Node-RED: The GUI

APPLICATION INTERFACE CONTROLLER
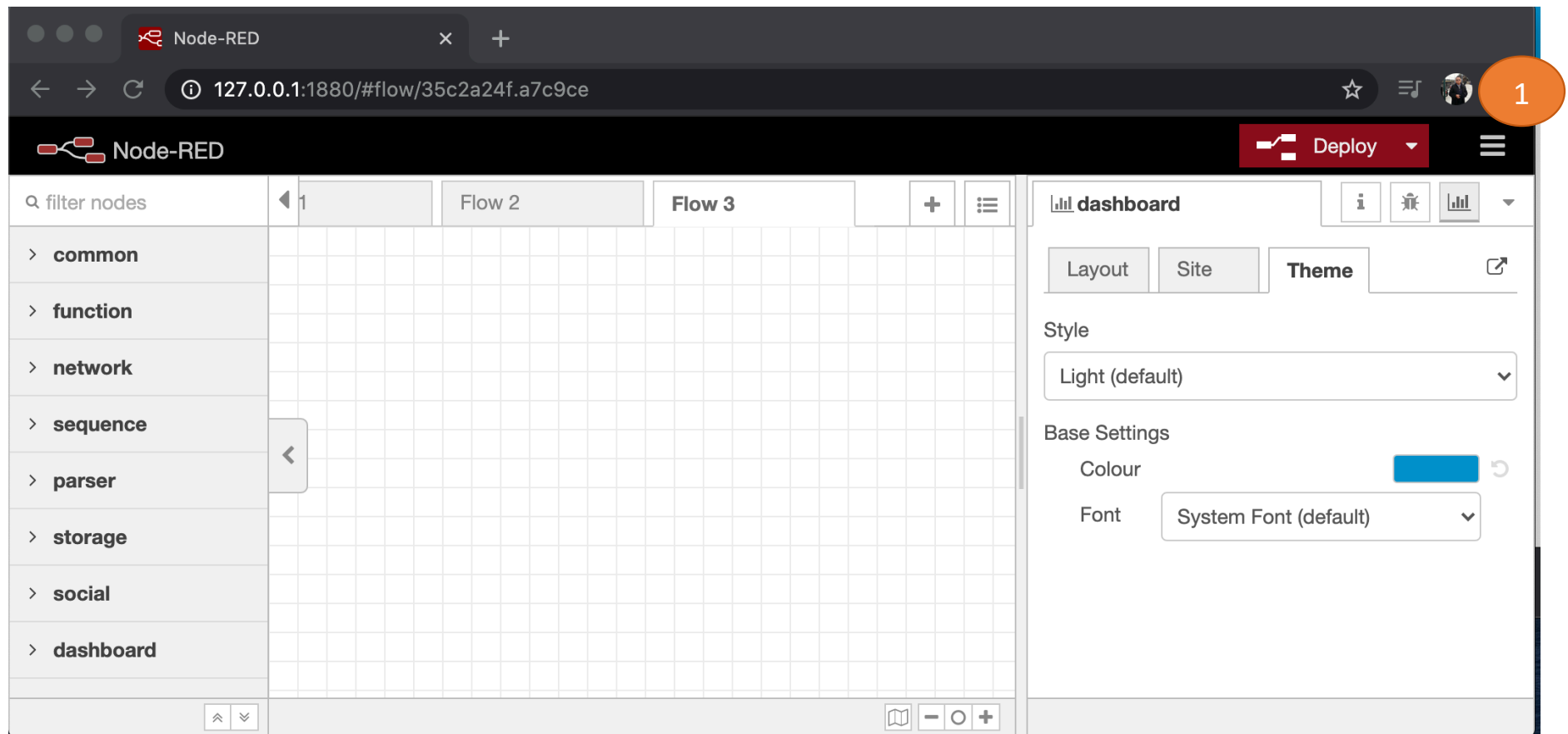
