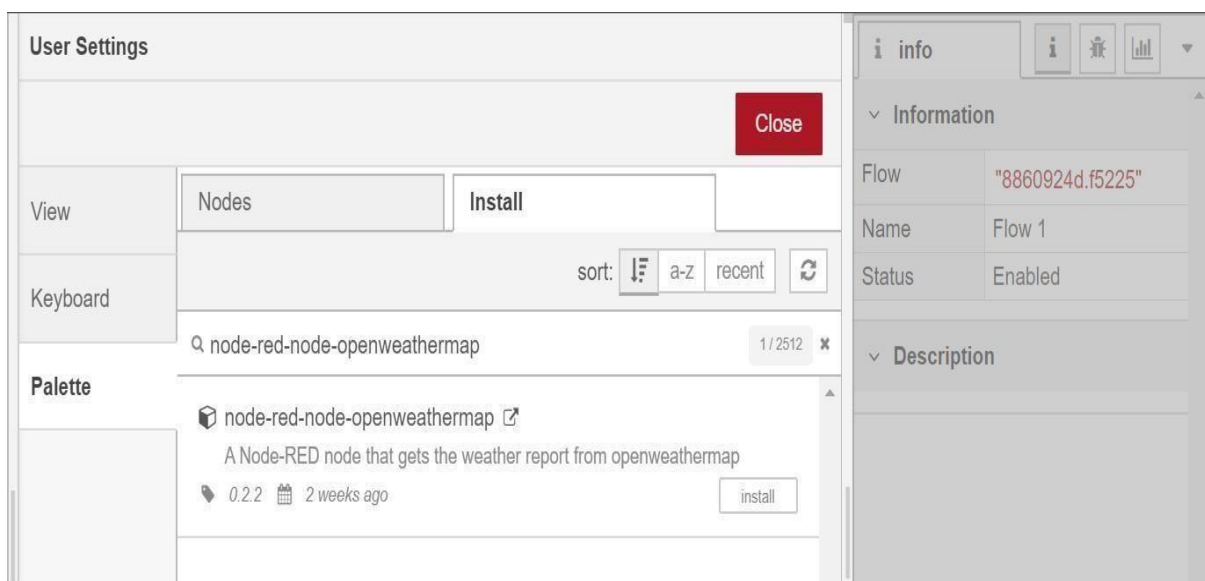


## DEVELOP A WEB APPLICATION USING NODE-RE

|               |   |
|---------------|---|
| Team ID       | PNT2022TMID11075  |
| 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`

Edit http request node

Delete

Cancel

Done

⚙️ Properties

⚙️ 📄 🖼️

Method

GET

URL

https://earthquake.usgs.gov/earthquakes/feed/v1.

☐ Append msg.payload as query string parameters
 ☐ Enable secure (SSL/TLS) connection
 ☐ Use authentication
 ☐ Enable connection keep-alive
 ☐ Use proxy

Return

a parsed JSON object

Name

Name

Tip: If the JSON parse fails the fetched string is returned as-is.

info

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Information

Node

"c7419935.8192a8"

Type

http request

show more

Description

Node Help

Sends HTTP requests and returns the response.

Inputs

url

string

If not configured in the node, this optional property sets the url of the request.

method

string

Hold down ctrl when you click on a node to add or remove it from the current

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,

```