

# Node-RED: The GUI

APPLICATION INTERFACE CONTROLLER

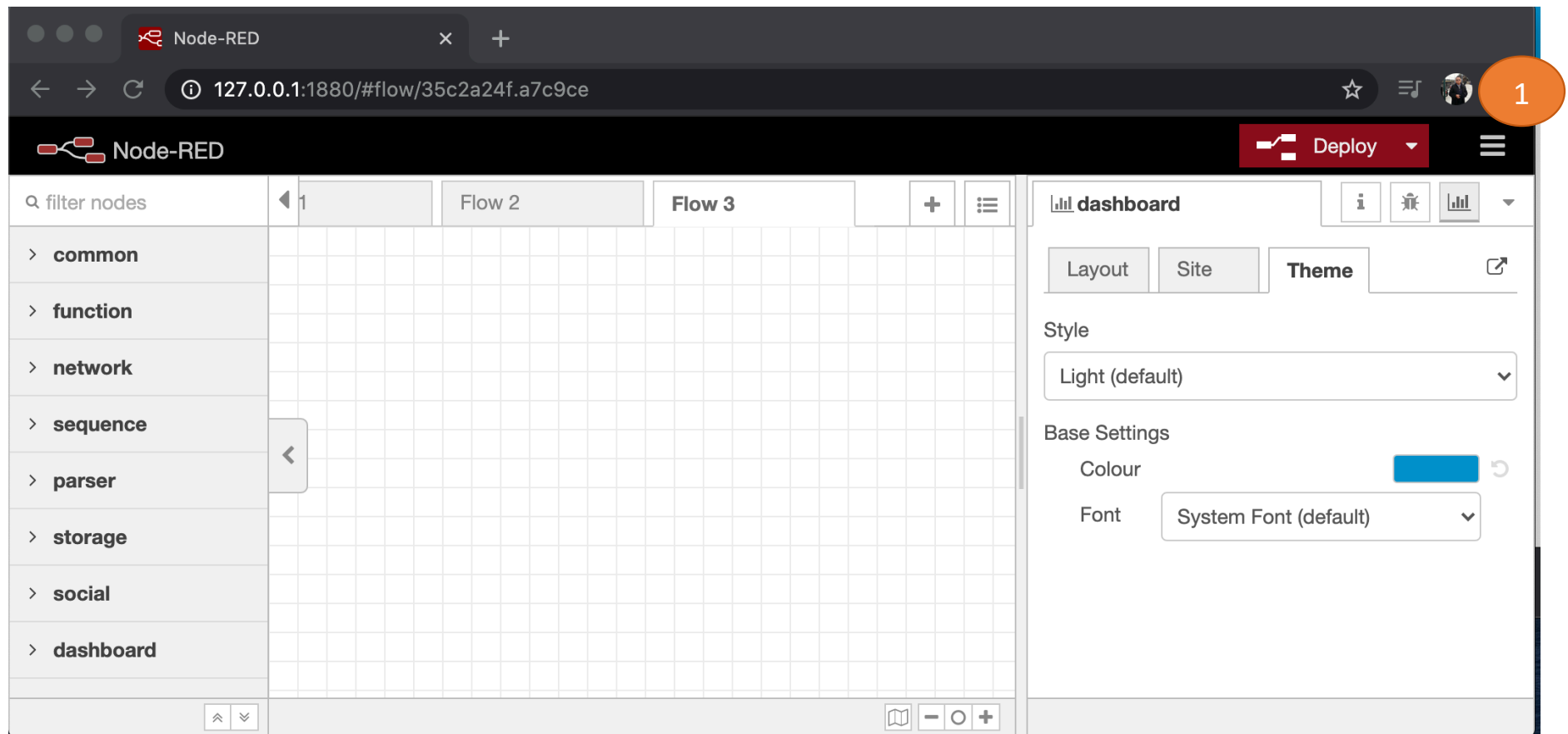
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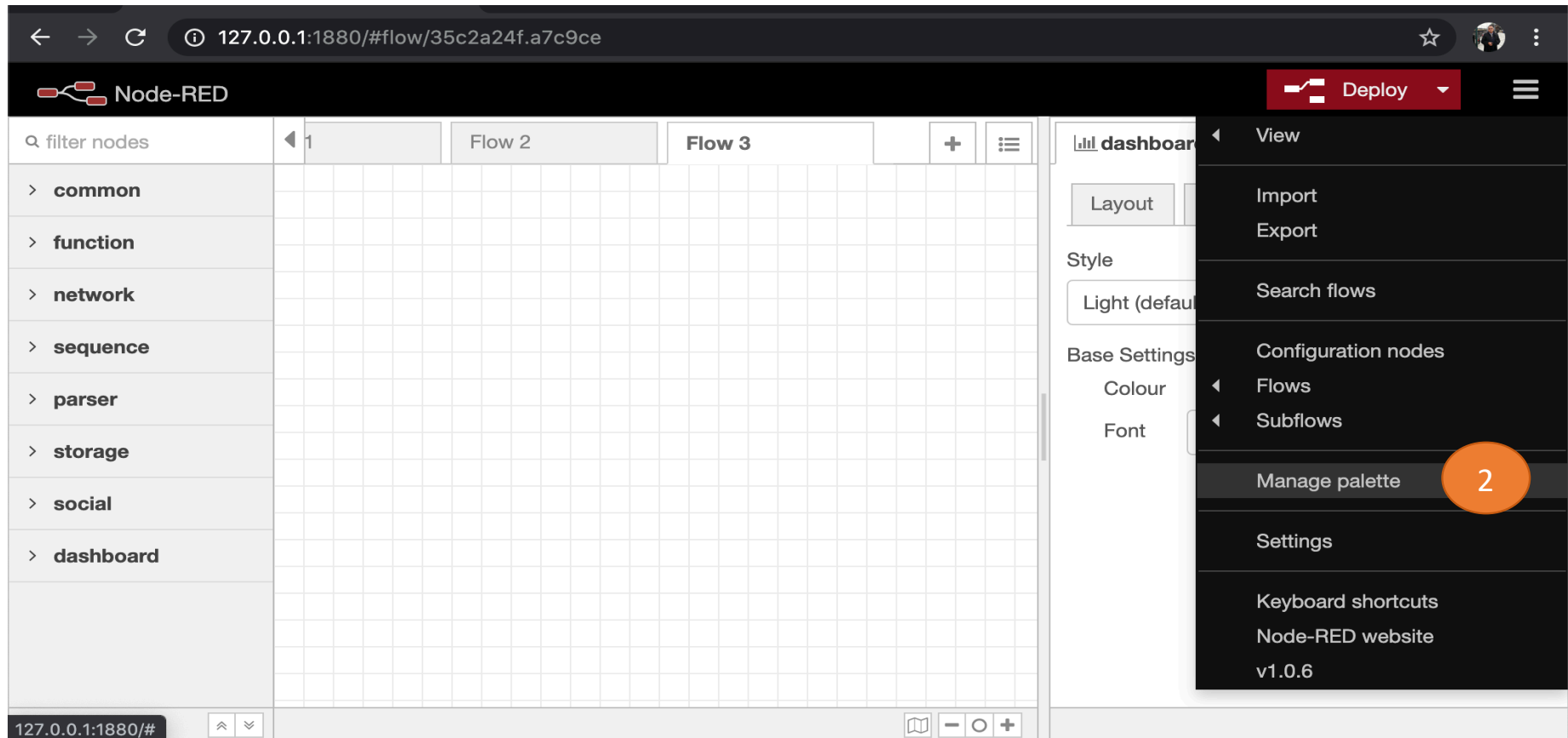
Safyzan Salim