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SEMESTER JAN 2020
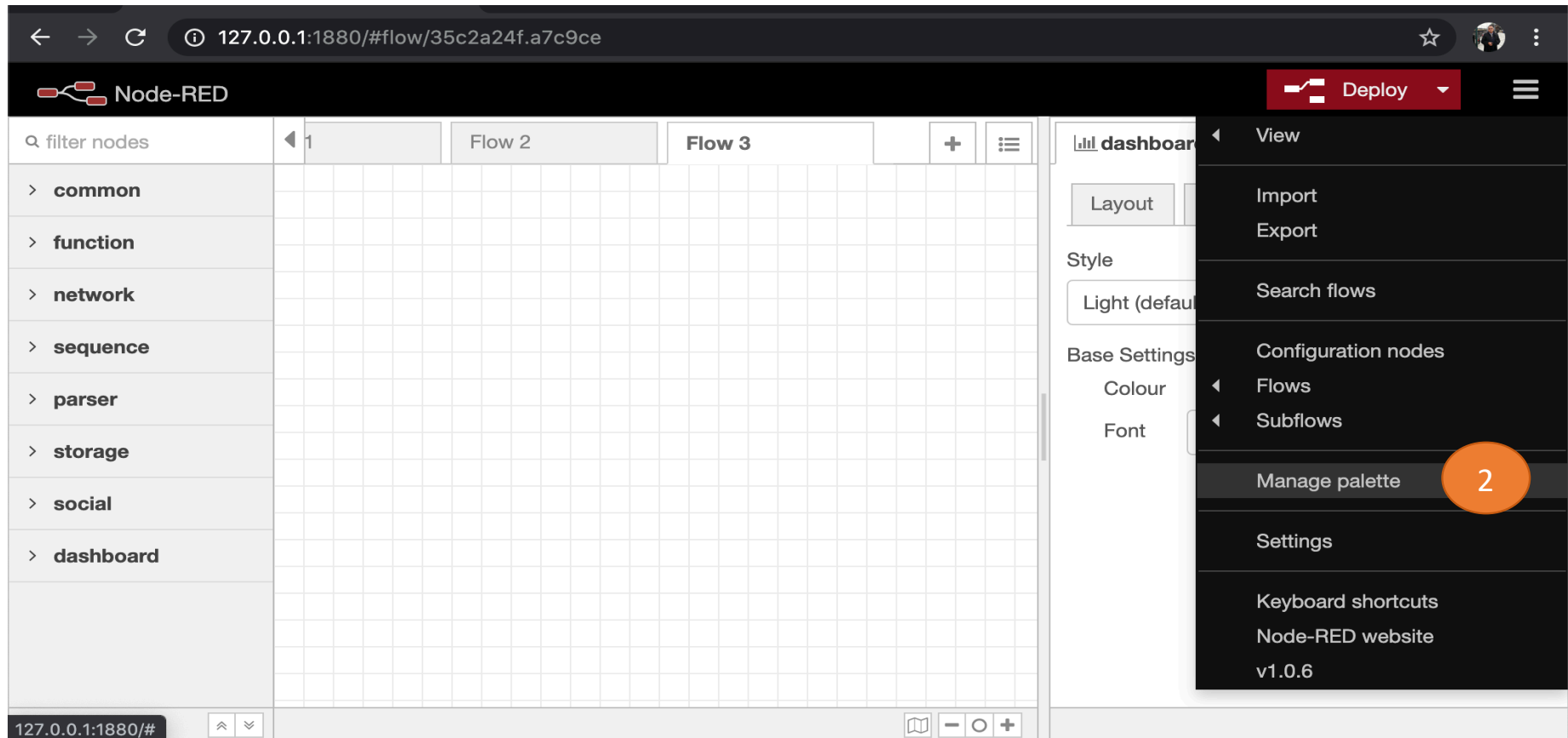
Safyzan Salim
