

# How to Build Node-RED –Email Attack



v1 jan 2020 : v2 mar 2021  
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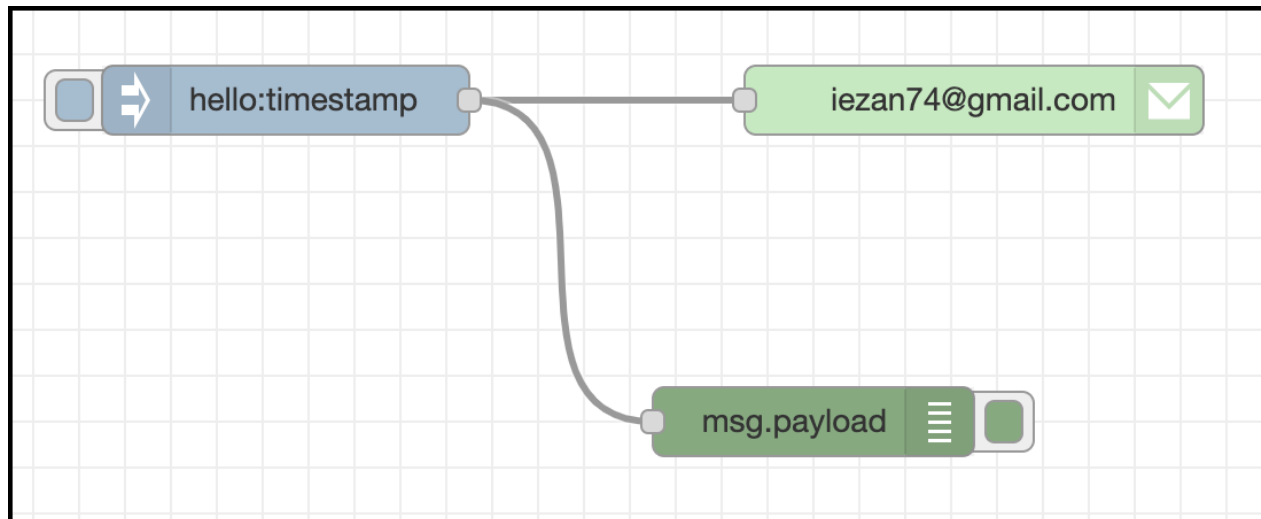
## SCENARIO: Sending Information to Email

Create 1 new Gmail account which later will be used as sender/source & for receiving email, you may use you existing email.

Develop a simple solution that will send an email to the with the content of you names and staff id.

The email will send automatically every 30 seconds. The email sent must be shown at **debug** window.

Note: Open new Flow



## SCENARIO: Sending Information to Email

### 1. Install **email** palette.

The screenshot shows the Node-RED web interface in a browser. The address bar displays `127.0.0.1:1880/#flow/2f3d1b69.7b8144`. On the left sidebar, the 'User Settings' panel is open, and the 'Nodes' tab is selected. A search bar at the top of the nodes list contains the text 'email', and the results are sorted by 'a-z'. Three nodes are listed in the 'Nodes' palette:

- node-red-node-email**: Node-RED nodes to send and receive simple emails. Version 1.7.8, installed 2 months ago. Status: **installed**.
- node-red-contrib-email-out**: Node-RED contrib nodes to send simple emails with output. Version 0.1.1, installed 2 years, 6 months ago. Status: **install**.
- node-red-contrib-email-validator**: Node-RED Contribution - Email Validator. Version 0.2.0, installed 3 weeks ago. Status: **install**.