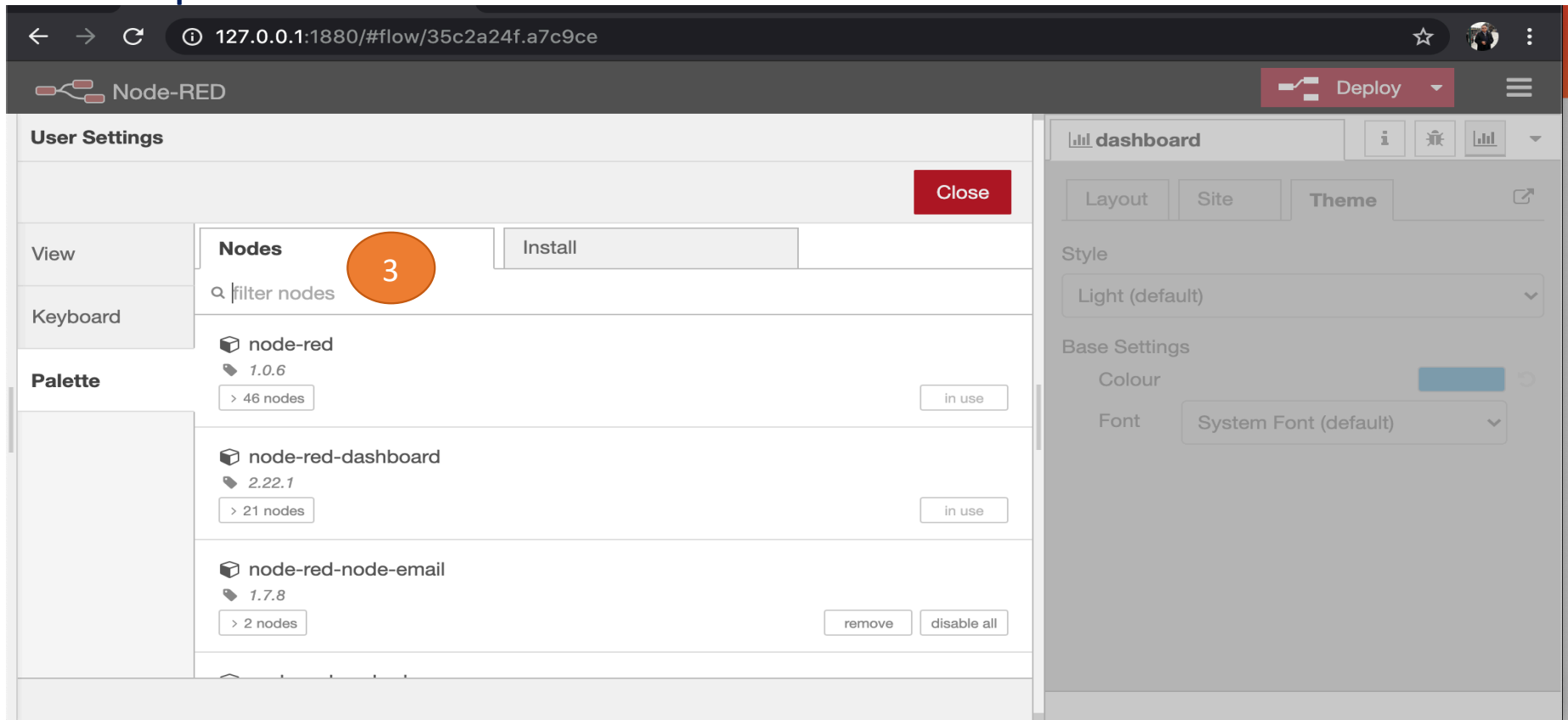
# 1. Go to menu to install Dashboard palette.



