

How to Build Node-RED Dashboard

APPLICATION INTERFACE CONTROLLER

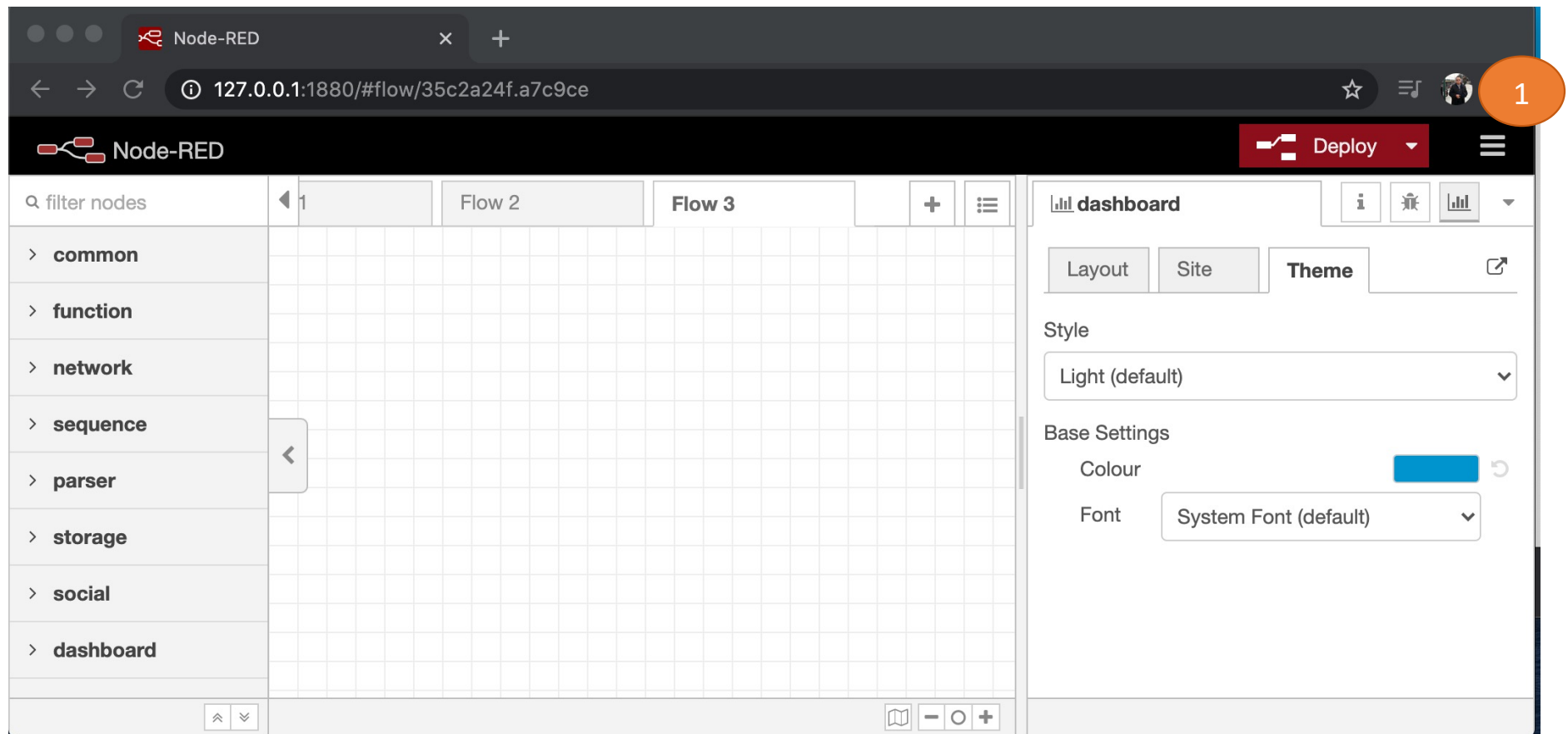
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SEMESTER JAN 2020