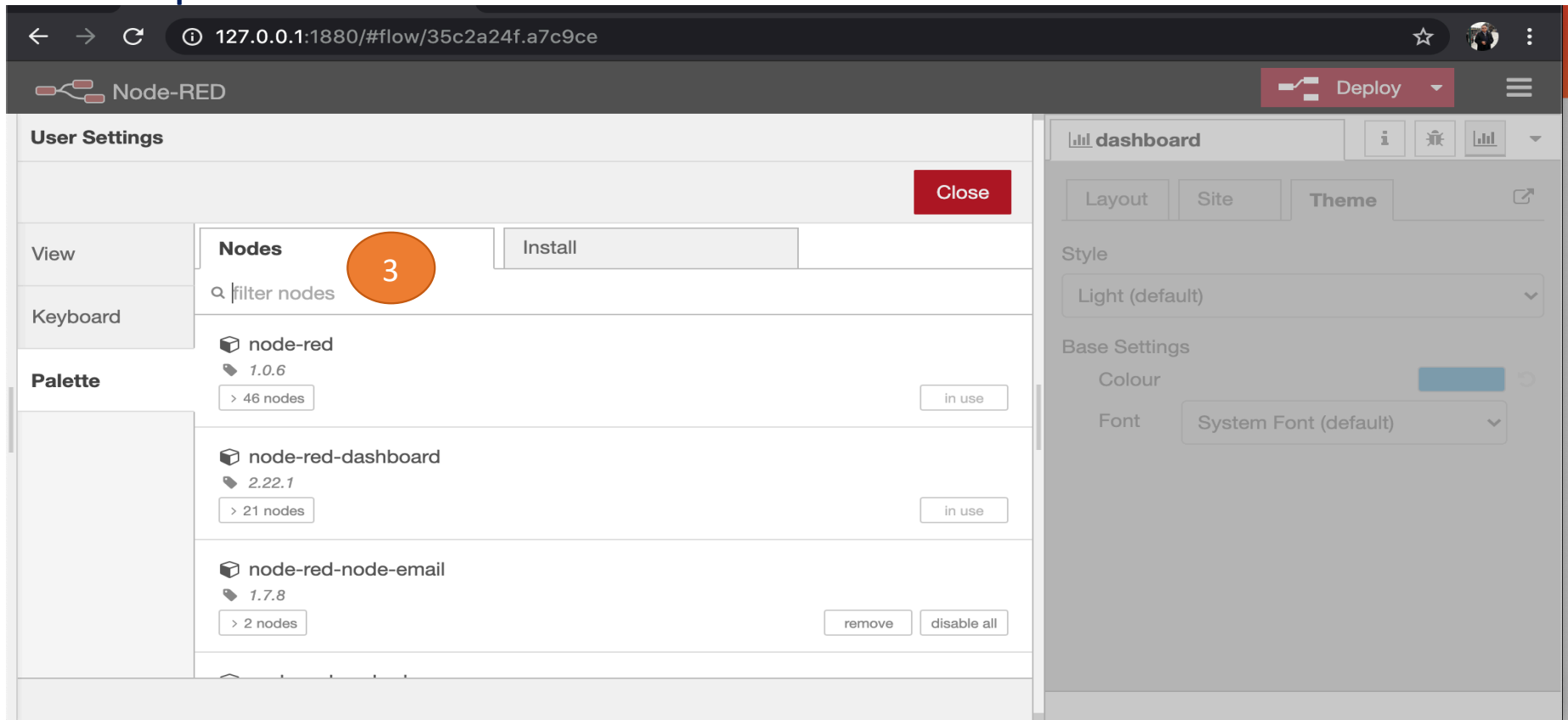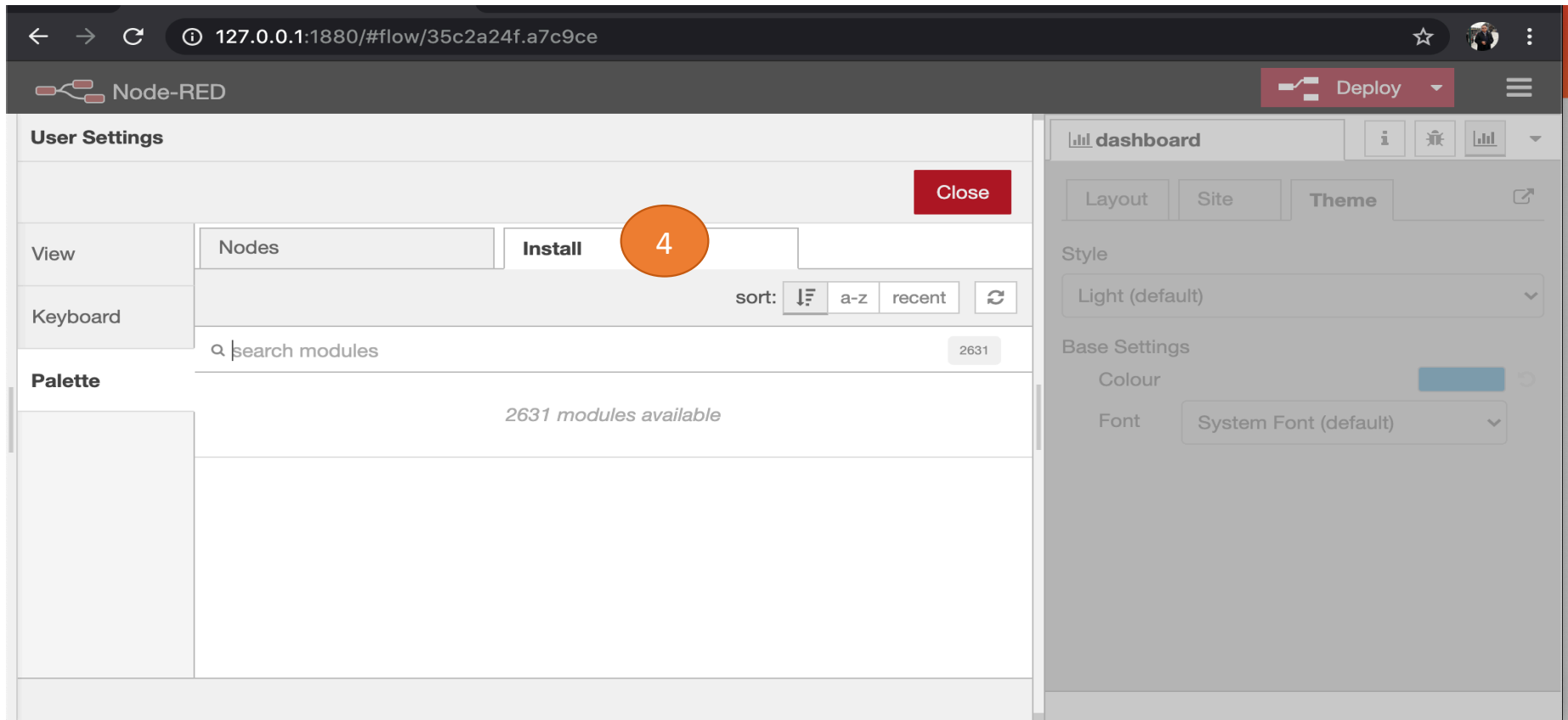
1. Go to menu to install *Dashboard* palette.

