

# WHY **Node-RED** ?

Safyzan Salim



**OpenJS**  
Foundation

# Get your notes here....

[\*\*https://github.com/ssalims/IKM-Selandar\*\*](https://github.com/ssalims/IKM-Selandar)

# Why Node-RED?

#1. Built on a battle-tested technology stack components.



Node.js



JavaScript



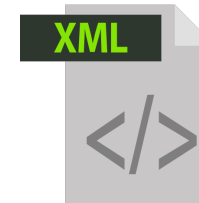
Web Browsers

# Why Node-RED?

## #2 Much more better than XML.



```
{ "employees": [
  { "firstName": "John", "lastName": "Doe" },
  { "firstName": "Anna", "lastName": "Smith" },
  { "firstName": "Peter", "lastName": "Jones" }
]}
```



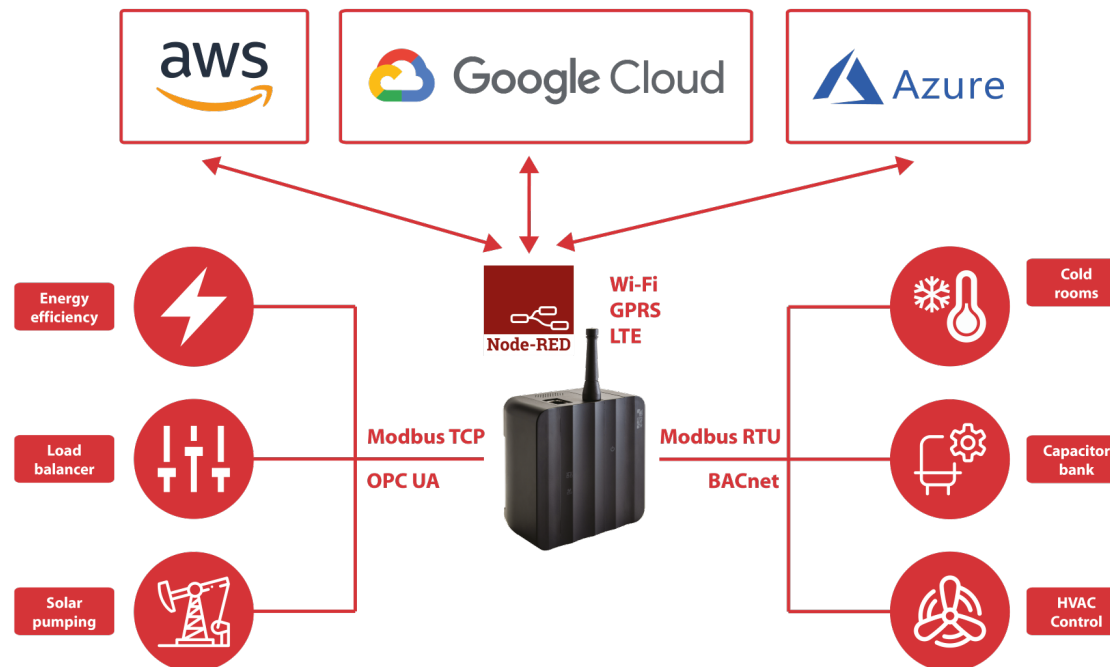
```
<employees>
  <employee>
    <firstName>John</firstName> <lastName>Doe</lastName>
  </employee>
  <employee>
    <firstName>Anna</firstName> <lastName>Smith</lastName>
  </employee>
  <employee>
    <firstName>Peter</firstName> <lastName>Jones</lastName>
  </employee>
</employees>
```

# Why Node-RED?

## #3. Visual the network edge (\*edge computing).

-1970, J Paul Morrison

-Breaks the problem up into data → processes that operate on that data → the network that connects processes together.



<https://jpaulm.github.io/fbp/>

[https://en.wikipedia.org/wiki/Flow-based\\_programming#/media/File:FBP\\_-\\_Standard\\_Update.png](https://en.wikipedia.org/wiki/Flow-based_programming#/media/File:FBP_-_Standard_Update.png)

<https://www.pickdata.net/news/edge-computing-node-red-implement-iot-your-company> Safyzan Salim

# Why Node-RED?

#4. It's not a toy.