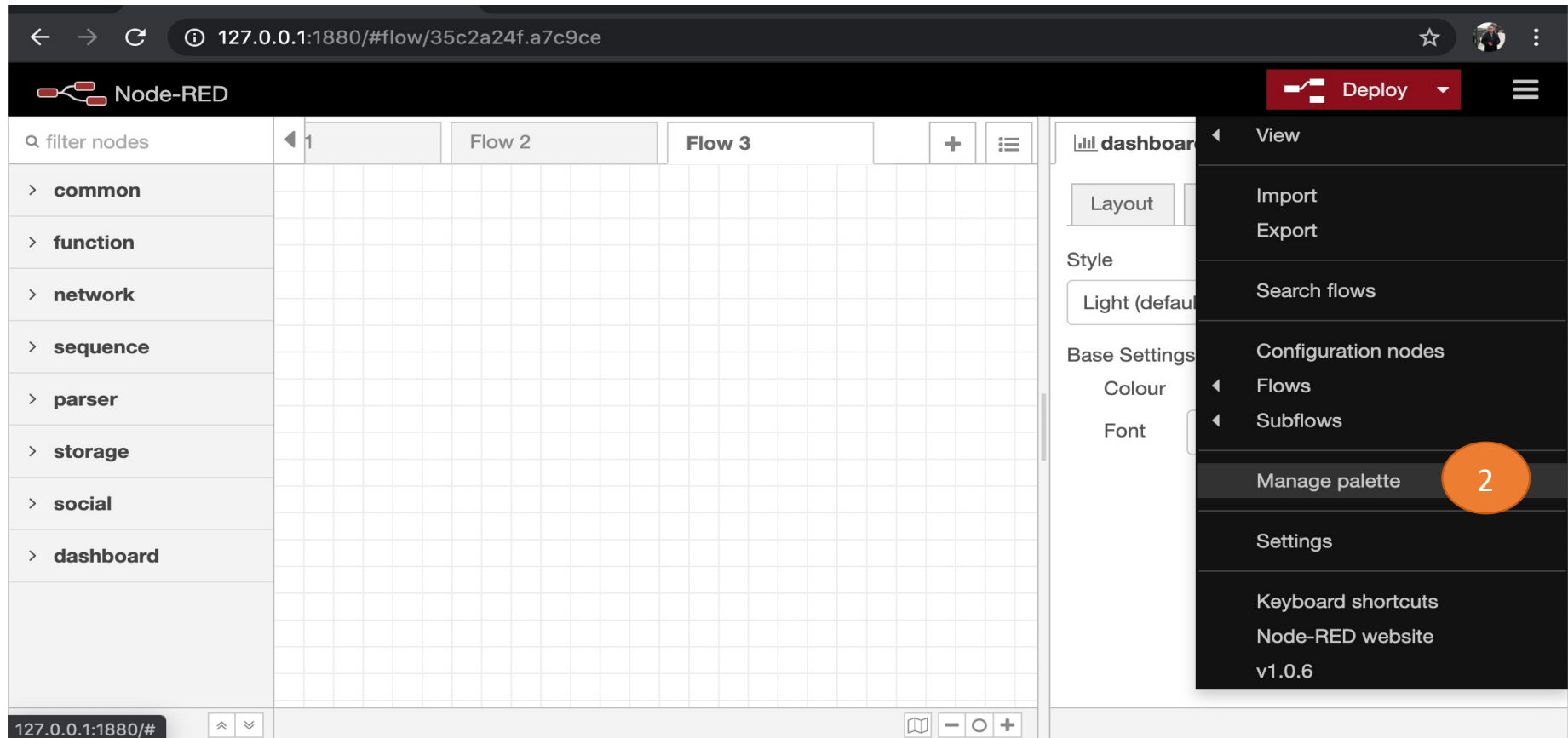
Safyzan Salim



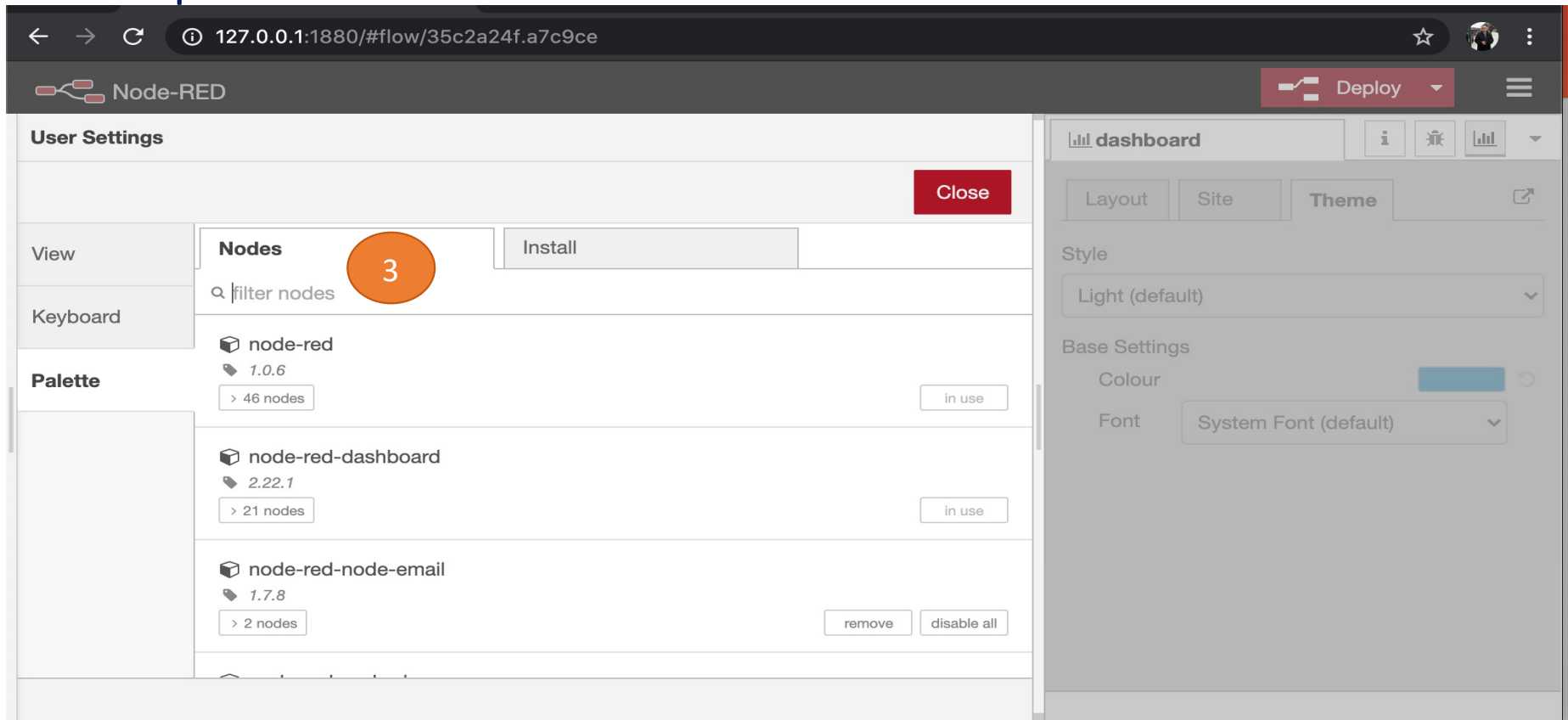
1. Go to menu to install Dashboard palette.