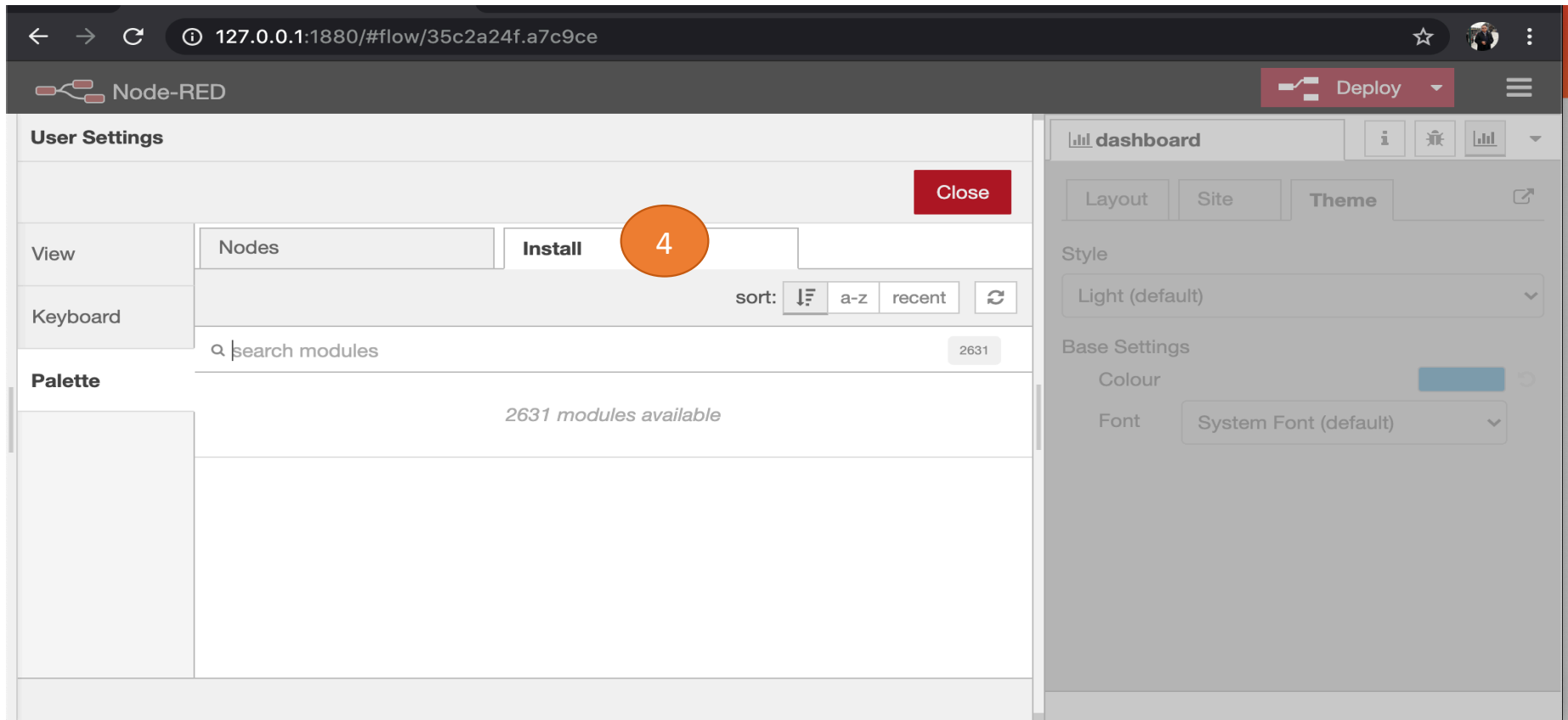
## 2. Select Manage palette.



