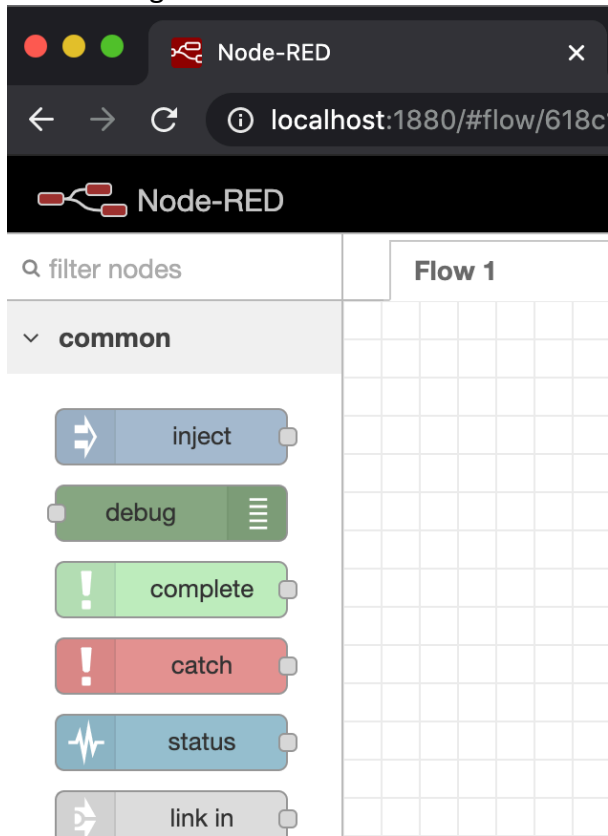


## Week 4 Wednesday – Taibah Valley – Task 8 – Connecting Node-RED Dashboard to MQTT Broker

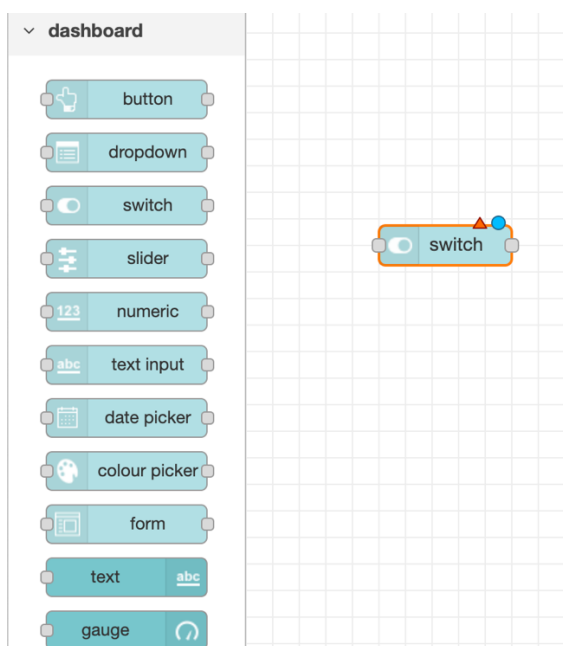
S. Y. Al-Kafrawi

1<sup>st</sup> of July 2020

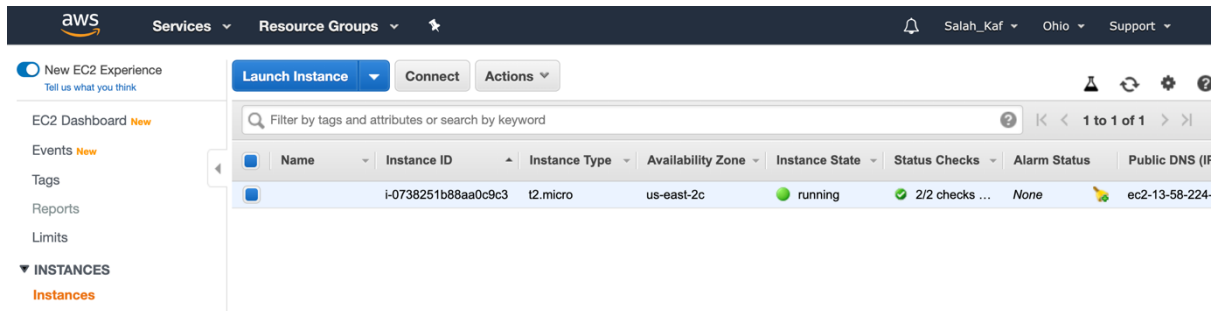
### 1 - Installing node-RED



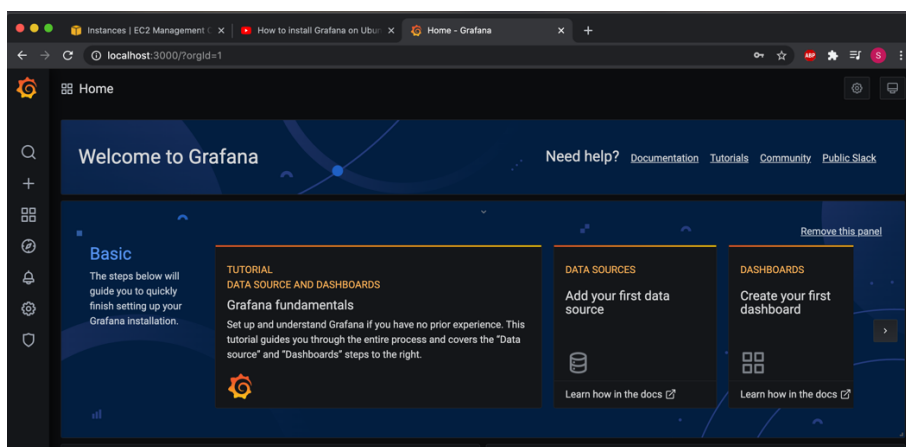
### 2 - Installing dashboard



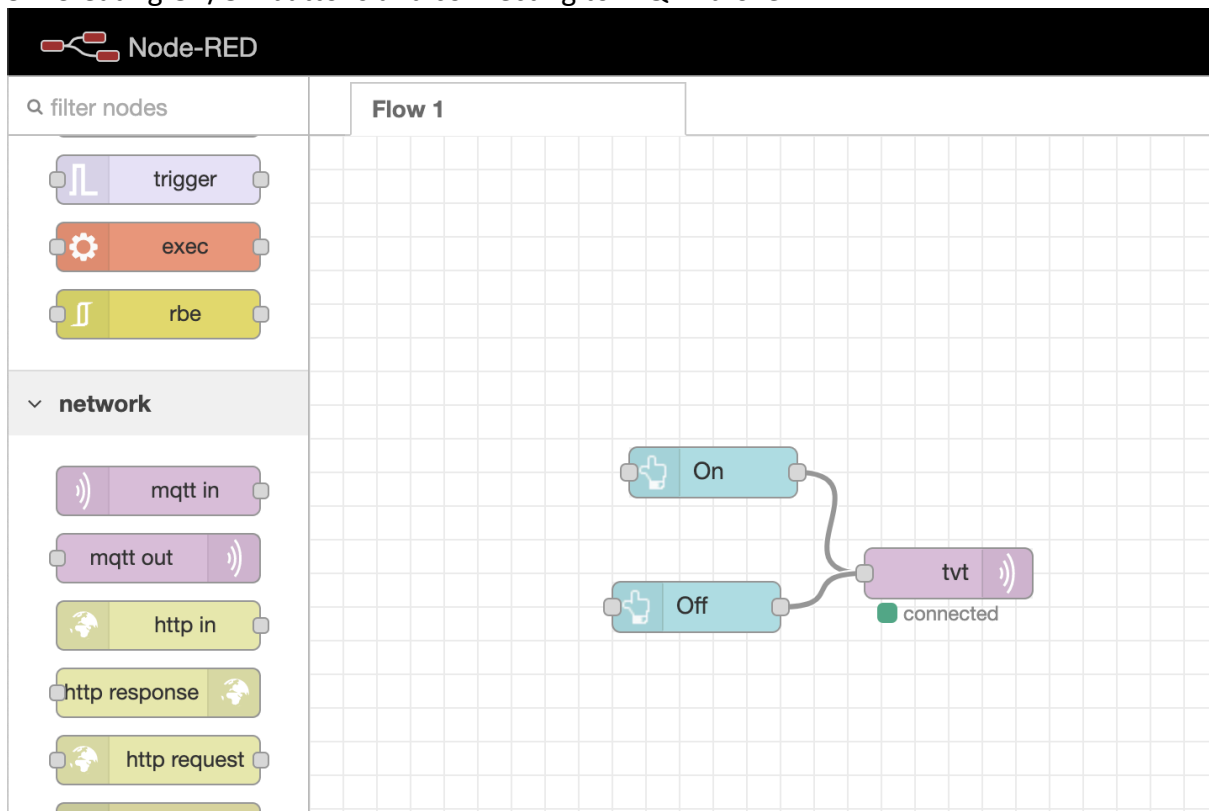
### 3 – Setting Up a virtual box on Amazon EC2 in case we wanted to use