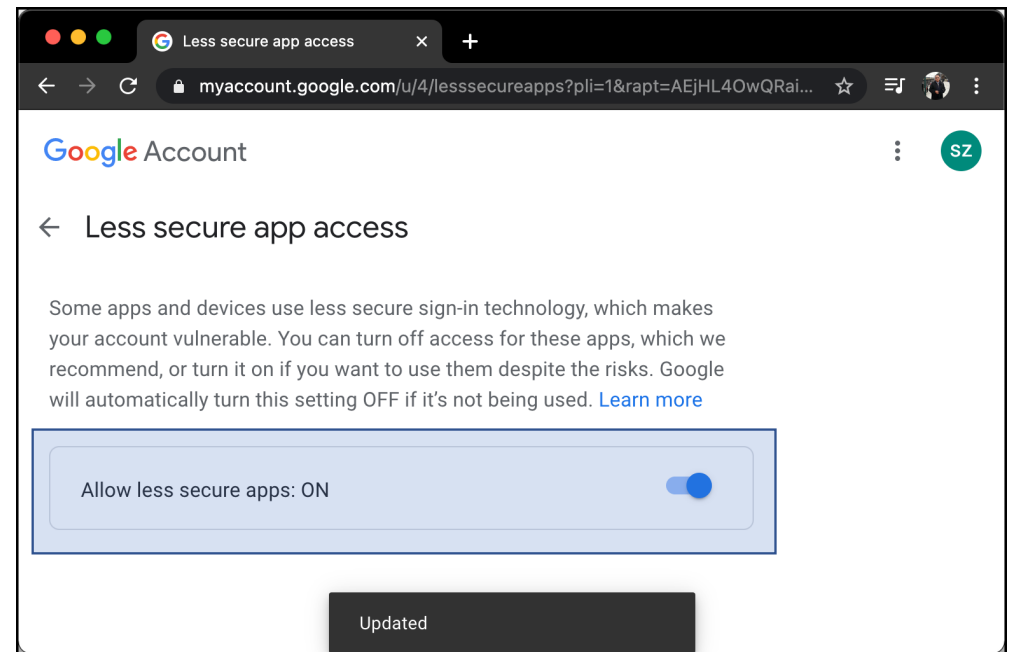
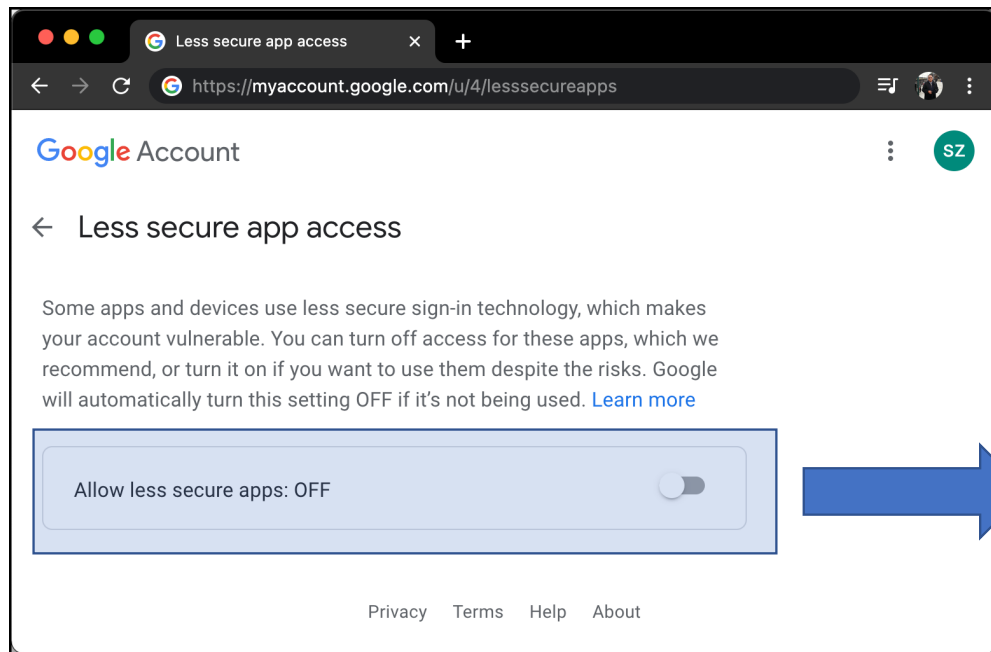
A green-bordered tooltip box is overlaid on the 'Nodes' panel, displaying the message: 'Nodes added to palette:' followed by a bulleted list:

- e-mail
- e-mail in

The right sidebar shows the 'Flow Information' panel with details for the current flow: '2f3d1b69.7b8144', 'Flow 3', and 'Enabled'.