2. Select _Manage palette_.

3. *Nodes* tab shows *Installed* and *in use* palette. User can also *remove* the unwanted palette from this tab.
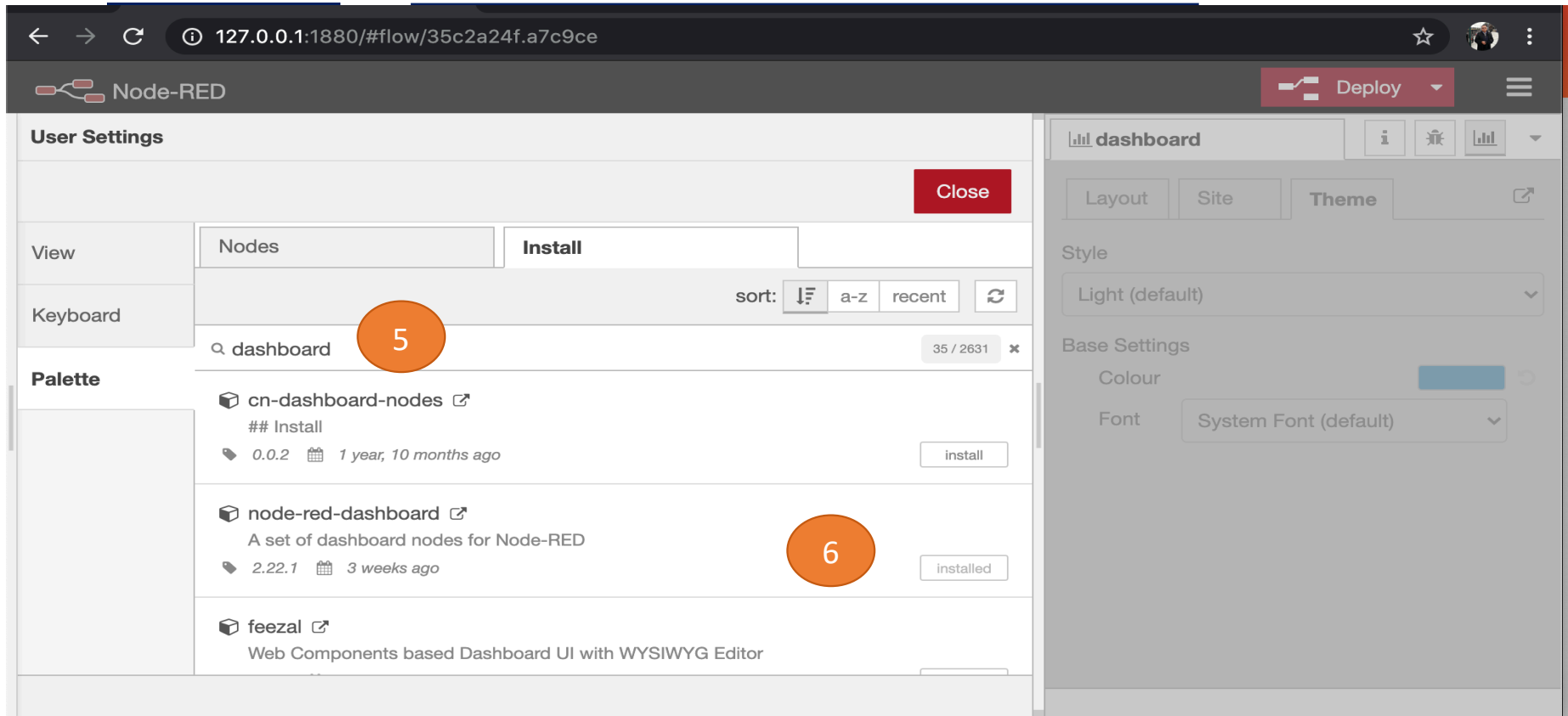
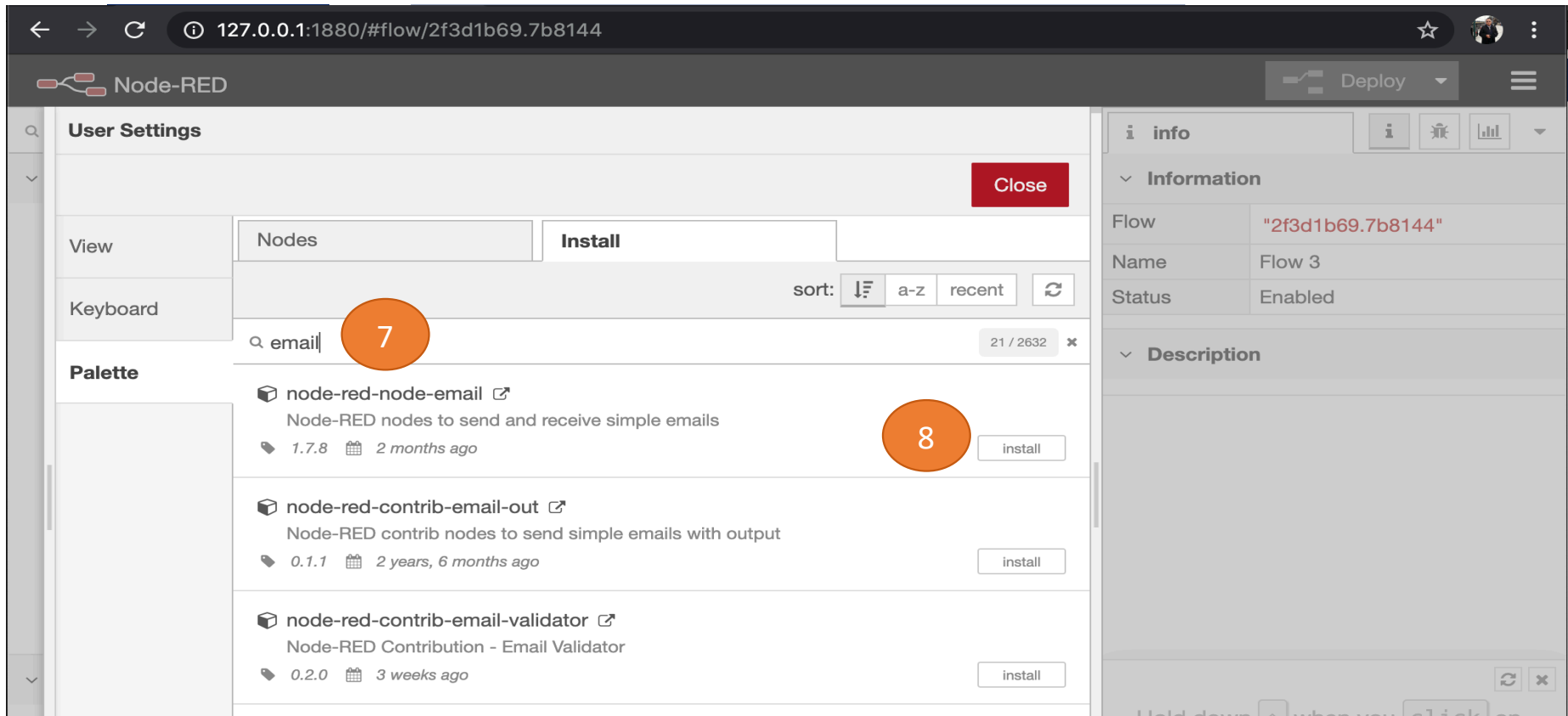# 4. *Install* tab is used to search and install new palette.