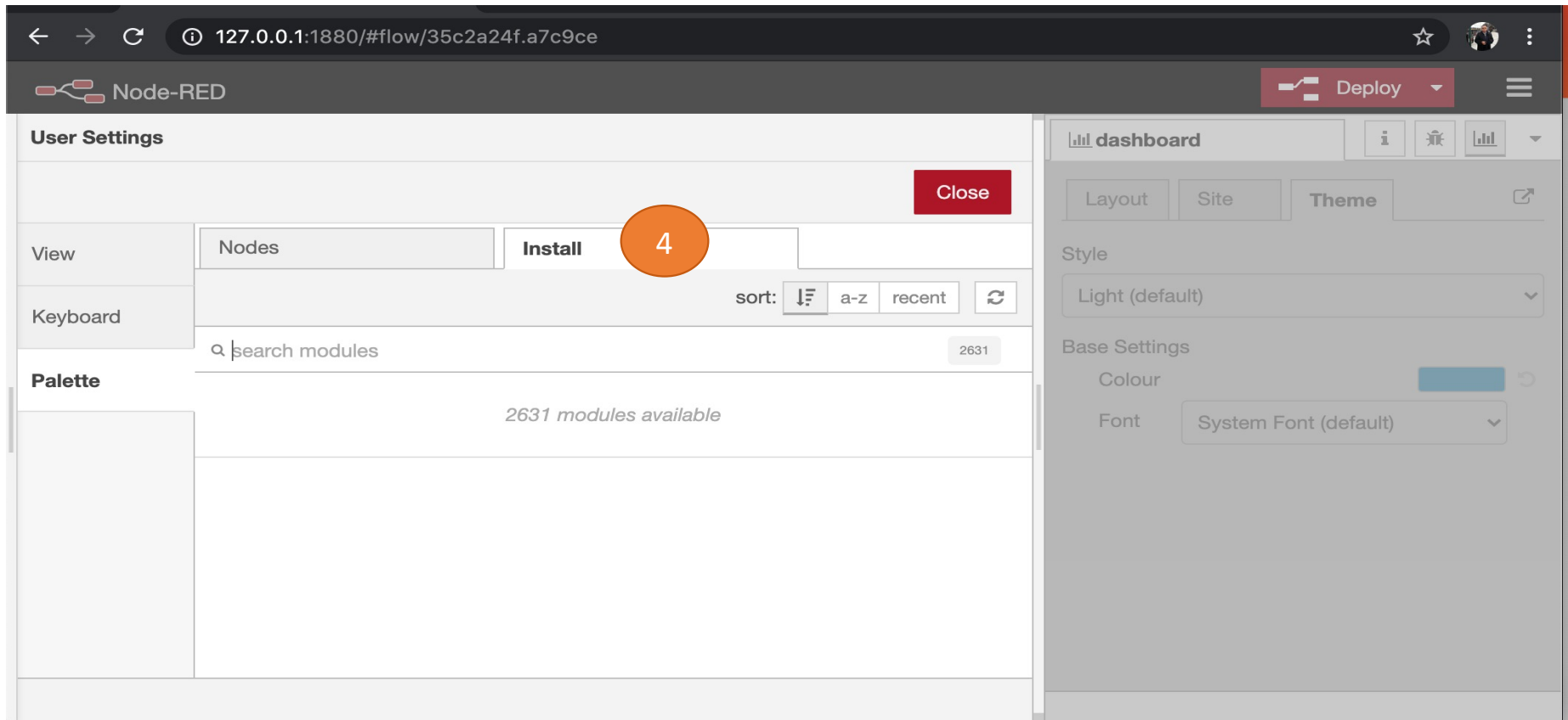
2. Select Manage palette.