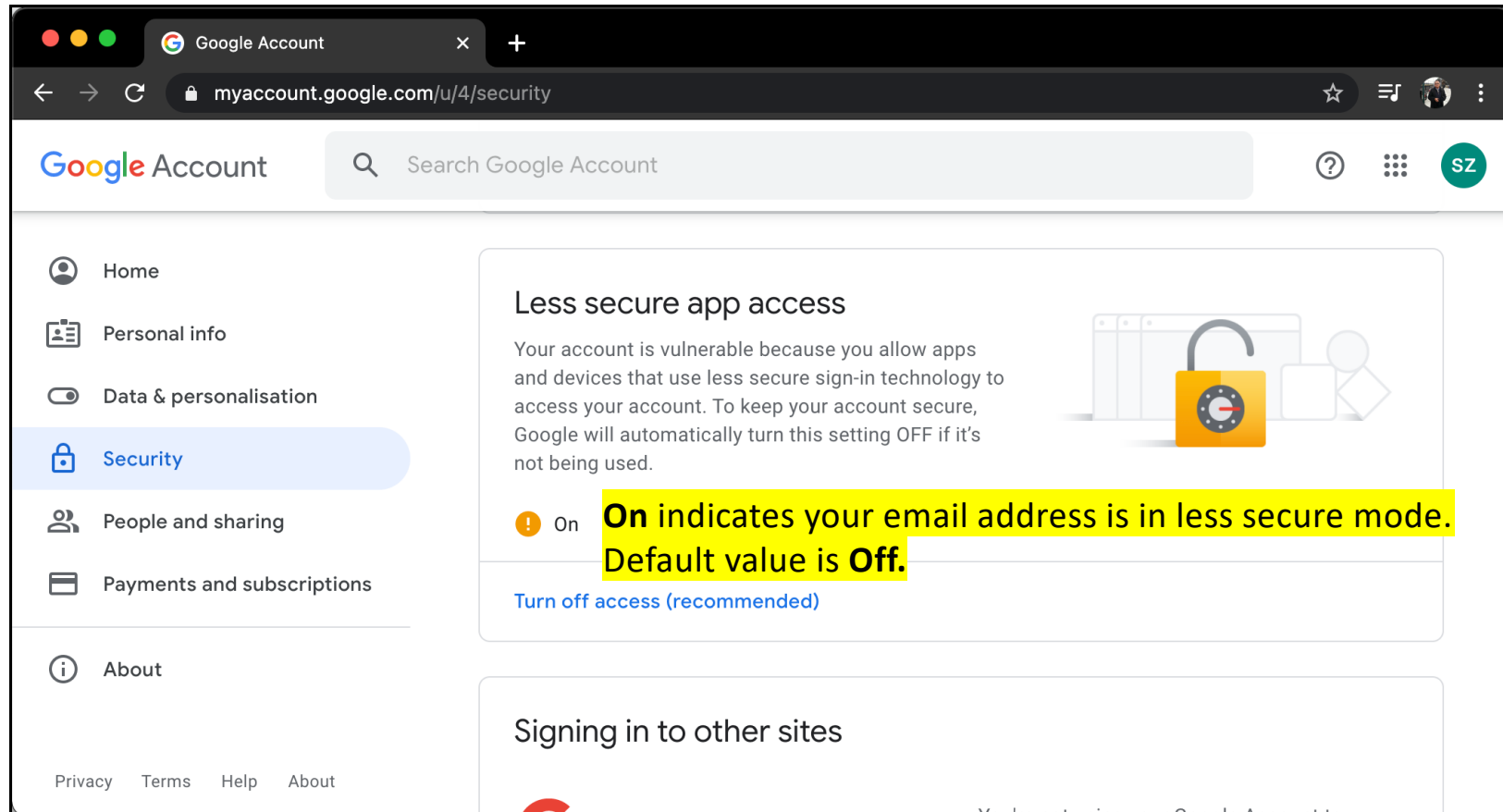
## SCENARIO: Sending Information to Email

**Note:** Make sure to allow less secure apps. Refer to the following link:  
<https://myaccount.google.com/lesssecureapps?pli=1>



## SCENARIO: Sending Information to Email

**OR** find **Manage GOOGLE Account >> Security >> Less secure app access**



## SCENARIO: Sending Information to Email

Add the following nodes:

- >> Inject
- >> Debug
- >> Send Email

Connect as in Figure i.

Double click inject node to edit. Refer the settings at Figure ii.

