# DEVELOP A WEB APPLICATION USING NODE-RED

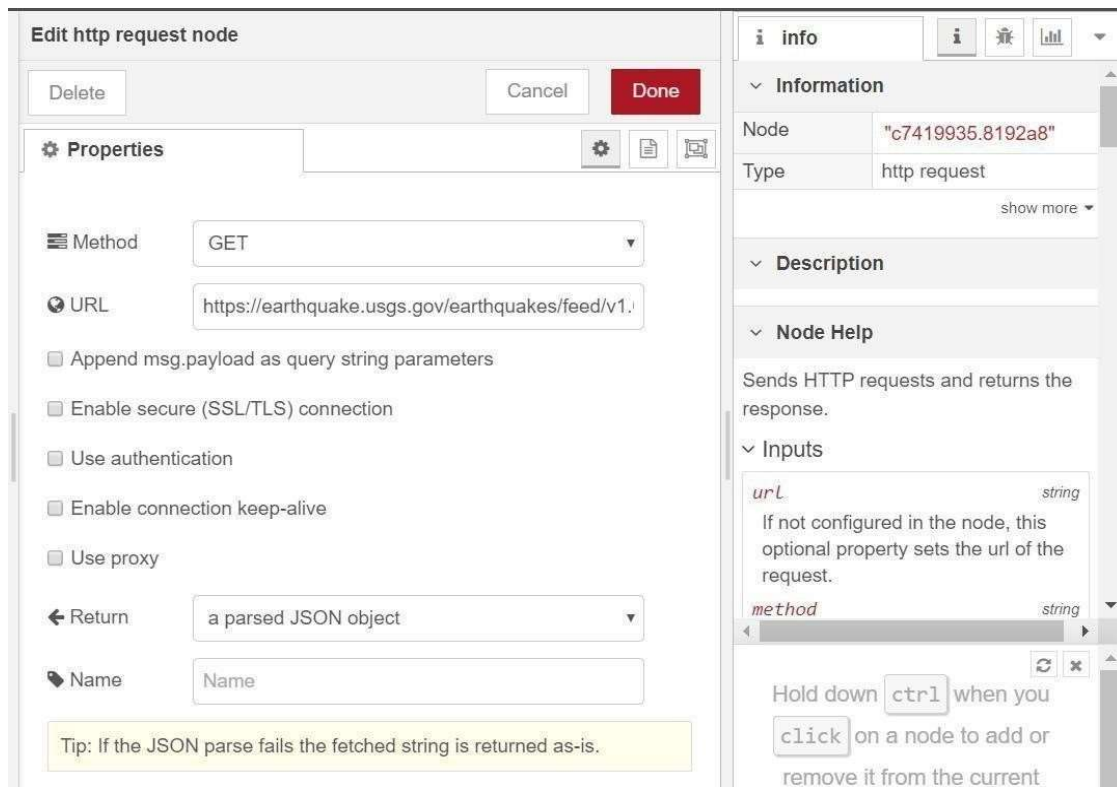| Date | 01 November 2022 |
|------|------------------|
| Team ID | PNT2022TMID10541 |
| Project Name | Real – Time River Water Quality Monitoring and Control System |
| Maximum Marks | 4   Marks |

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.
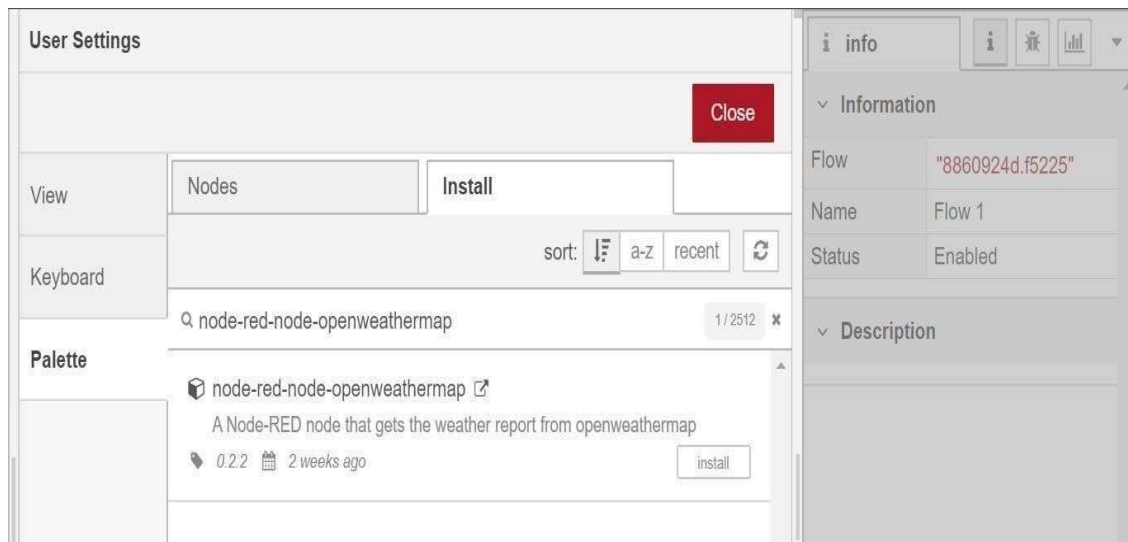


Add an **HTTP input** node to your flow.

> 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.

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**i info**    i 🐞 📊 ▼

**∨ 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

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

the **Rules** section, addes
rul to *Delete* `msg.topic`,         `msg.headers`, `msg.statusCode`, `msg.responseUrl` and
`msg.redirectLis`

t     and     *Set*d `payload.features.`
`msg.payloa`

```
{
    "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,
```