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

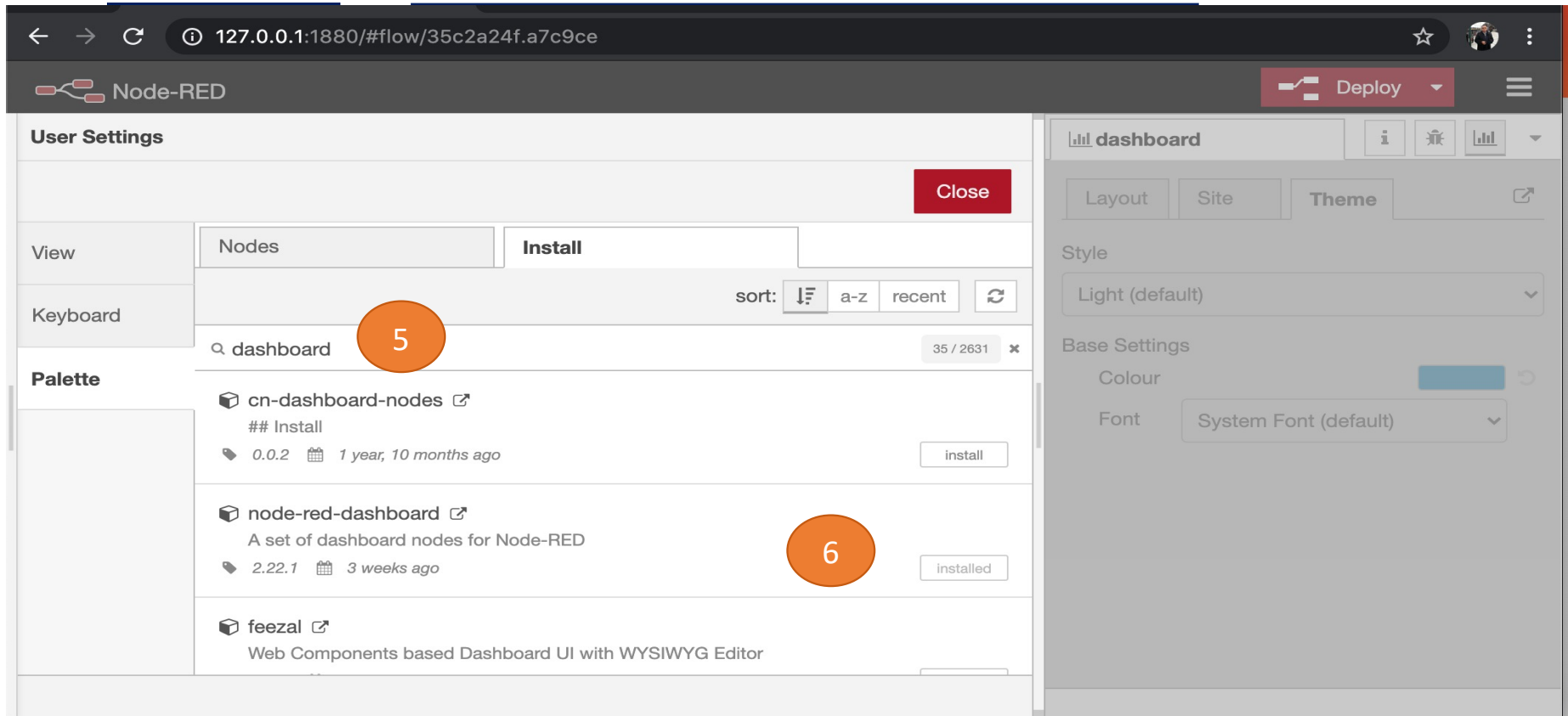


4. Install tab is used to search and install new palette.

