

DEVELOP A WEB APPLICATION USING NODE-RED

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Team ID	PNT2022TMID29879
Project Name	Project-Real-time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

The screenshot shows the 'User Settings' dialog in Node-RED. The 'Nodes' tab is selected, displaying a search bar with the text 'node-red-node-openweathermap'. Below the search bar, a list of nodes is shown, including 'node-red-node-openweathermap' with a description: 'A Node-RED node that gets the weather report from openweathermap'. The version '0.2.2' and '2 weeks ago' are also visible. A red 'Close' button is in the top right corner.

The screenshot shows the 'Edit http request node' dialog. The 'Properties' tab is active, showing the following settings:

- 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

A tip at the bottom states: 'Tip: If the JSON parse fails the fetched string is returned as-is.'

The right sidebar shows the 'info' panel with the following information:

- Information:** Node ID is 'c7419935.8192a8', Type is 'http request'.
- Description:** Sends HTTP requests and returns the response.
- Node Help:** Provides details about the node's functionality.
- Inputs:** Lists 'url' (string) and 'method' (string) as optional inputs.

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,
```