3. Nodes tab shows Installed and in use palette. User can also remove the unwanted palette from this tab.

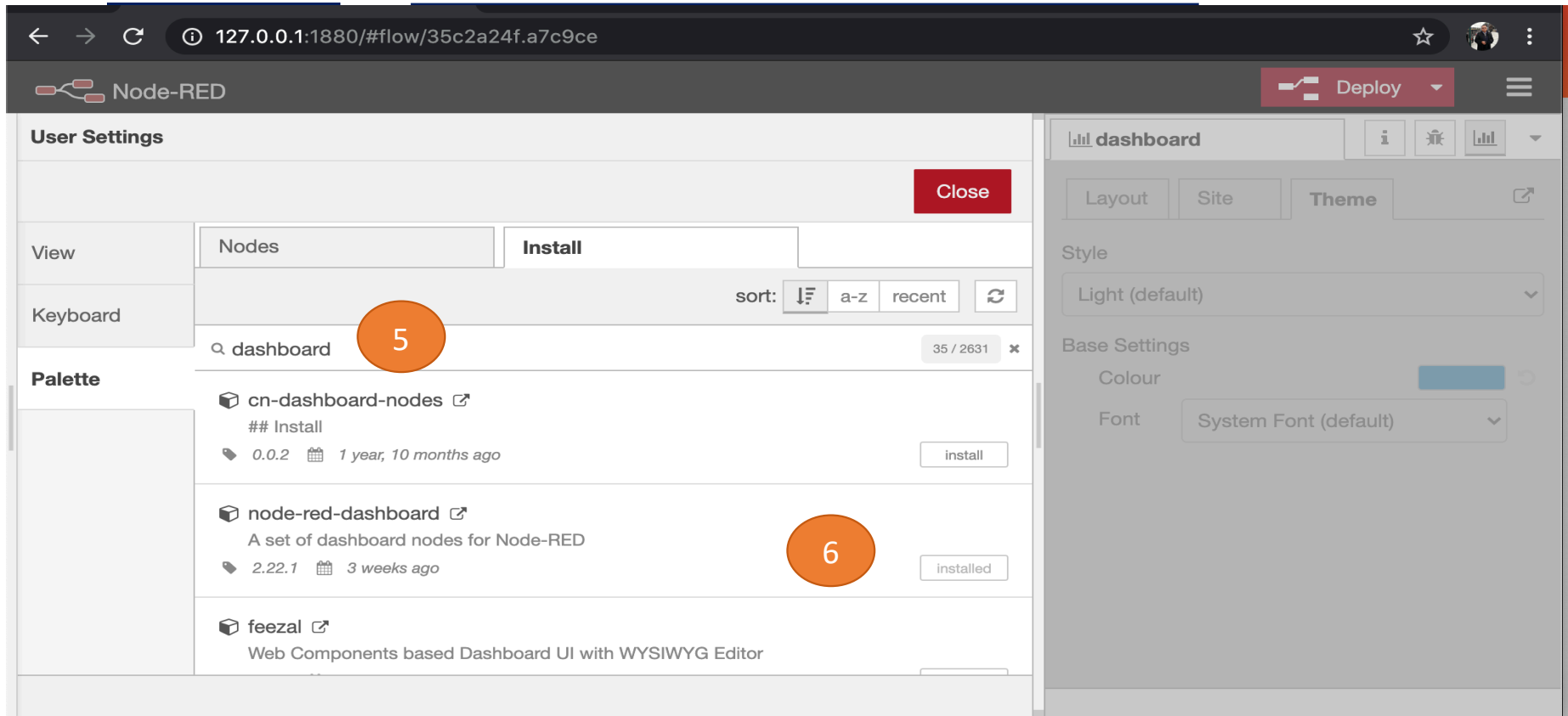


4. Install tab is used to search and install new palette.