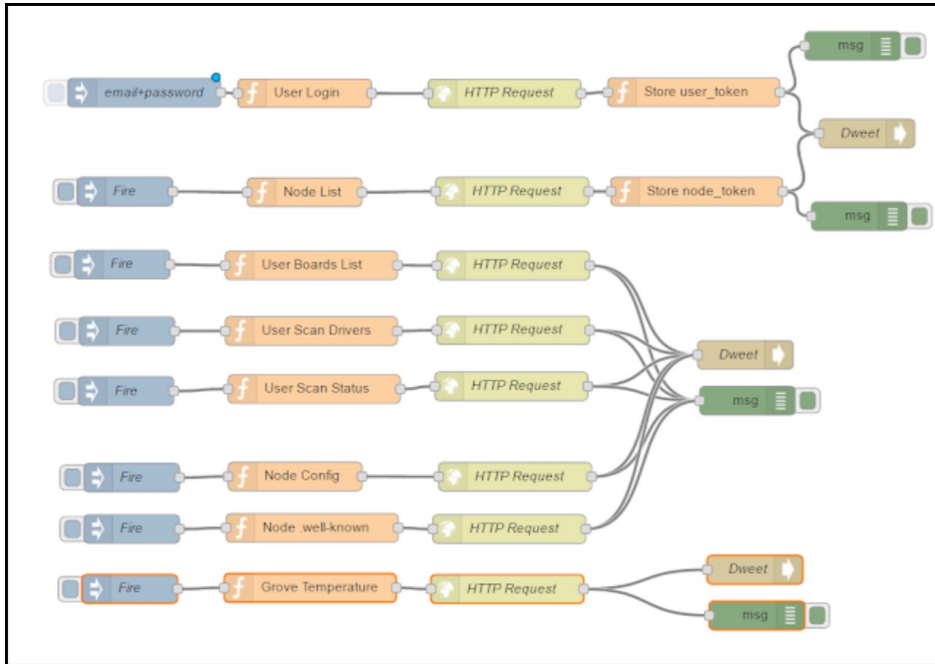


Check out the [Node-RED Starter](#) in IBM Cloud

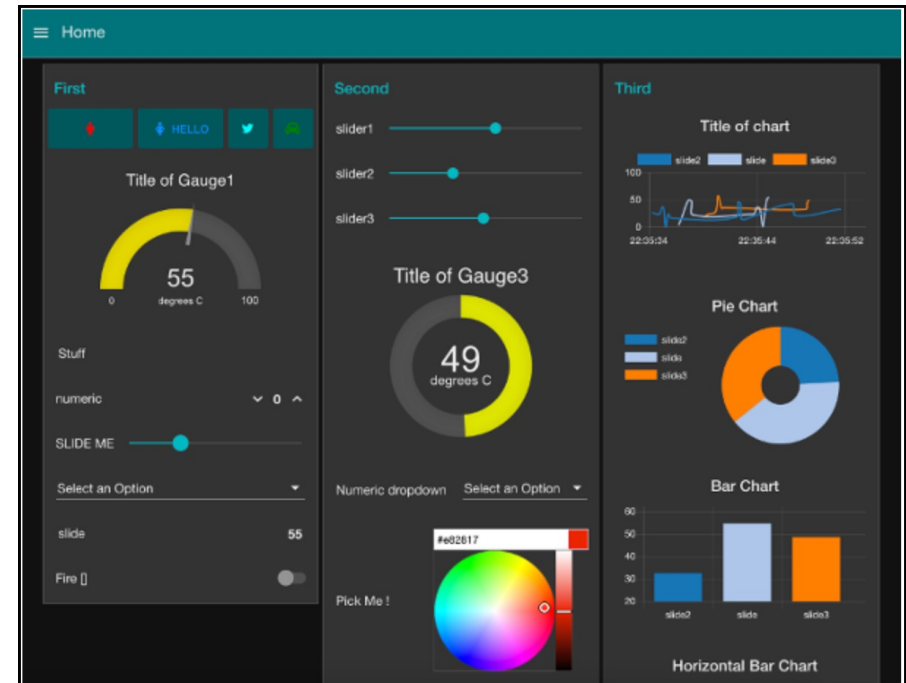


# Why Node-RED?

## #5. Not just for IoT.



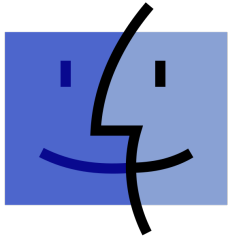
WIO Link - HTTP Requests from Node-RED



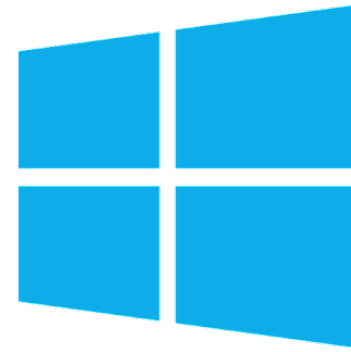