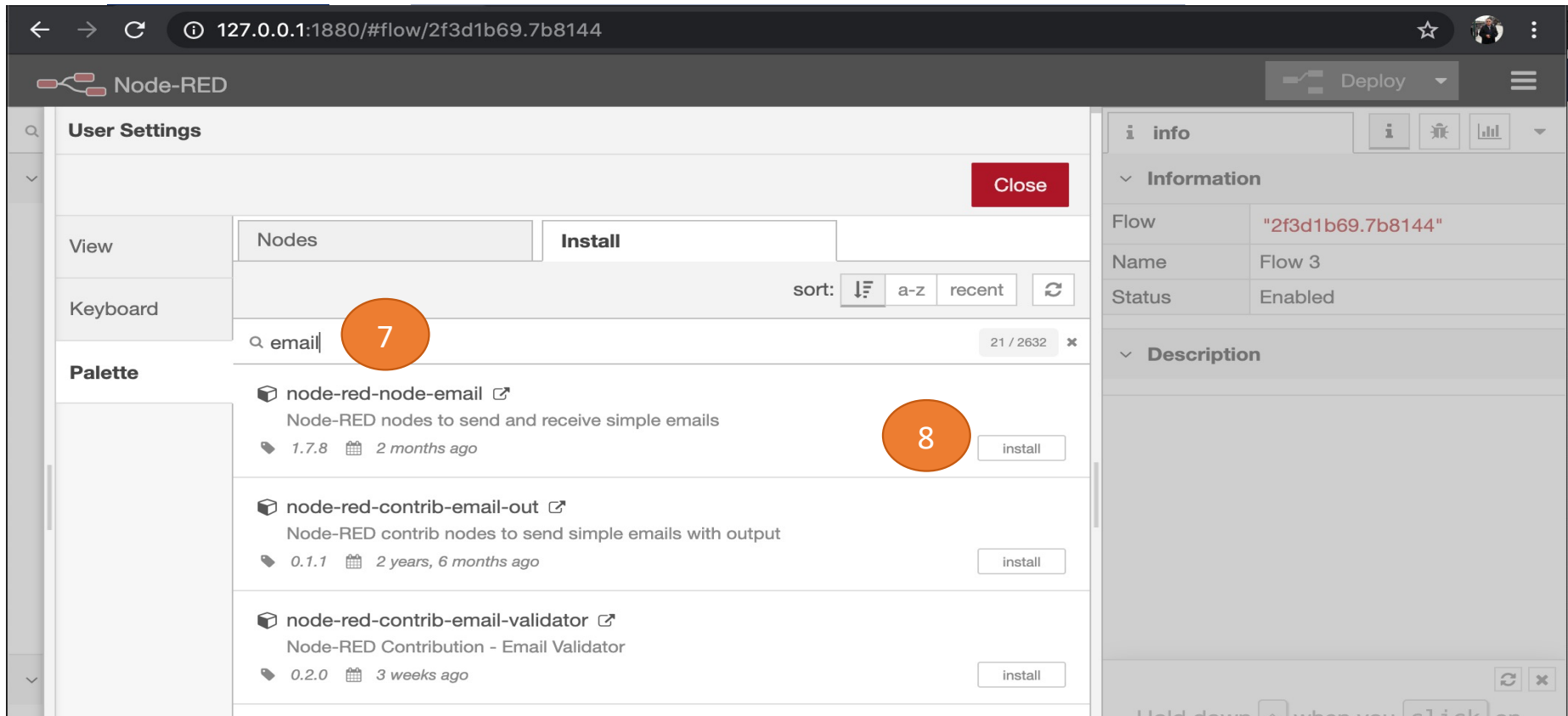


5. Go to search module and type dashboard.

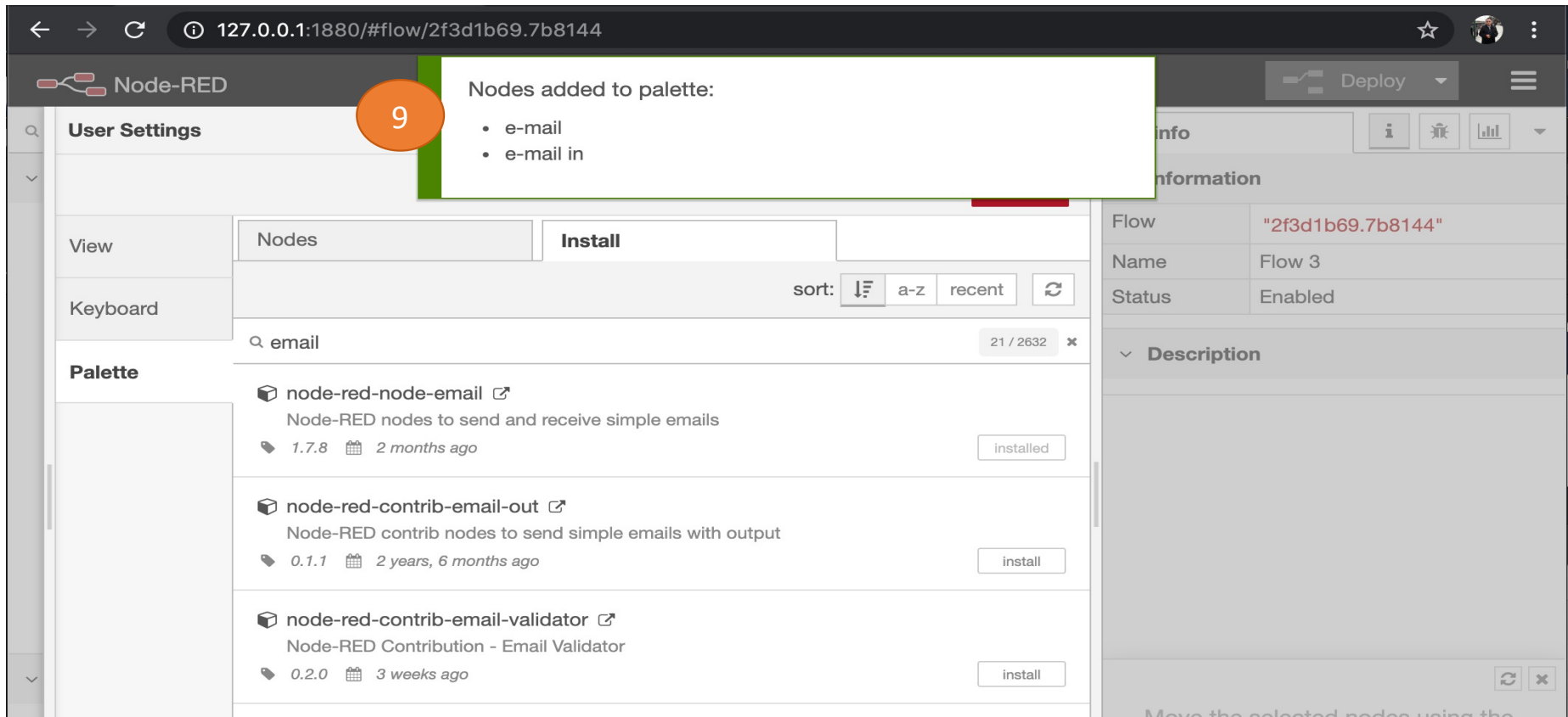
6. Click the install box of node-red-dashboard version 2.22.1