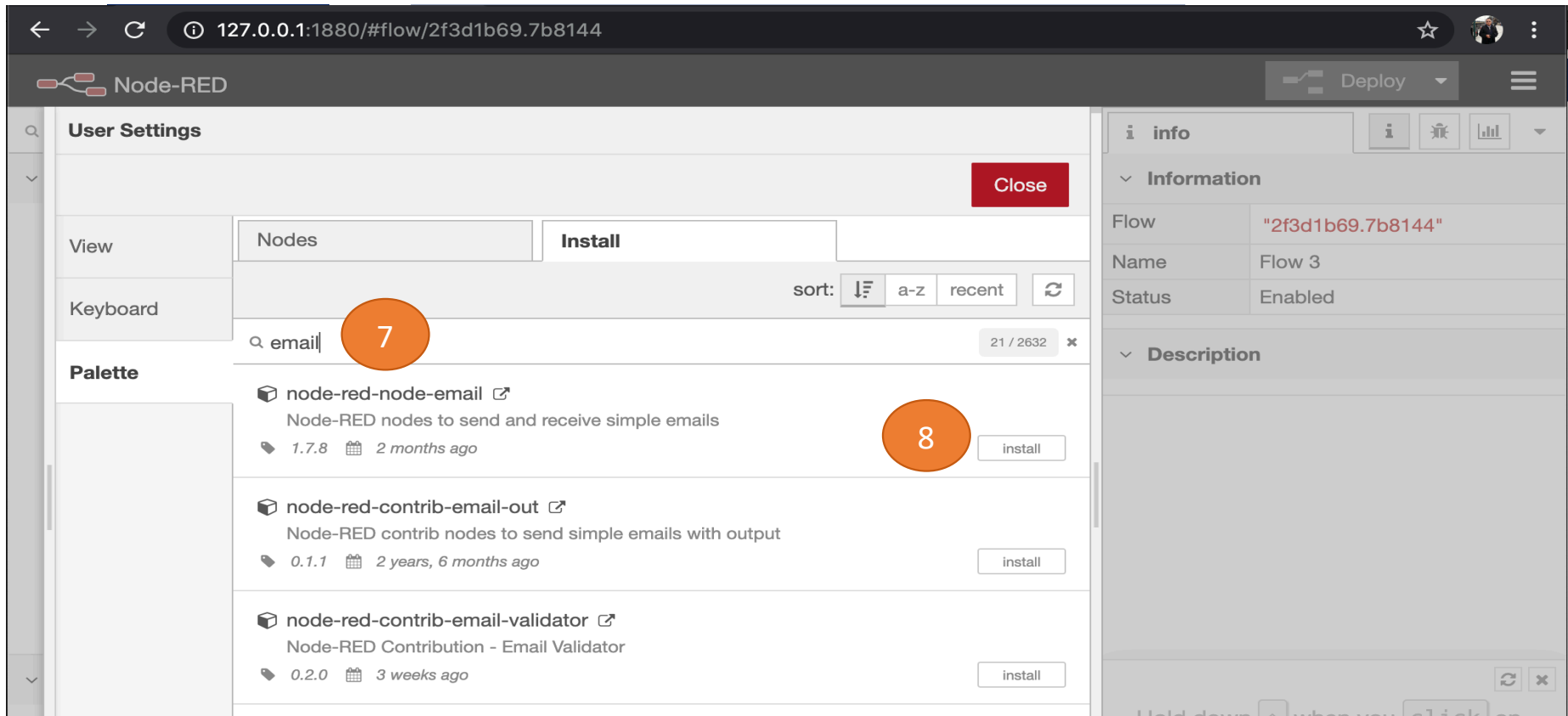


5. Go to search module and type dashboard.

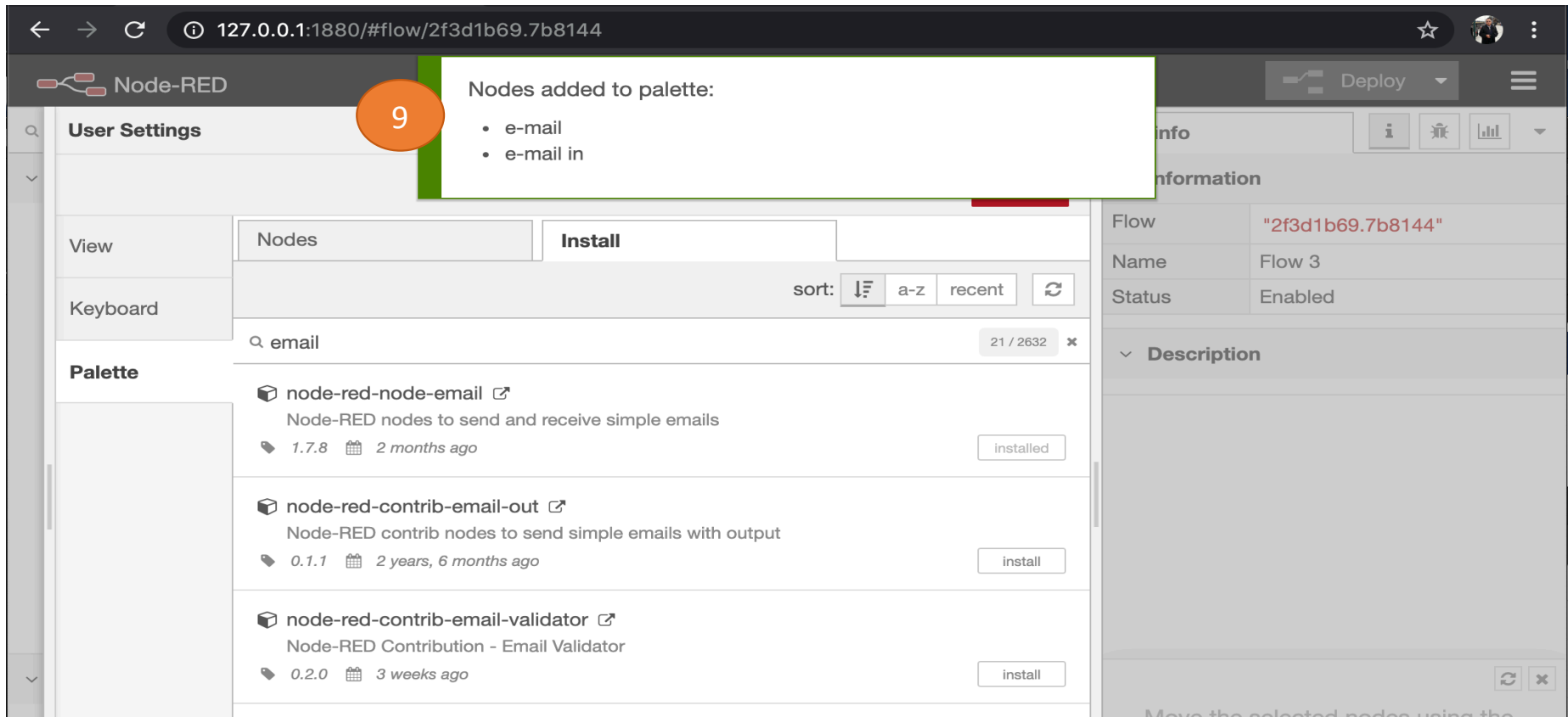
6. Click the install box of node-red-dashboard version 2.22.1