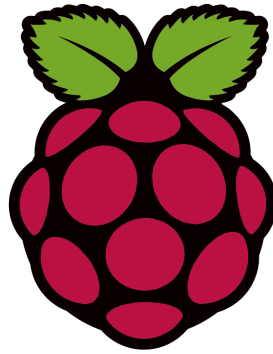
Open Dashboard Project

# Why Node-RED?

## #6. Cross platforms.



Mac OS





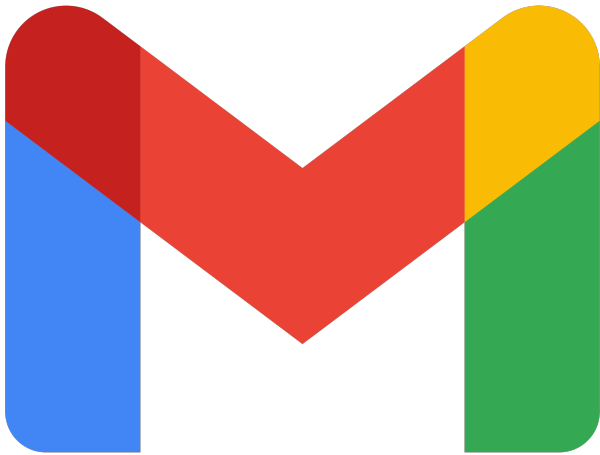
## Why Node-RED?

#7. Works well with other softwares.



# Why Node-RED?

## #8. Send notification.



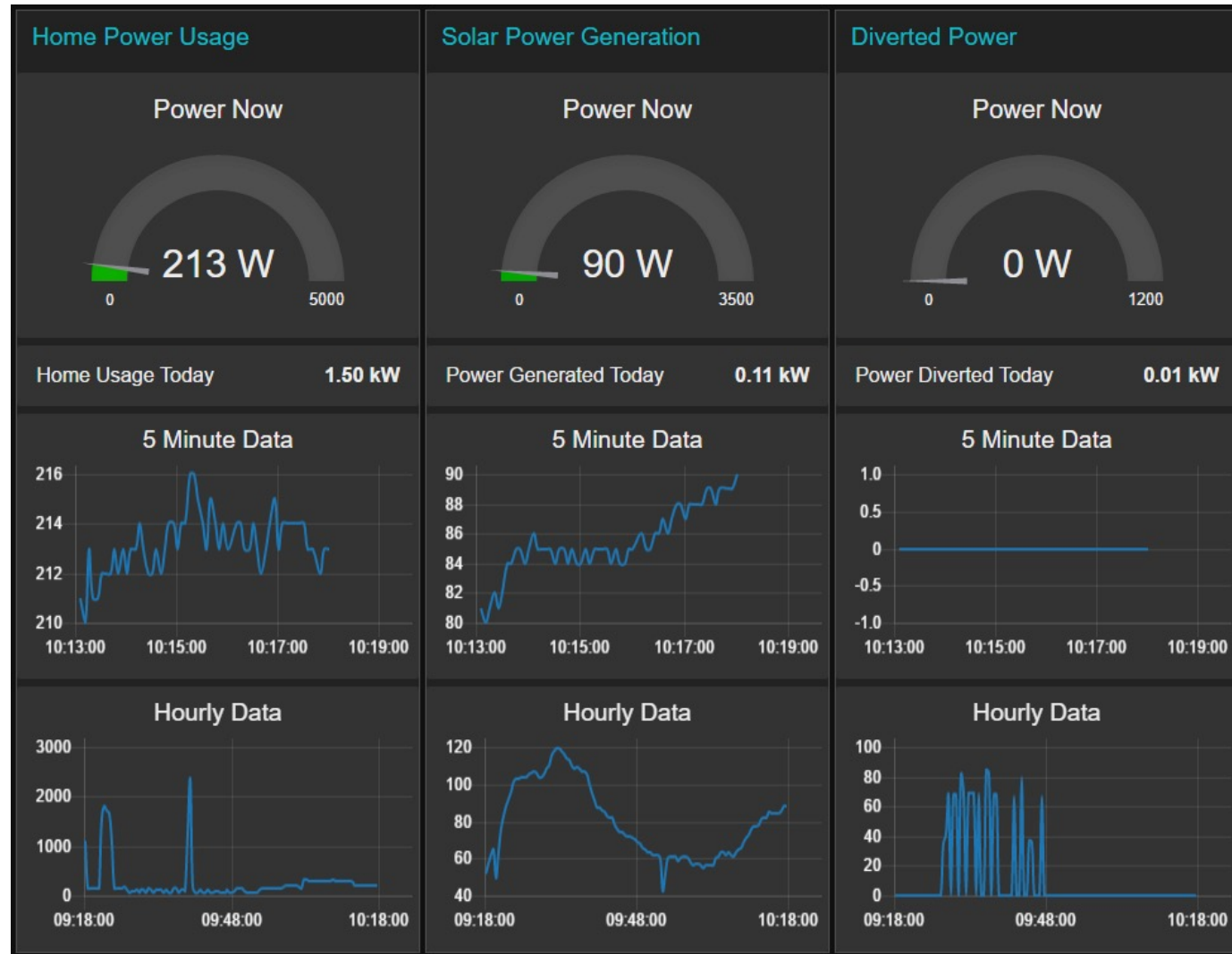
# Why Node-RED?