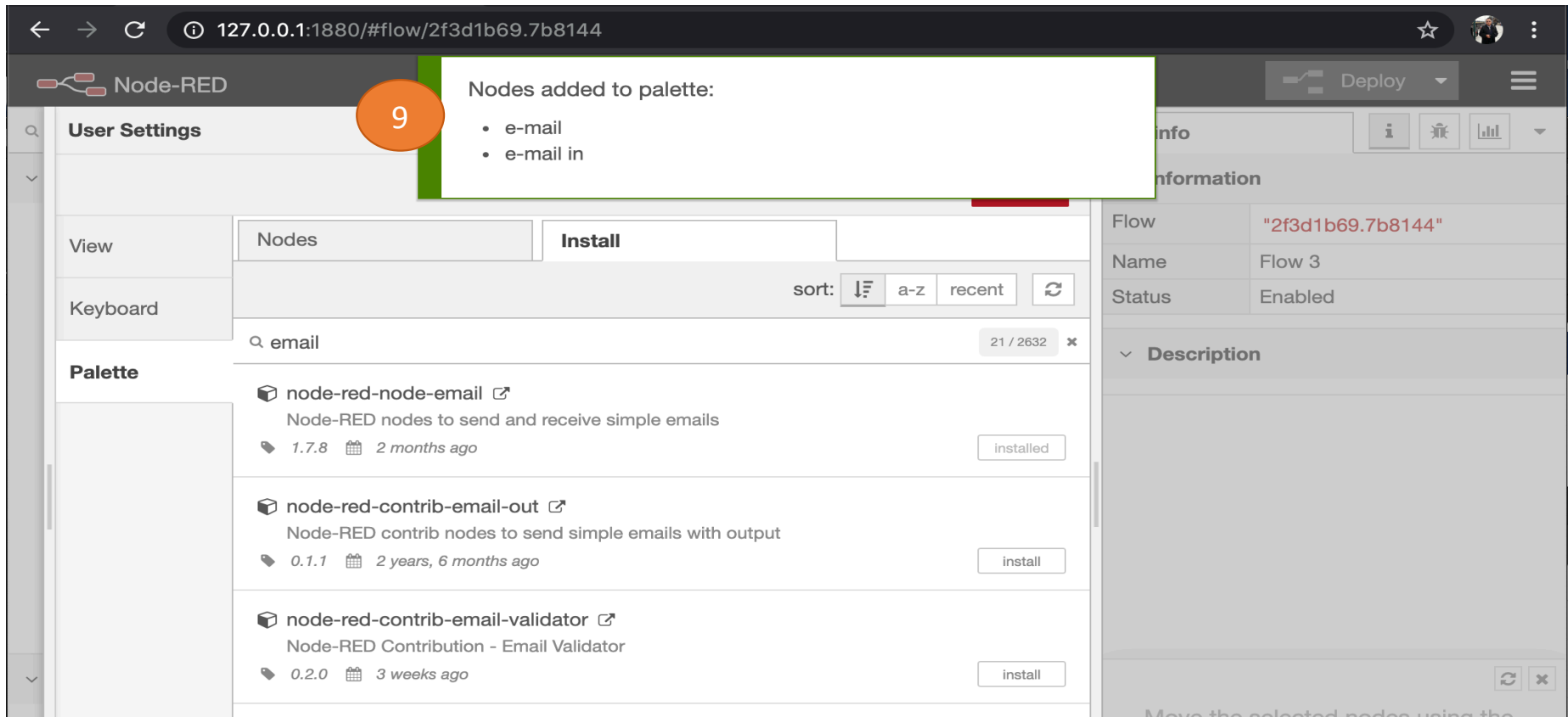# 5. Go to *search module* and type *dashboard*.
6. Click the *install box* of *node-red-dashboard version 2.22.1*