7. E.g., Adding email palette – type email at search module.
8. Click the *install box* of *node-red-node-email* version 1.7.8

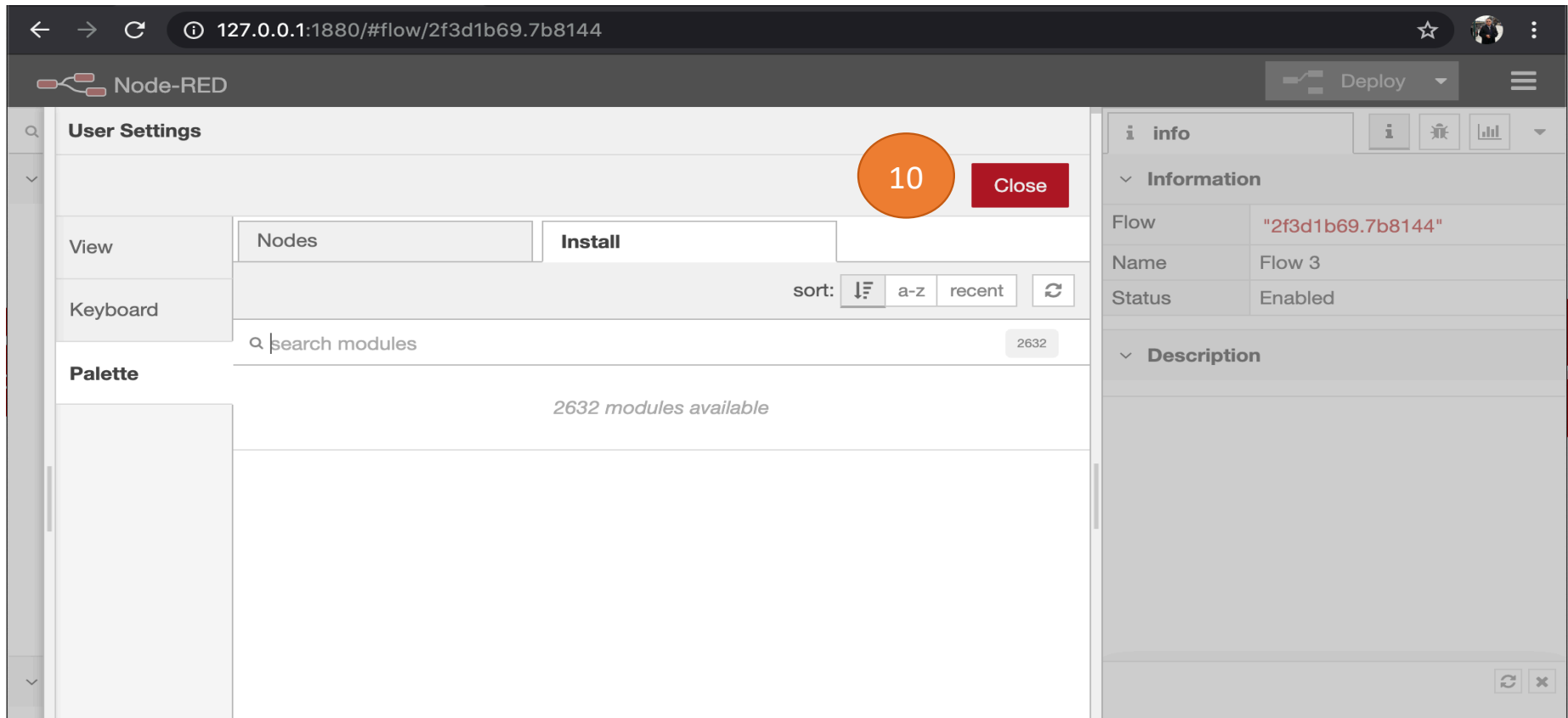


## 9. Successfully added email palette.





## 10. Click Close.

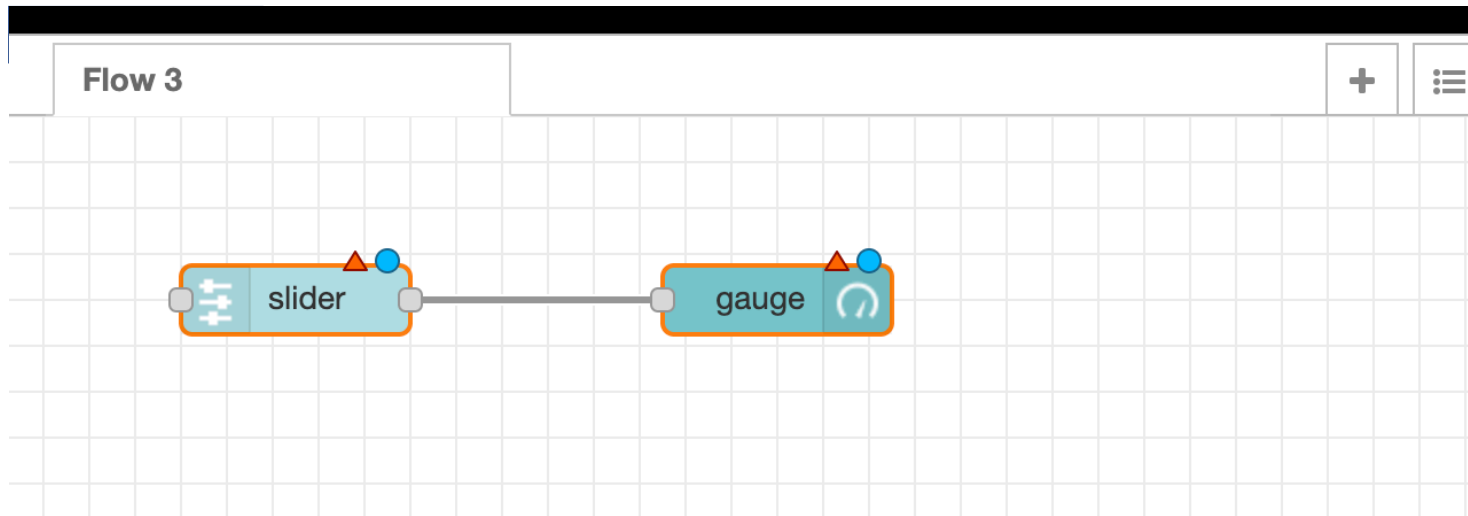


## 11. Newly added palettes.

The screenshot shows the Node-RED web interface in a browser. The address bar displays the URL `127.0.0.1:1880/#flow/2f3d1b69.7b8144`. The interface includes a top navigation bar with the Node-RED logo, a "Deploy" button, and a hamburger menu. On the left, there is a "filter nodes" search bar and two expanded palettes: "social" and "dashboard". The "social" palette contains two "email" nodes, one of which is highlighted with an orange circle containing the number "11". The "dashboard" palette contains six nodes: "button", "dropdown", "switch", "slider", "numeric", and "text input". The central workspace is a grid labeled "Flow 3". On the