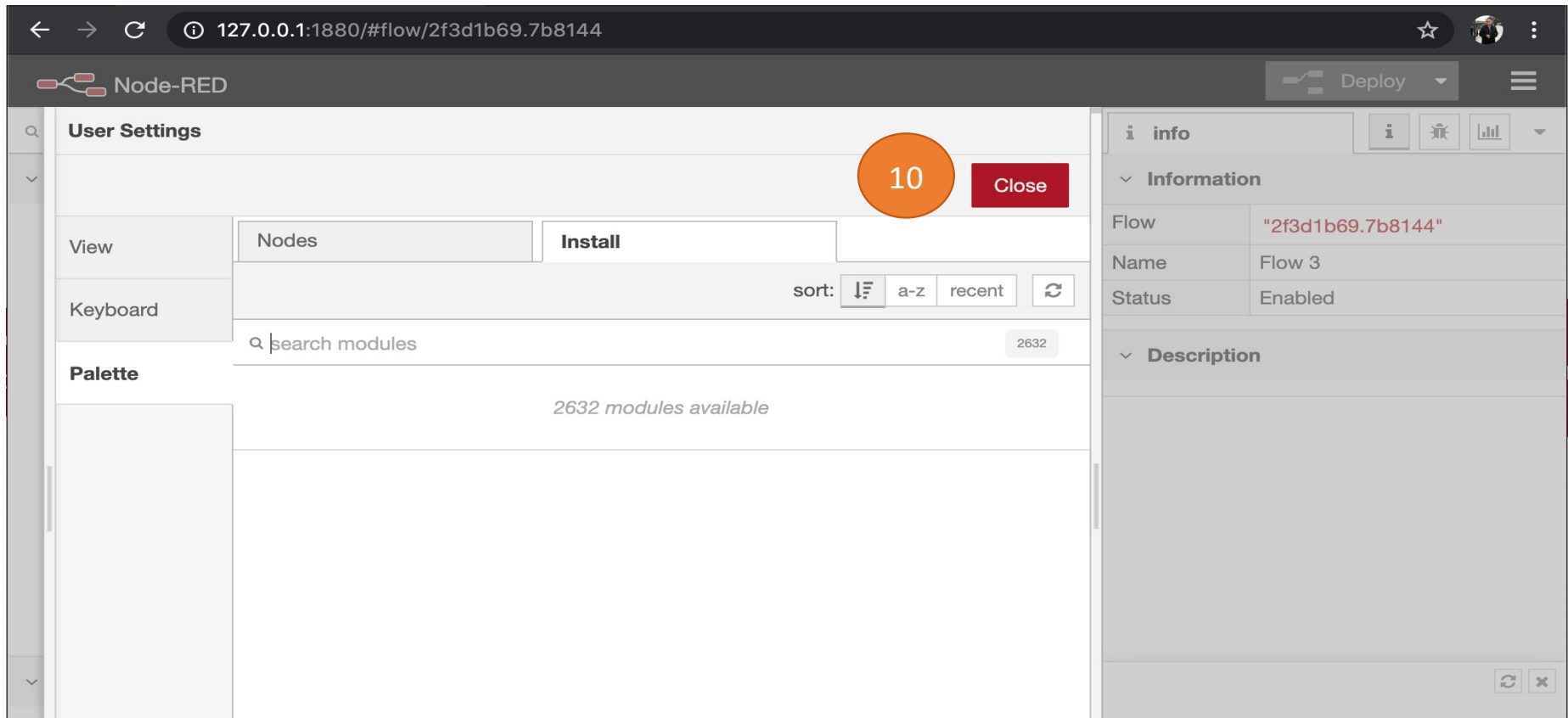
7. E.g., Adding email palette – type email at search module.
8. Click the *install box* of *node-red-node-email* version 1.7.8



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 search bar, and a 'Deploy' button. The left sidebar contains two palettes: 'social' and 'dashboard'. The 'social' palette has two 'email' nodes, one of which is highlighted with an orange circle containing the number '11'. The 'dashboard' palette contains nodes for 'button', 'dropdown', 'switch', 'slider', 'numeric', and 'text input'. The main workspace is a grid labeled 'Flow 3'. The right sidebar shows the 'info' tab with details about the current flow, including its ID, name, and status.