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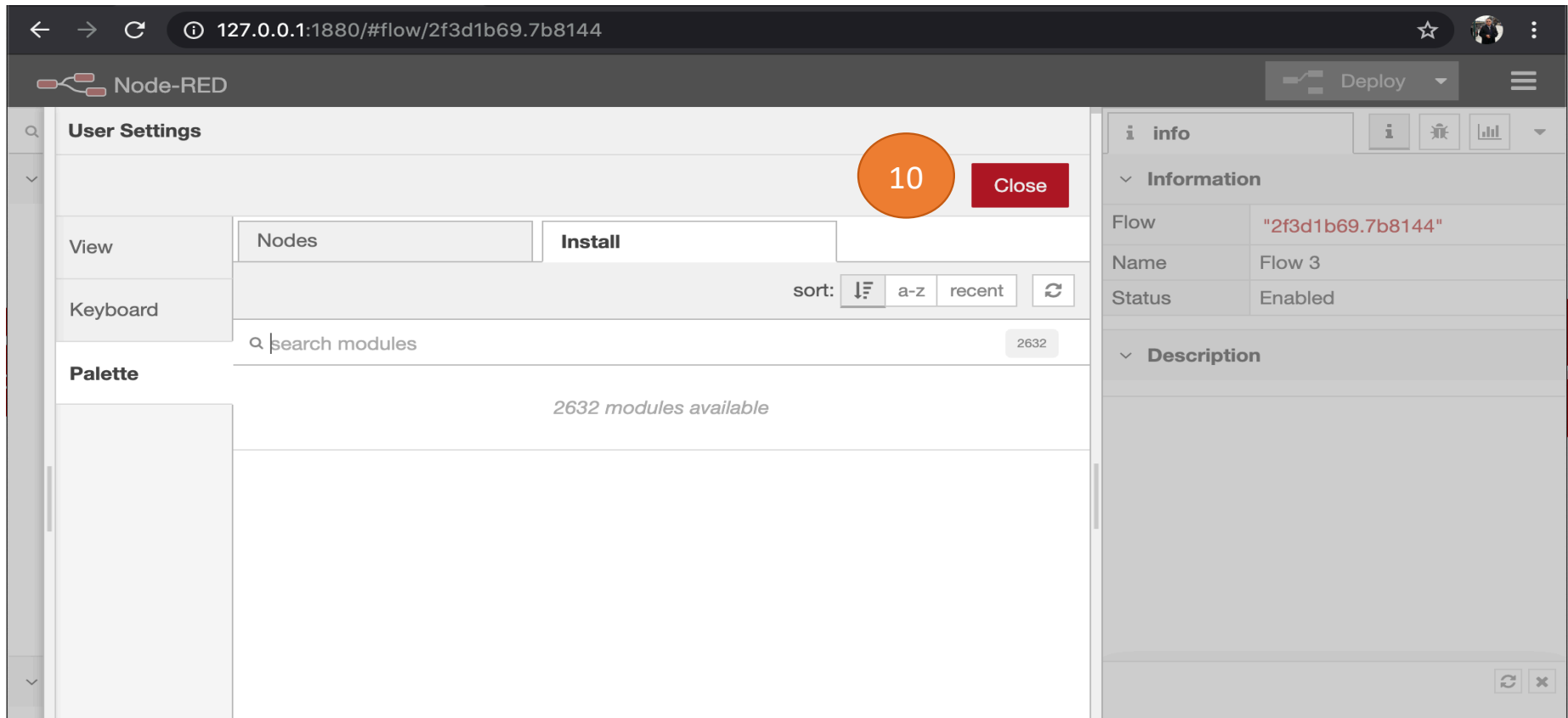# 8. Click the *install box* of *node-red-node-email version 1.7.8*