right, the "info" sidebar is open, showing the "Information" tab with details for the current flow: "Flow" (ID), "Name" (Flow 3), and "Status" (Enabled). Below this is the "Description" tab, which is currently empty.

Gauge respond based on slider movement.

1. Arrange the nodes as in the figure.



2. Double click the *slider node* and the *gauge node* in order to check its properties (one at a time).

**Edit slider node**

Delete Cancel Done

**Properties**

Group [Home] House

Size auto

Label slider

Tooltip optional tooltip

Range min 0 max 10 step 1

Output continuously while sliding

→ If msg arrives on input, set slider to new payload value: ☒

☒ When changed, send:

Payload Current value

Topic

**Edit gauge node**

Delete Cancel Done

**Properties**

Group [Home] House

Size auto

Type Gauge

Label gauge

Value format {{value}}

Units units

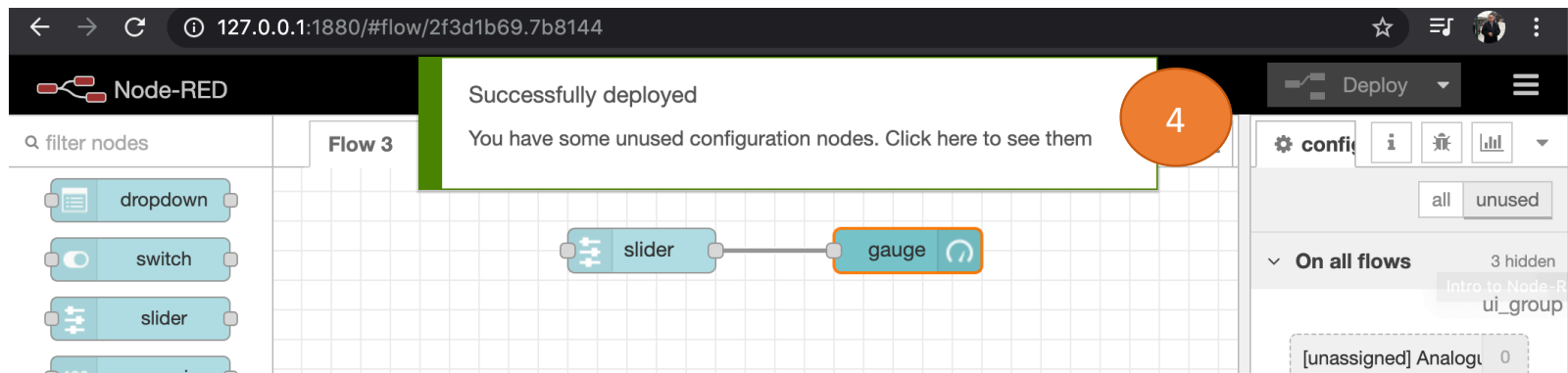
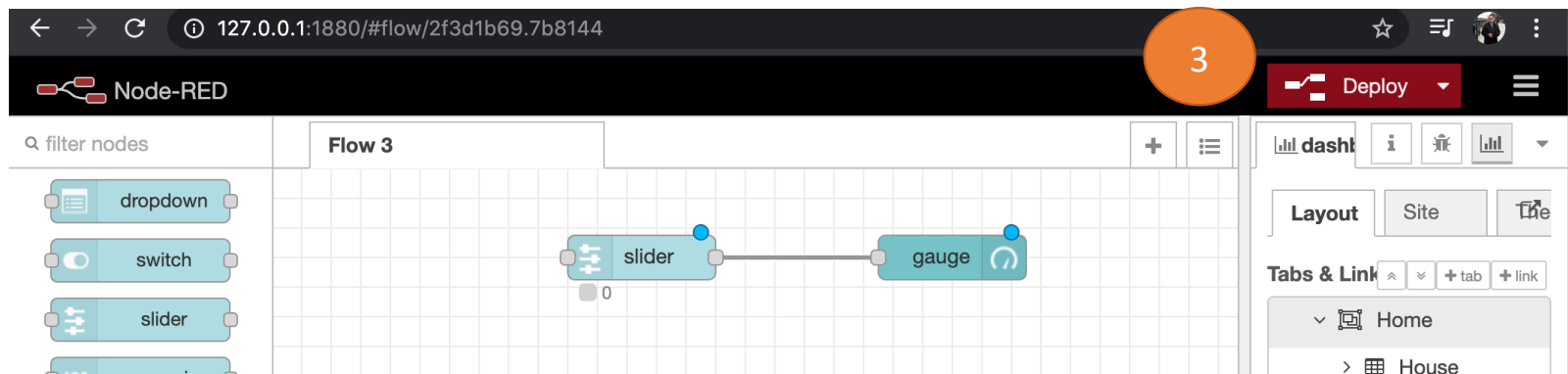
Range min 0 max 10