Node-RED

filter nodes

social

email

email

dashboard

button

dropdown

switch

slider

numeric

text input

Flow 3

info

Information

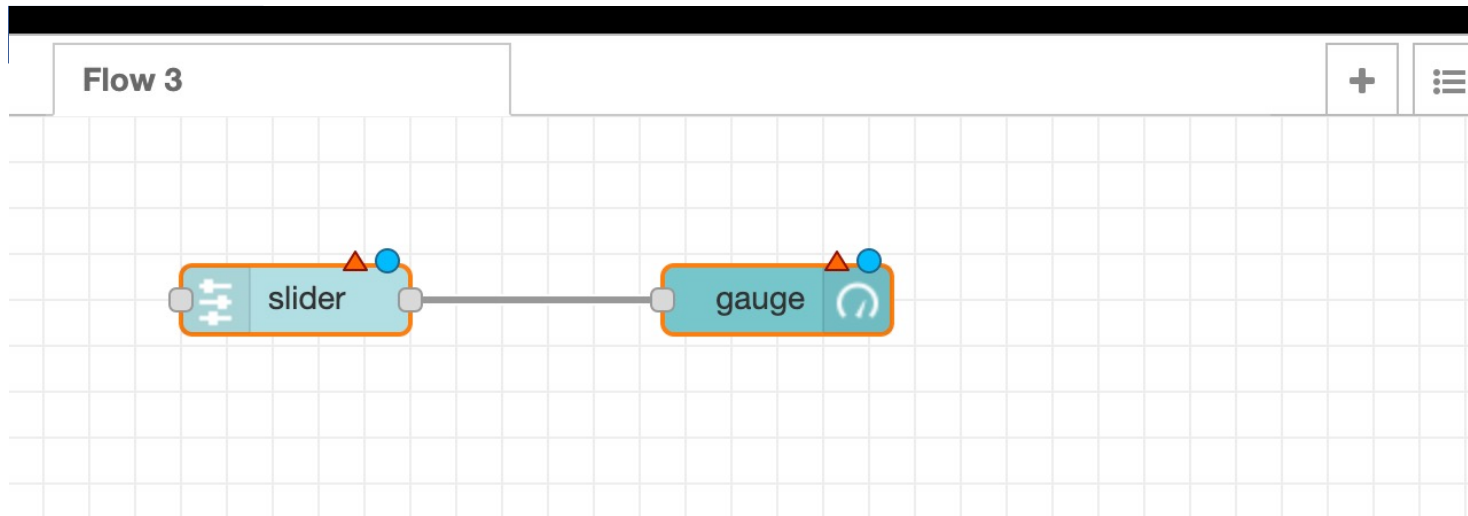
Flow	"2f3d1b69.7b8144"
Name	Flow 3
Status	Enabled

Description

Your flow configuration nodes are

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

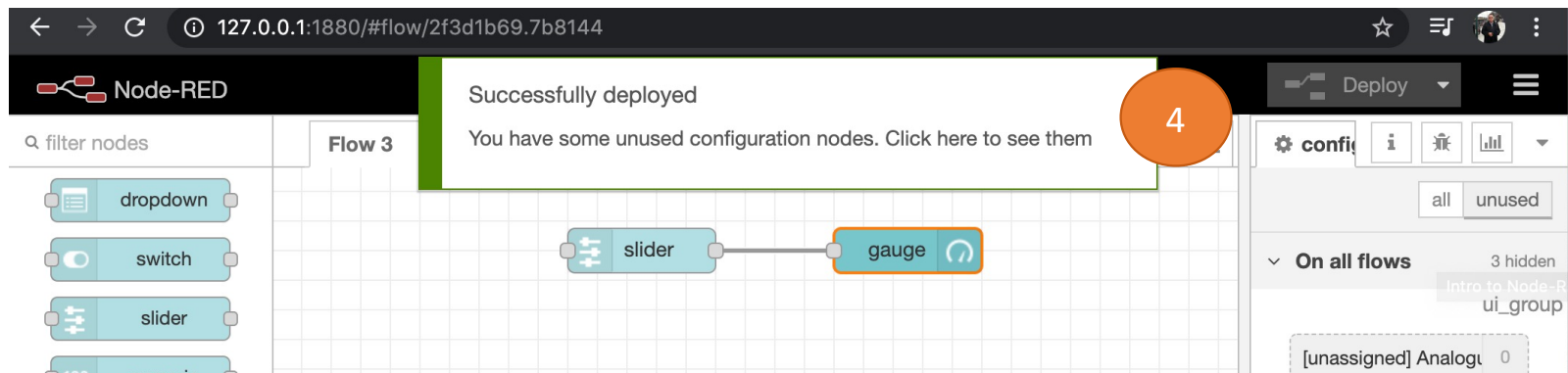
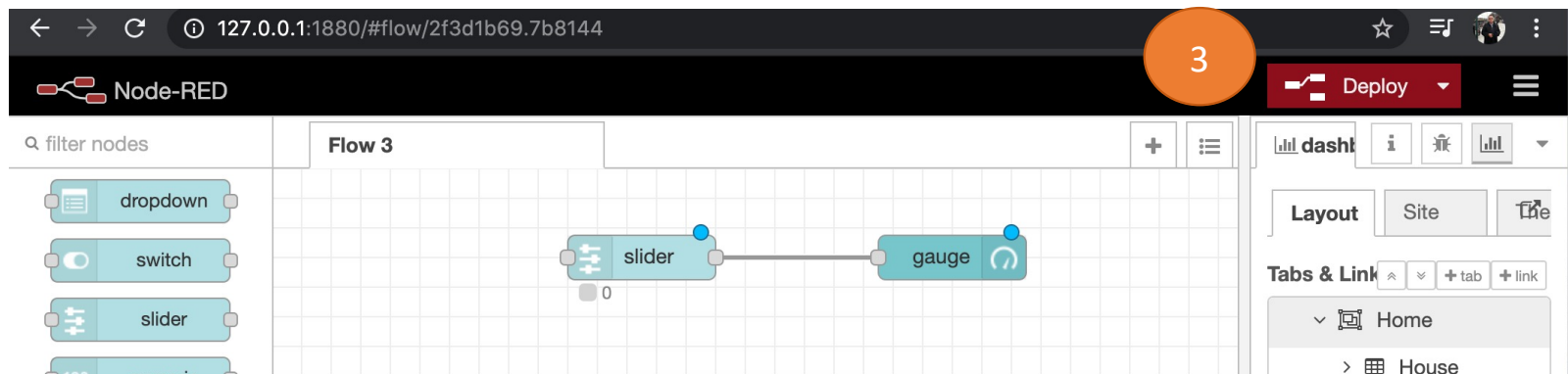
Range min 0 max 10