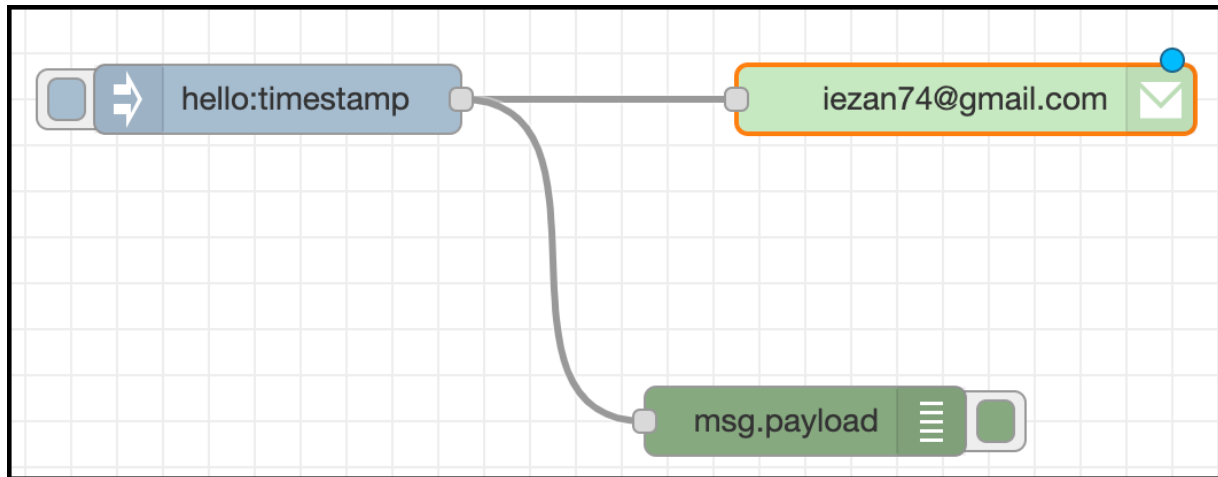


Figure i

**Edit inject node**

Delete Cancel Done

**Properties**

Name

msg. payload = timestamp

msg. topic = hello

+ add

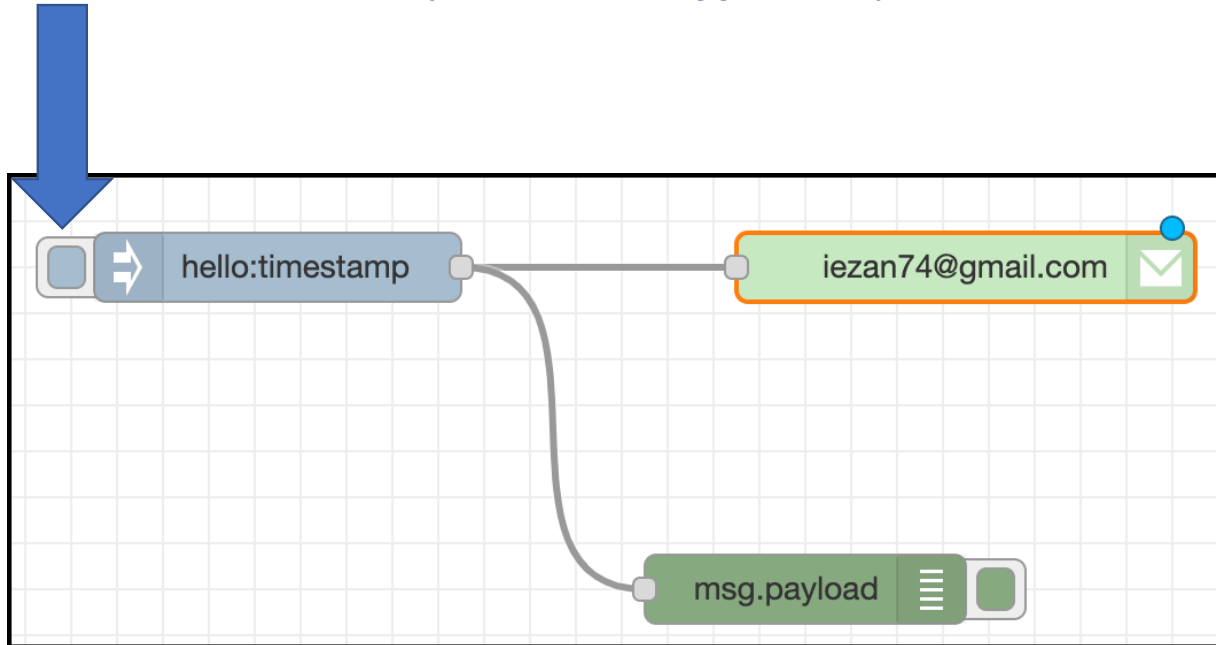
Figure ii

## SCENARIO: Sending Information to Email

Double click email node to edit. Refer the settings at Figure 2iii & click Done.

