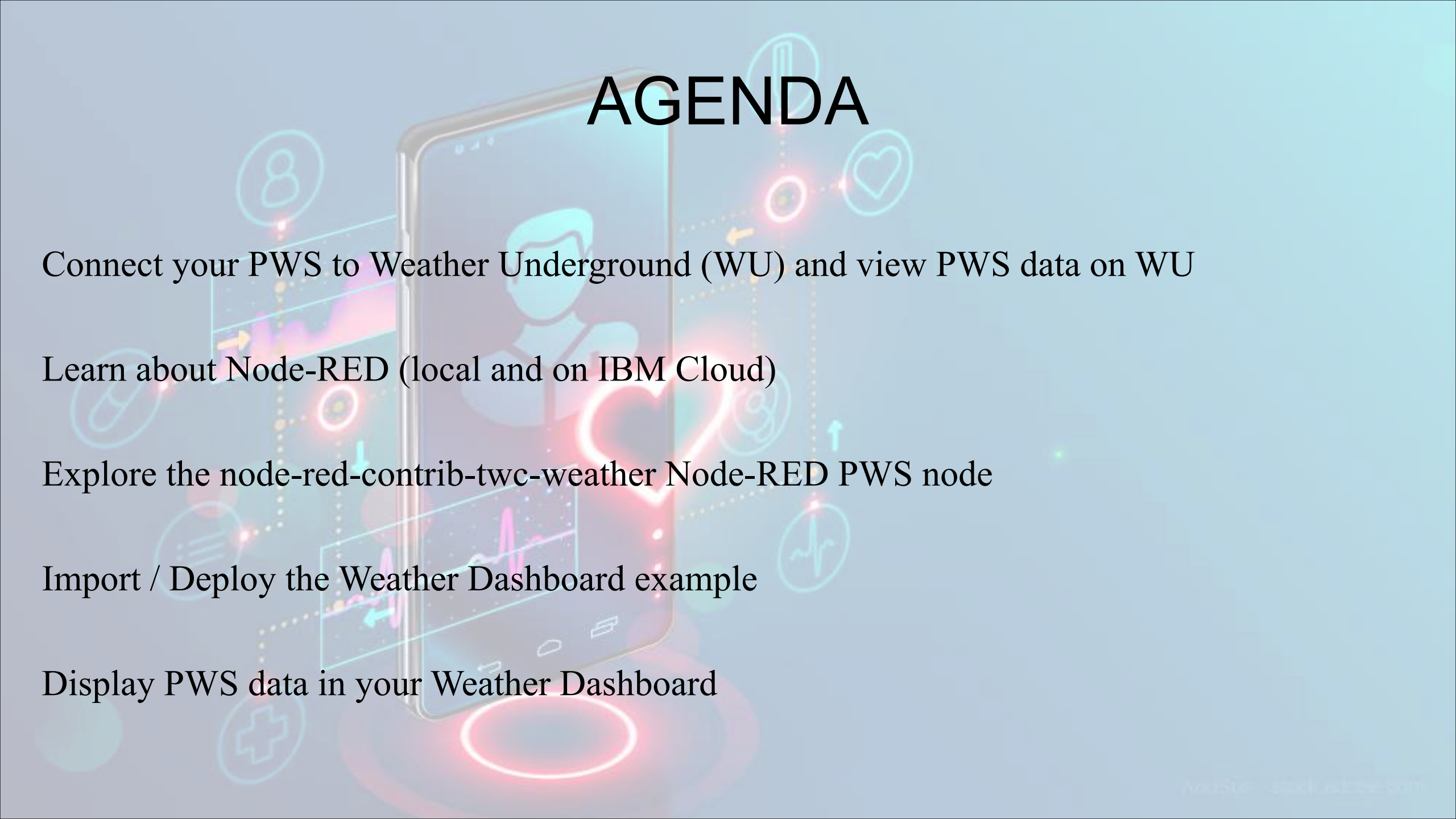
IBM Hack Challenge 2020

Application ID: SPS_CH_APL_20200006618

Project ID:SPS_PRO_1722

Team: ARTHUR

AGENDA



Connect your PWS to Weather Underground (WU) and view PWS data on WU

Learn about Node-RED (local and on IBM Cloud)