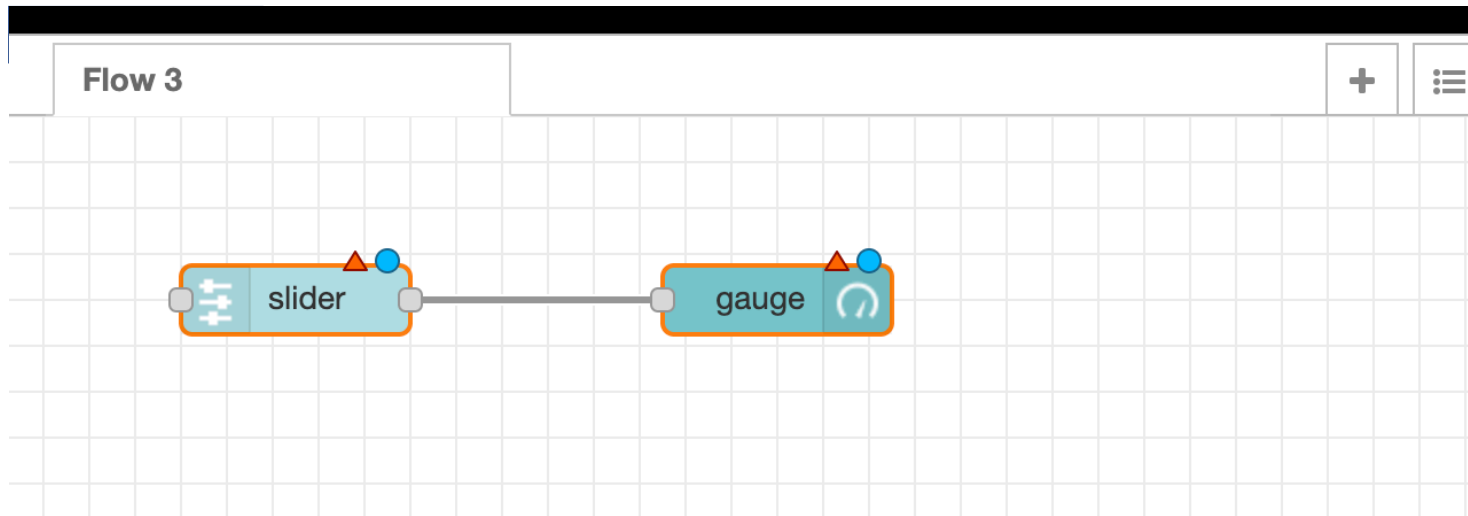# 9. Successfully added email palette.

10. Click *Close*.

11. Newly added palettes.

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

Ⲓ 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**   ⚙ 🗎 🔳

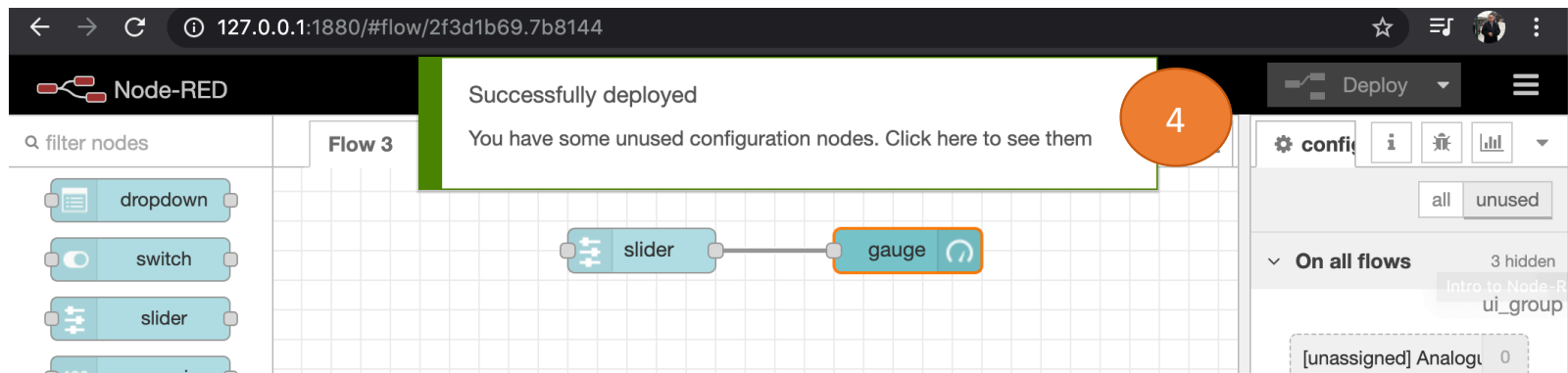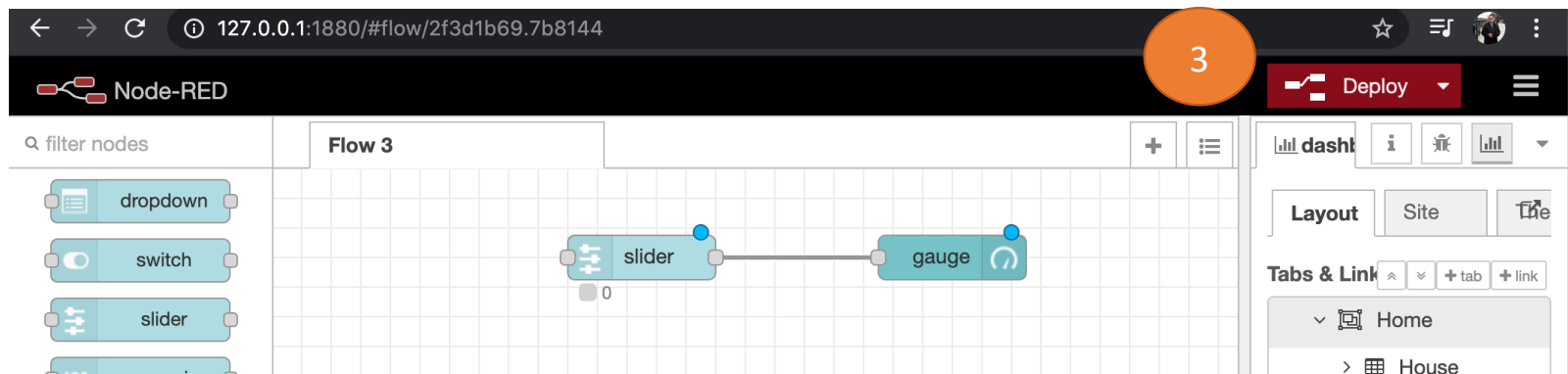⊞ Group   [Home] House   ✏

