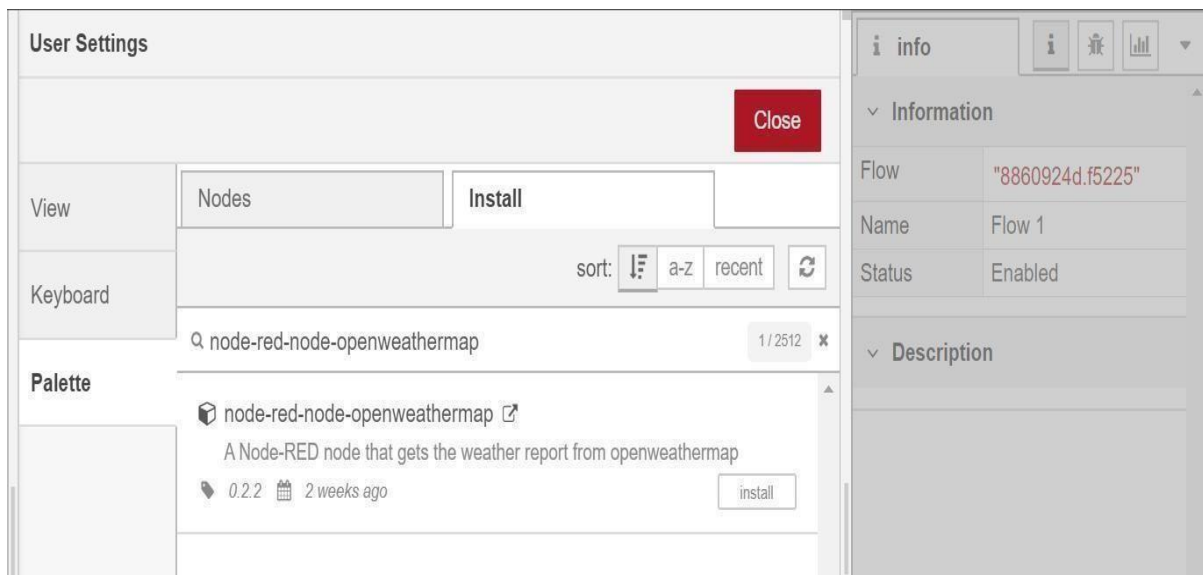


DEVELOP A WEB APPLICATION USING NODE-RED

Date	15 November 2022
Team ID	PNT2022TMID 42318
Project Name	Project – IOT Based Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

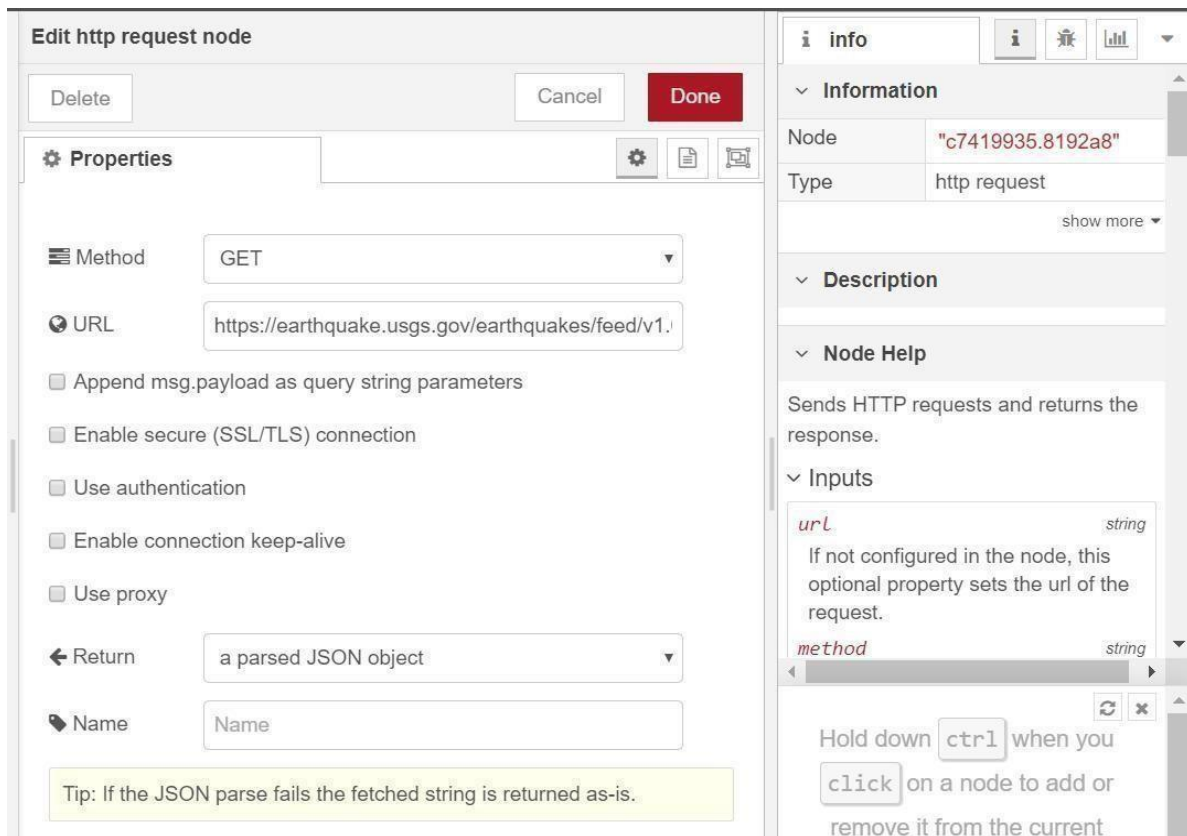
1. Double-click the tab with the flow name, and call it Earthquake Details.
2. Click the hamburger menu, and then click **Manage palette**. Look for **node-red-node- open weather map** to install these additional nodes in your palette.



Add an **HTTP input** node to your flow.

Double-click the node to edit it. Set the method to **GET** and set the URL to `/earthquakeinfo-hr`.

1. Add an **HTTP response** node, and connect it to the previously added **HTTP input** node. All other nodes introduced in this sub-section is to be added between the **HTTP input** node and the **HTTP response** node.
2. Add an **HTTP request** node and set the *URL* to `https://earthquake.usgs.gov/earthquakes/feed/v1.0/summary/all_hour.geojson`, the *Method* to **GET** and the *Return* to a **parsed JSON object**. This will allow extracting all earthquakes that occurred within the last hour. Name this node `Get`



Add a **change** node. Double-click the node to modify it. Name this node Set Earthquake Info. In

the **Rules** section, add

rule to **Delete** msg.topic, msg.headers, msg.statusCode, msg.responseUrl and msg.redirectList

and **Set** payload.features.

```
msg.payload
{
  "type":properties.type,
  "magnitude": properties.mag,
  "location": properties.place,
  "longitude":geometry.coordinates[0],
  "latitude":geometry.coordinates[1],
  "depth":geometry.coordinates[2],
  "timestamp": $fromMillis( properties.time,
```