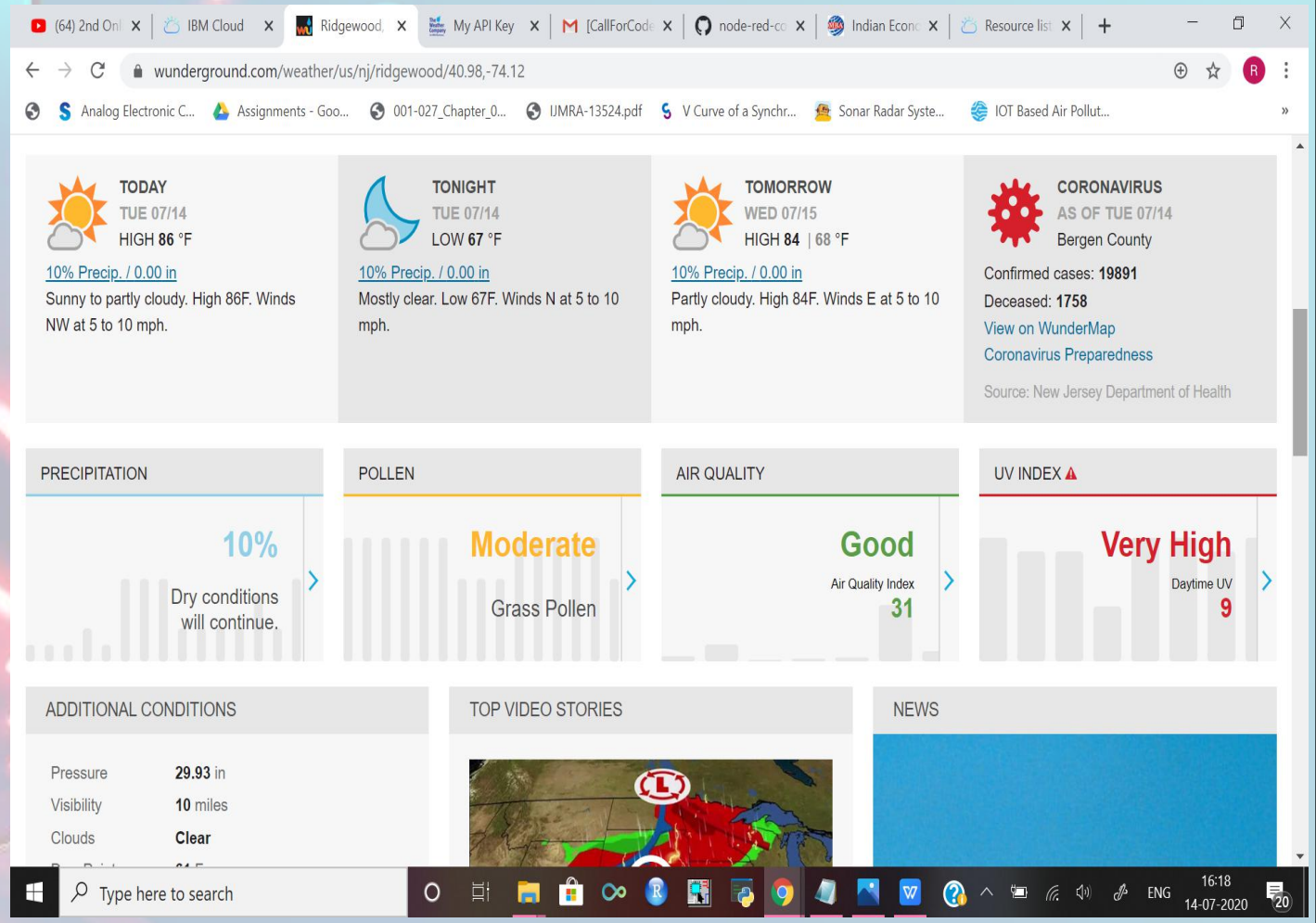
Explore the node-red-contrib-twc-weather Node-RED PWS node