## #9. Application.



# Why Node-RED?

## #9. Application.



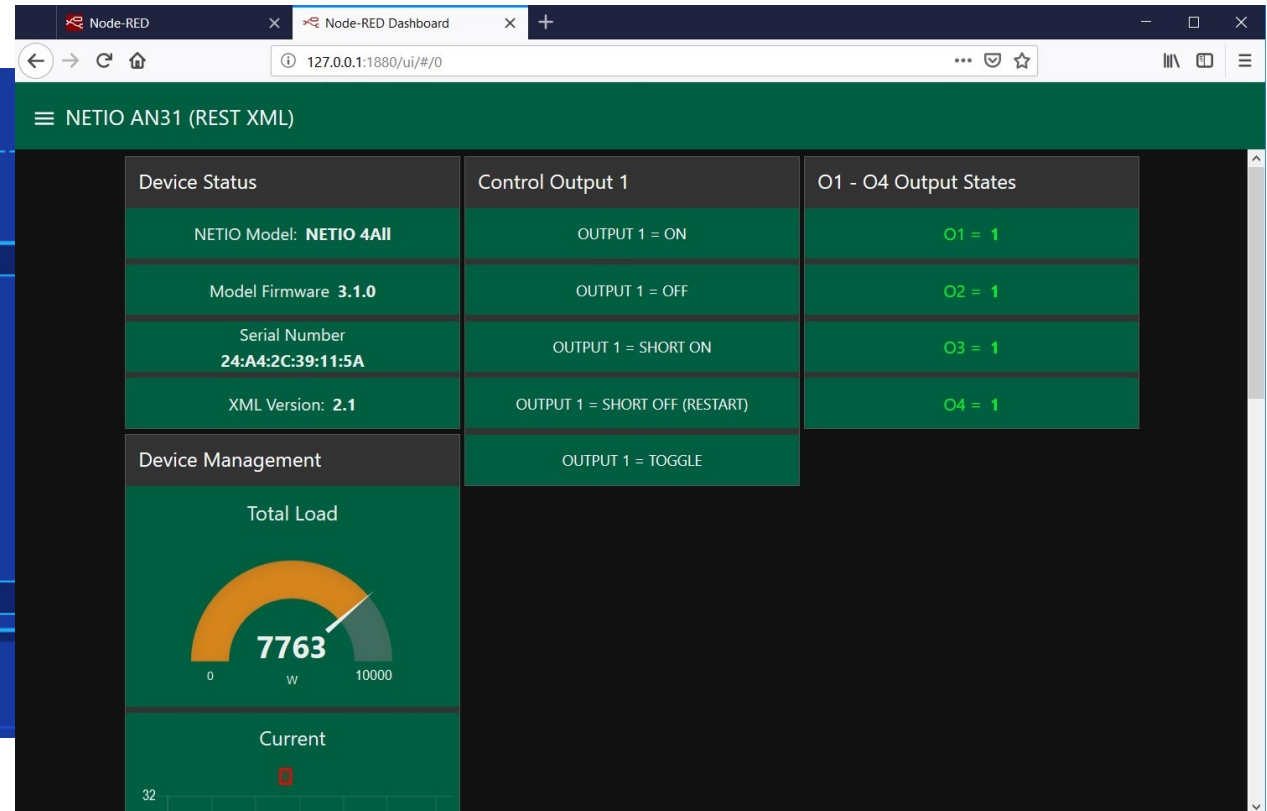
# Why Node-RED?