Colour gradient

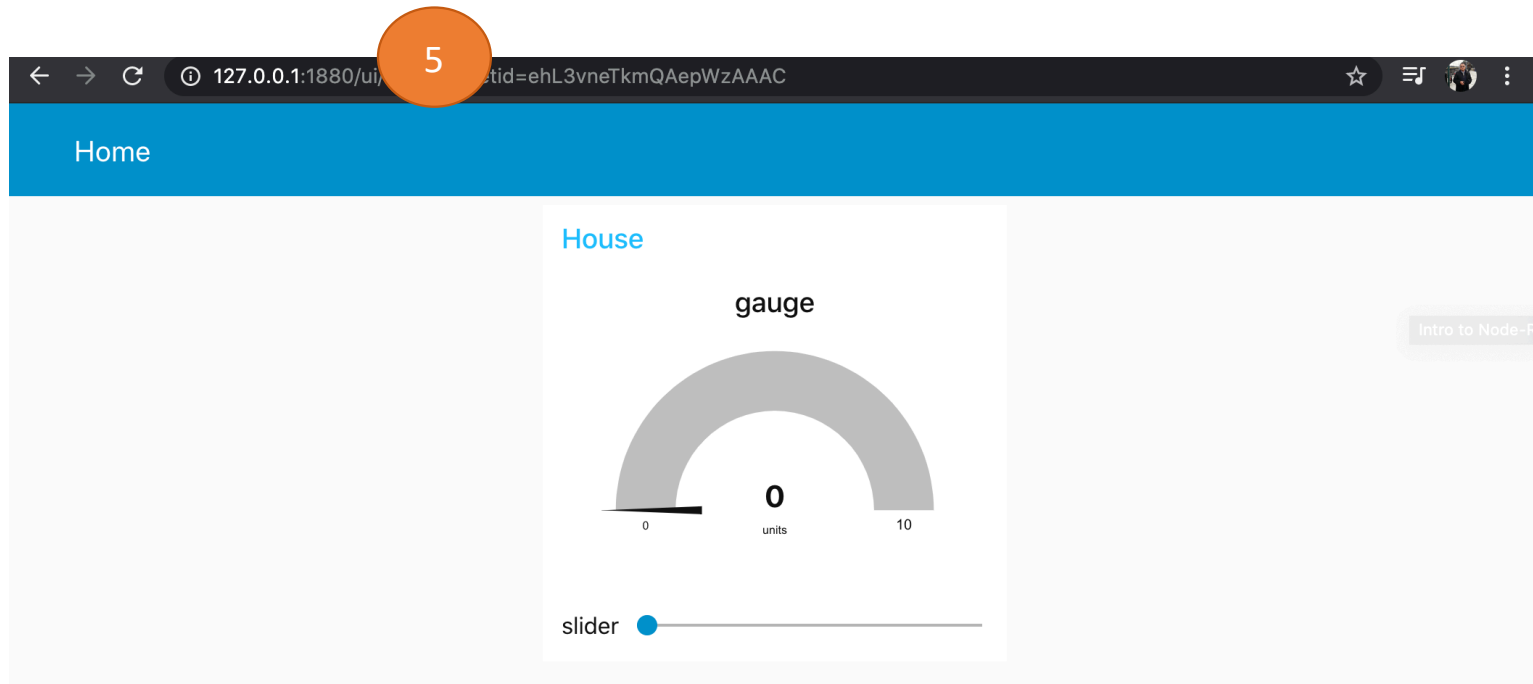
Sectors 0 ... optional ... optional ... 10

## Palette Installation: Exercise 1

3. Click Deploy once finished.
4. Successfully deployed.



5. The UI IP Address, [http:// 127.0.0.1:1880/ui/](http://127.0.0.1:1880/ui/) or <http://localhost/ui/>
6. Move the slider and state the answer.



QnA

**END**