Import / Deploy the Weather Dashboard example

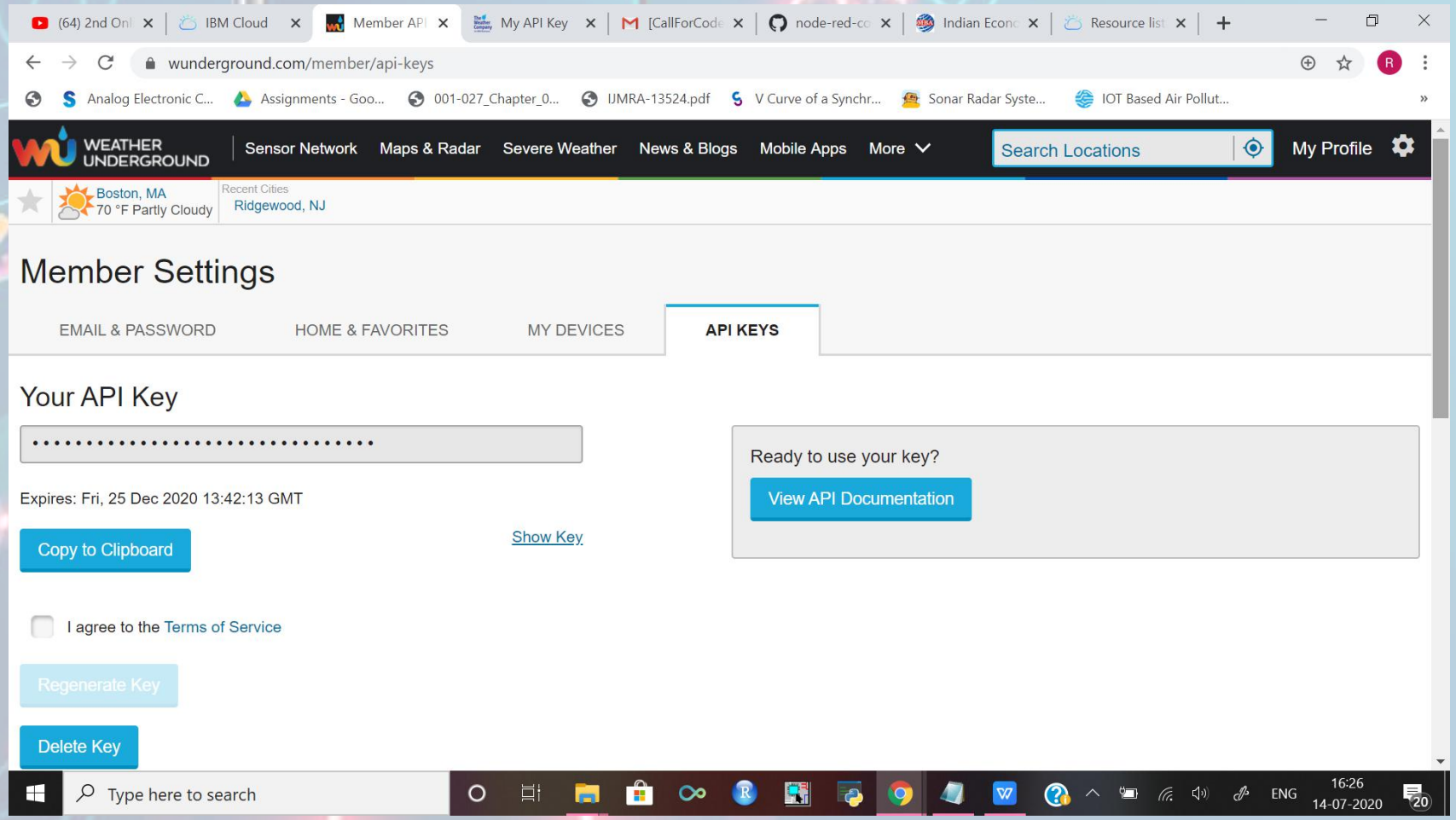
Display PWS data in your Weather Dashboard