Grafana dashboard 24H



### 4 - Setting Up Grafana locally



### 5 – Creating On/Off buttons and connecting to MQTT broker



## 6 - MQTT settings

**Edit mqtt out node**

Delete

Cancel

Done

**Properties**

Server

mqtt.eclipse.org:1883

Topic

tvt

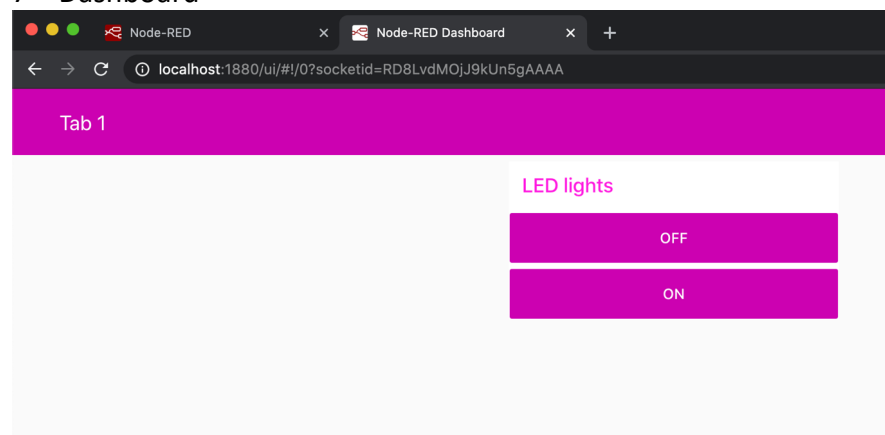
QoS

Retain

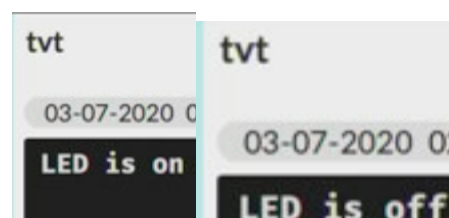
Name

Name

## 7 – Dashboard



## 8 – Messages received



## 9 – Demonstration Video

<https://www.youtube.com/watch?v=CcLjoTfoeYw>