Click Deploy to update & save the project.

Click at left part of the inject node to trigger the system.



**Edit email node**

Delete Cancel Done

**Properties**

To iezan74@gmail.com

Server smtp.gmail.com

Port 465 ☒ Use secure connection.

Userid scriptworkz.gmi21@gmail.com

Password .....

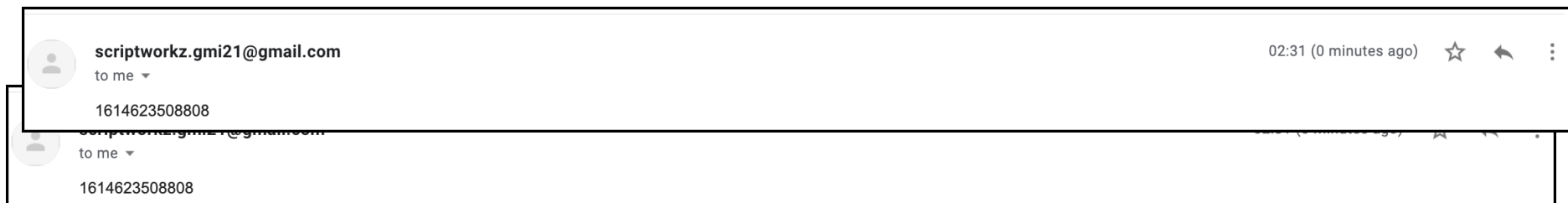
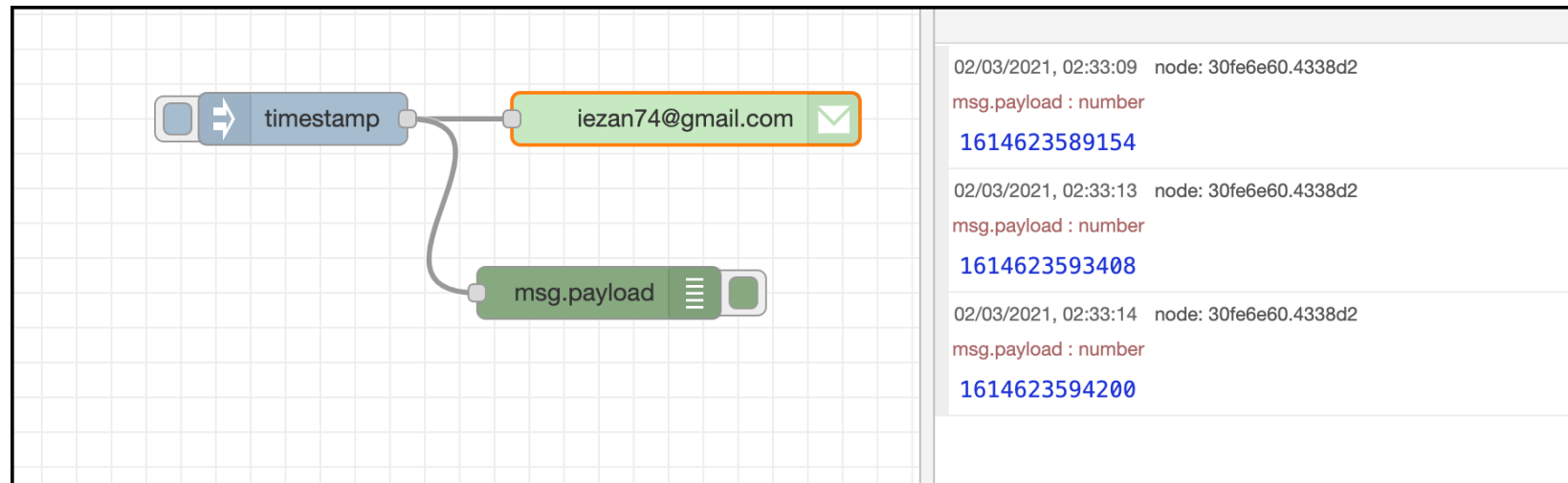
Use TLS? ☒

Name Name

Figure 2iii

## EXERCISE 2: Sending Alert to Email

The output:





QnA

**END**

Dashboard

>> Layout >> Set Tab >> Set Group