PWS network

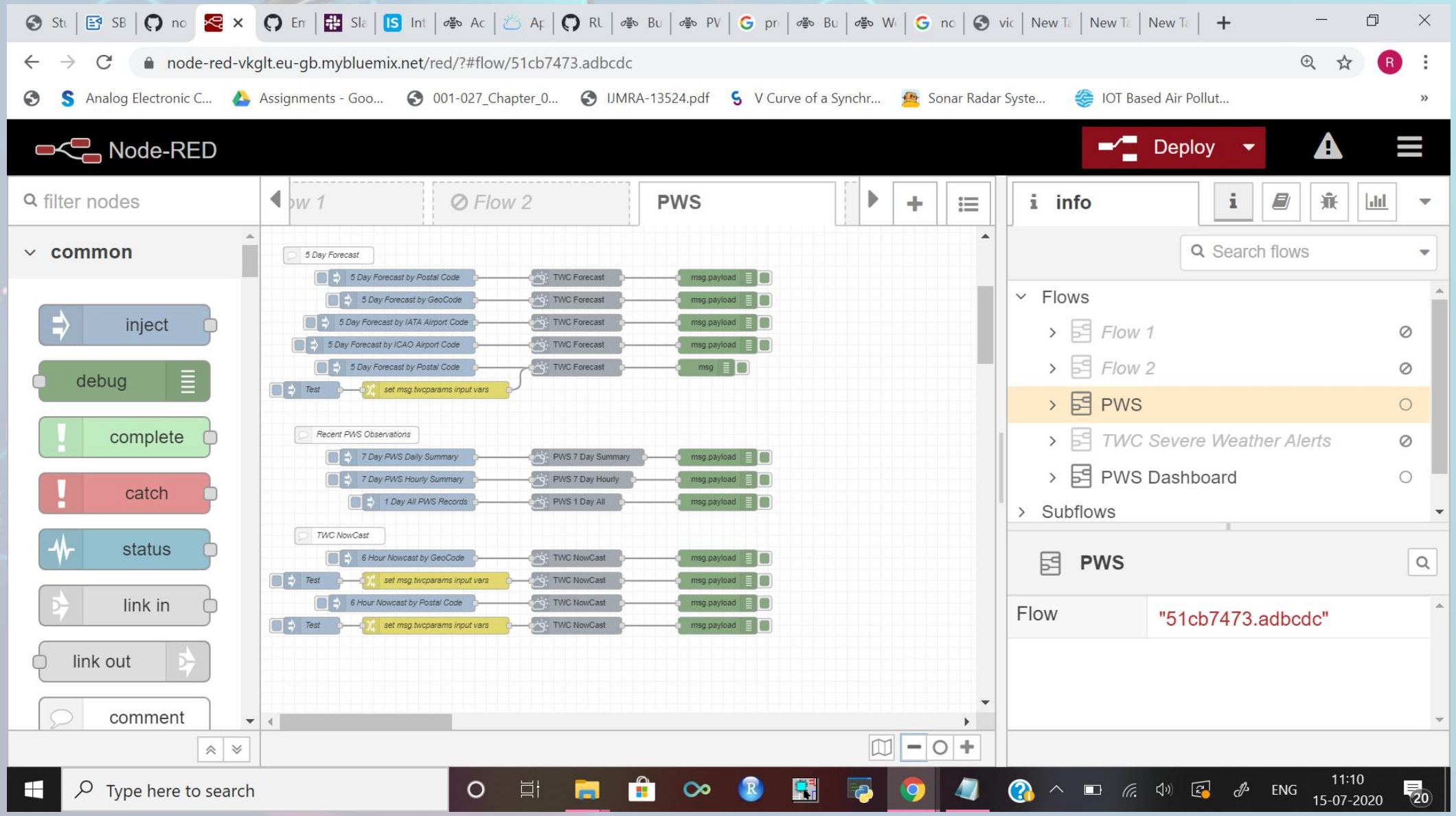
- there are about 12k government provided wather stations.
- Weather Underground, a part of The Weather Company, an IBM Business, encourages members to register their PWS and send data to http://www.wunderground.com