🔲 Size   auto

☰ Type   Gauge   ⌄

Ⲓ Label   gauge

Ⲓ Value format {{value}}

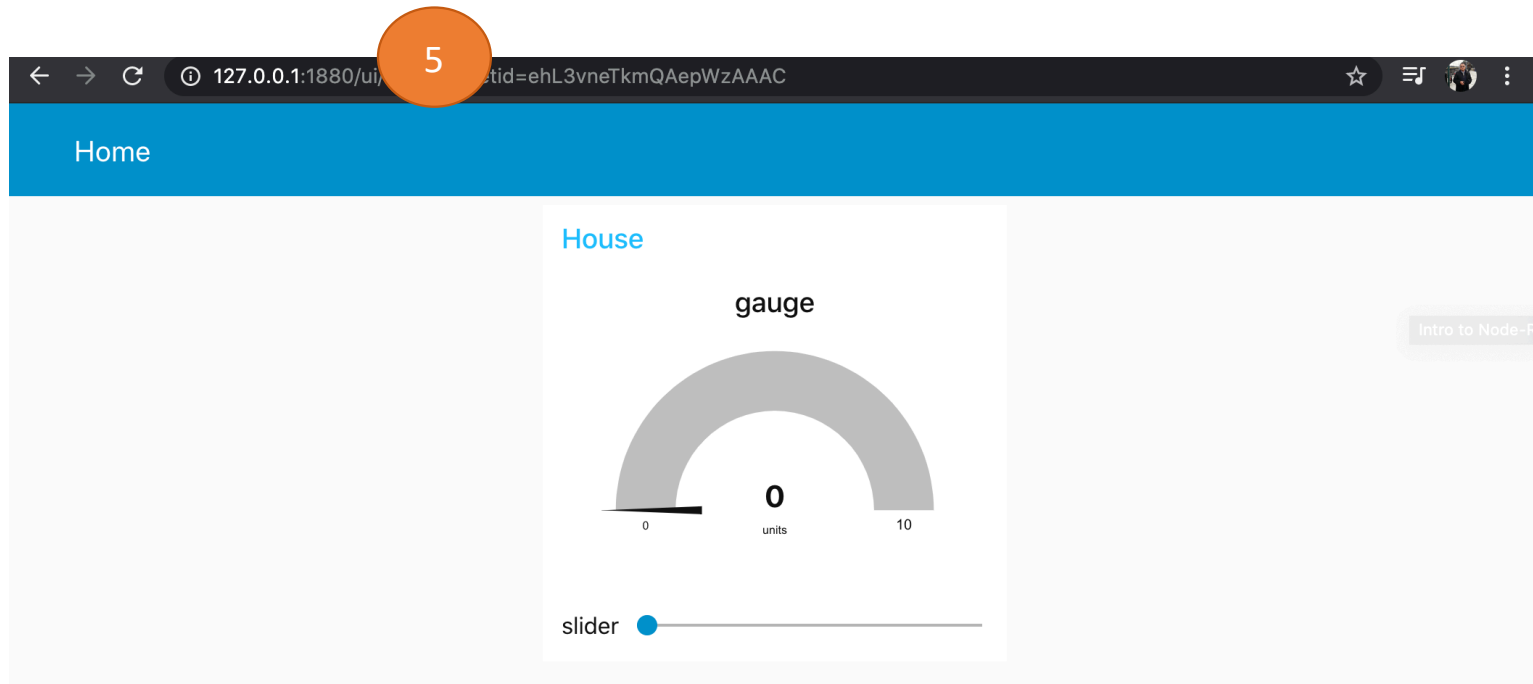Ⲓ Units   units

Range   min 0   max 10

Colour gradient 🟩 🟨 🟥

Sectors   0   …   optional   …   optional   …   10

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