## #9. Application.

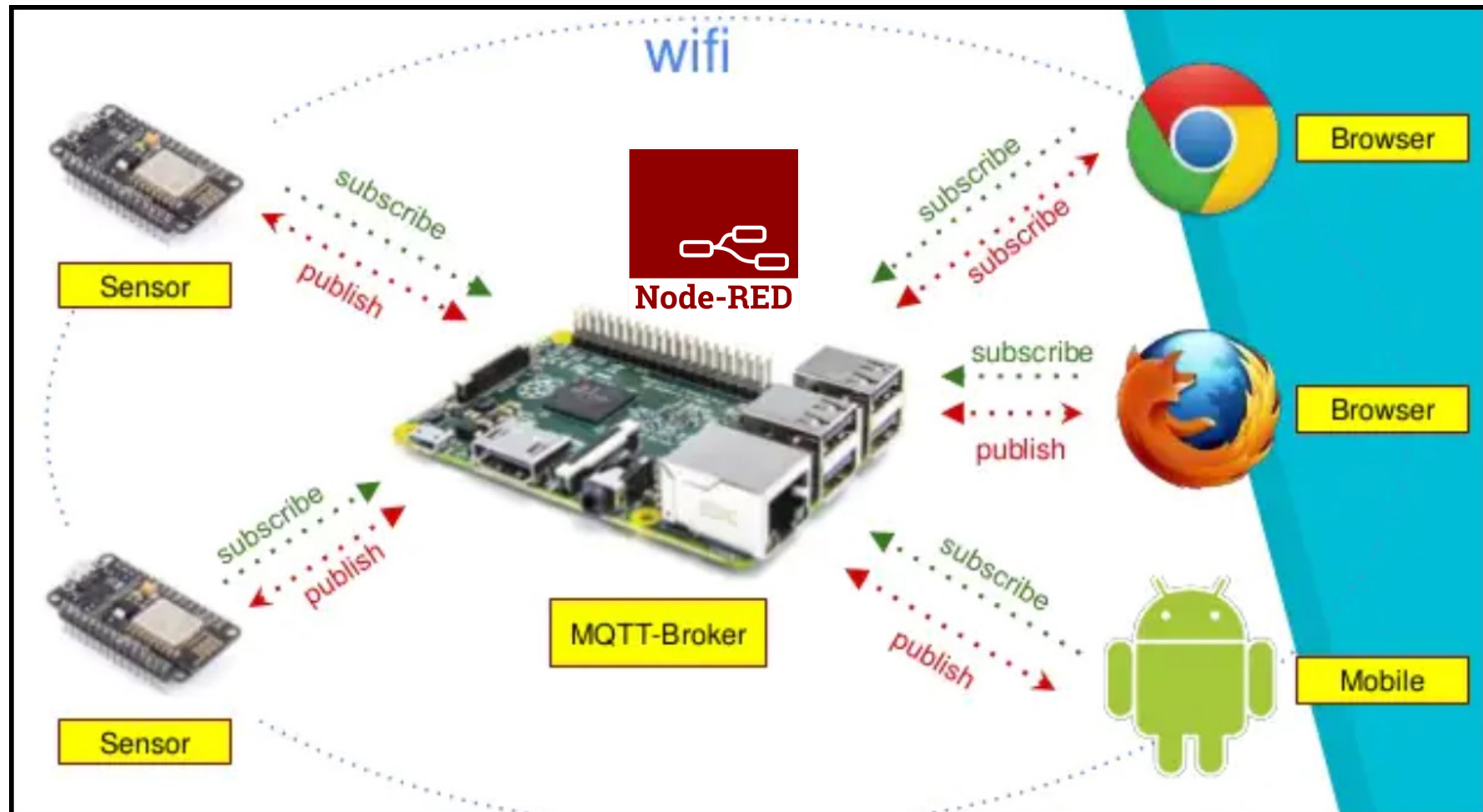


# Why Node-RED?

## #9. Application.



# The Idea of IoT



QUESTIONS

**END**