make your own API

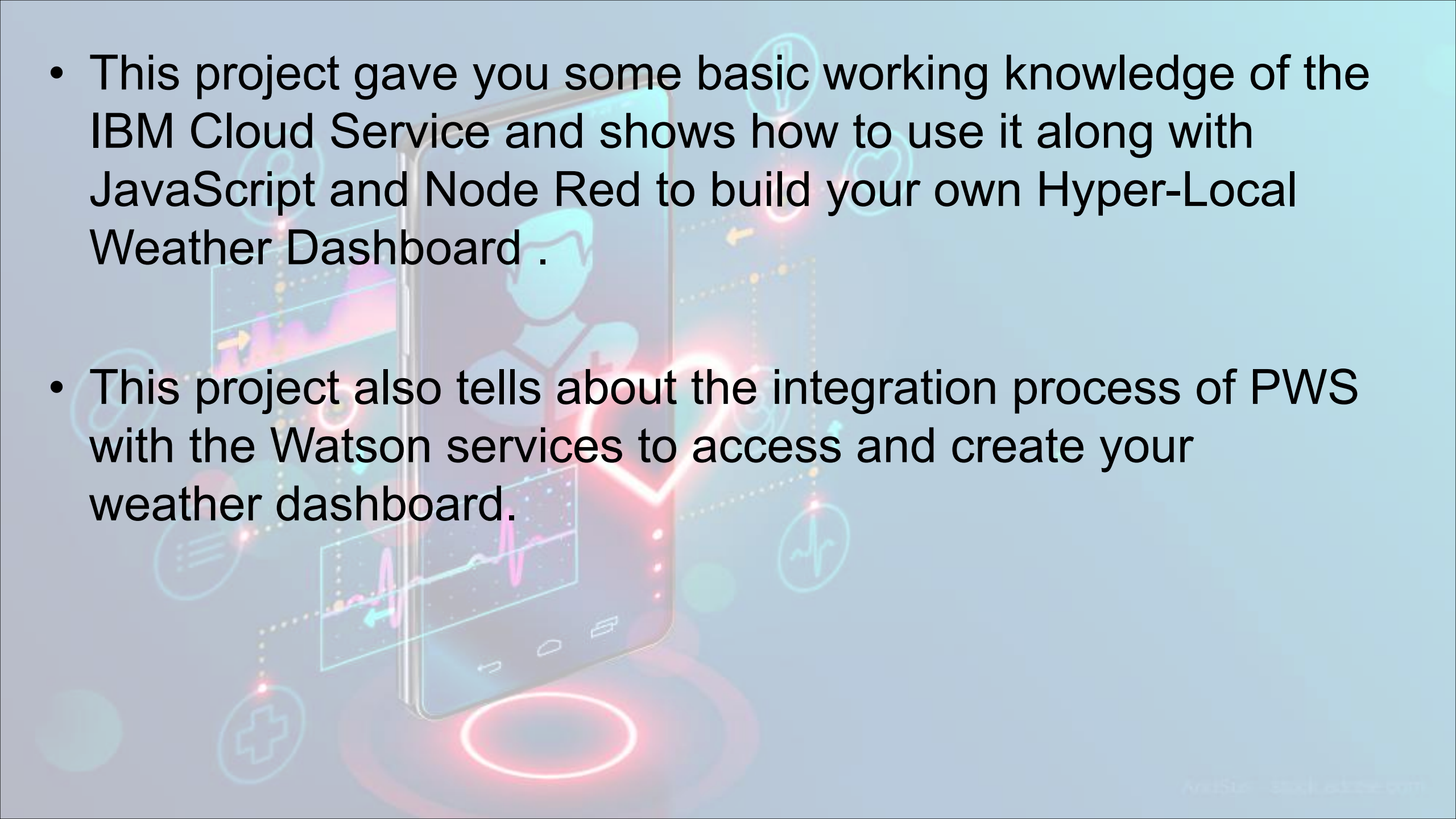


NODE RED on IBM CLOUD



- This project gave you some basic working knowledge of the IBM Cloud Service and shows how to use it along with JavaScript and Node Red to build your own Hyper-Local Weather Dashboard .