Colour gradient

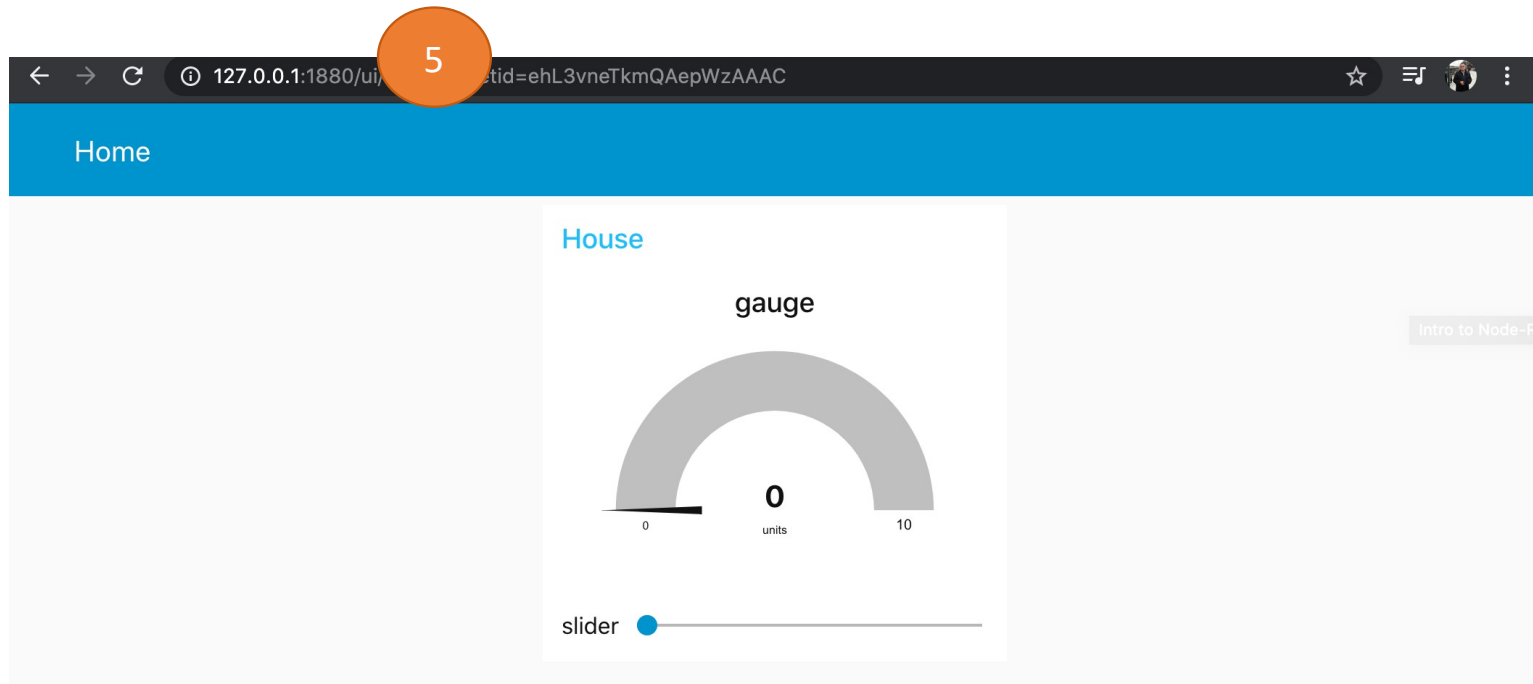
Sectors 0 ... optional ... optional ... 10

Palette Installation: Exercise 1

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



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



QnA

END