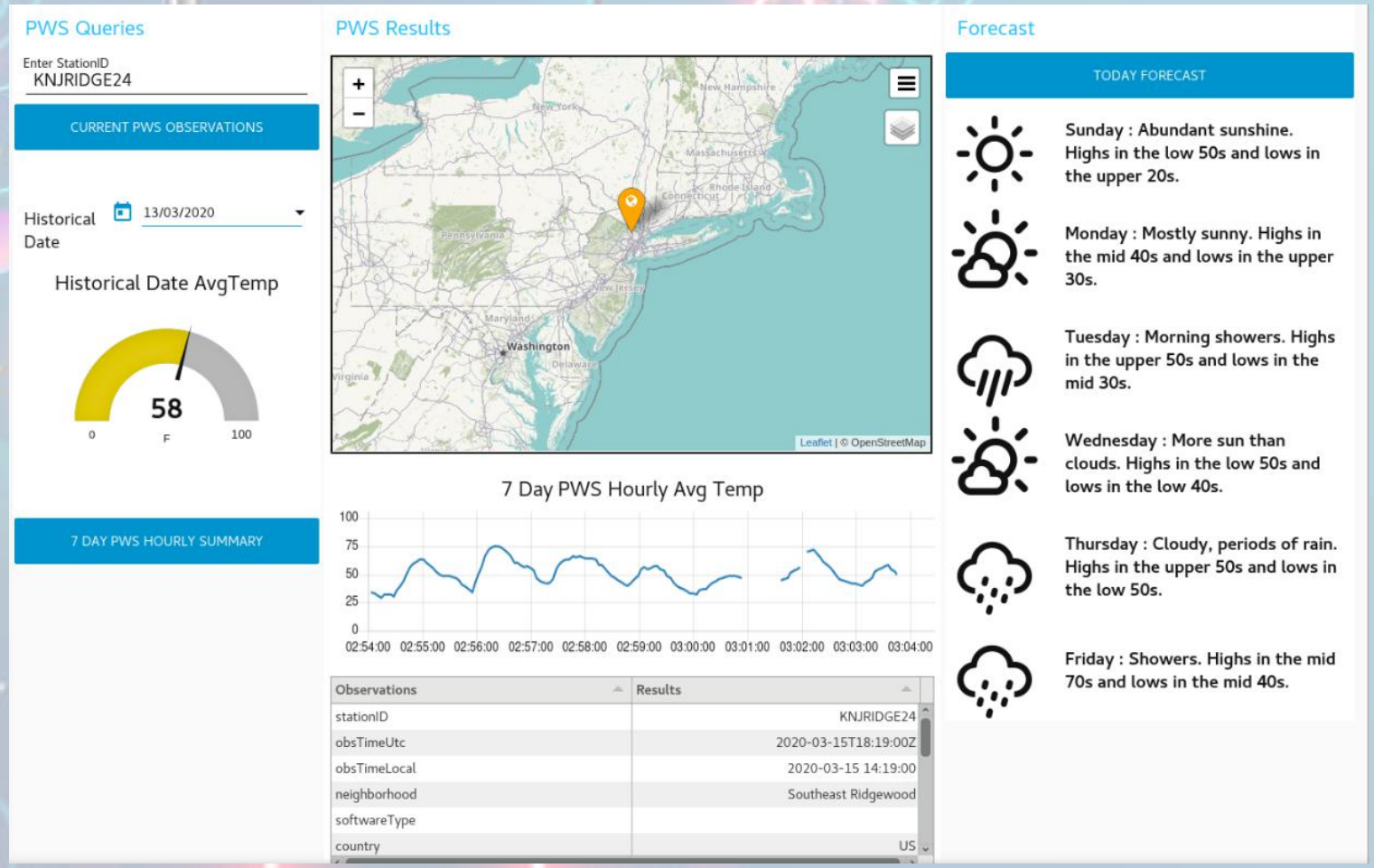
- This project also tells about the integration process of PWS with the Watson services to access and create your weather dashboard.



Now that the Node-RED node-red-contrib-twc-weather nodes are able to query weather data

- It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click.
- node-red-contrib-twc-weather
- node-red-dashboard
- node-red-node-ui-table
- node-red-contrib-web-worldmap

Display PWS Data In Your Weather Dashboard



CONCLUSION

- This project gave you some basic working knowledge of the IBM Cloud Service and shows how to use it along with JavaScript and Node Red to build your own Hyper-Local Weather Dashboard . This project also tells about the integration process of PWS with the Watson services to access and create your weather dashboard.

THANK YOU

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