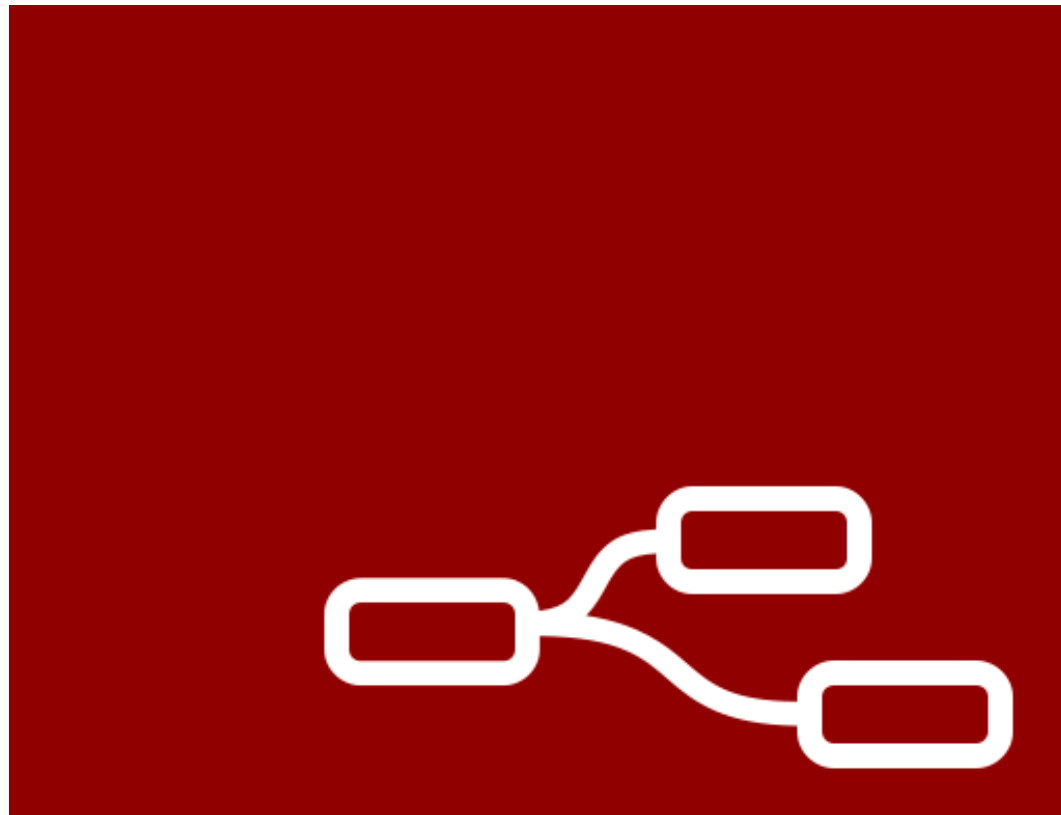


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3.5

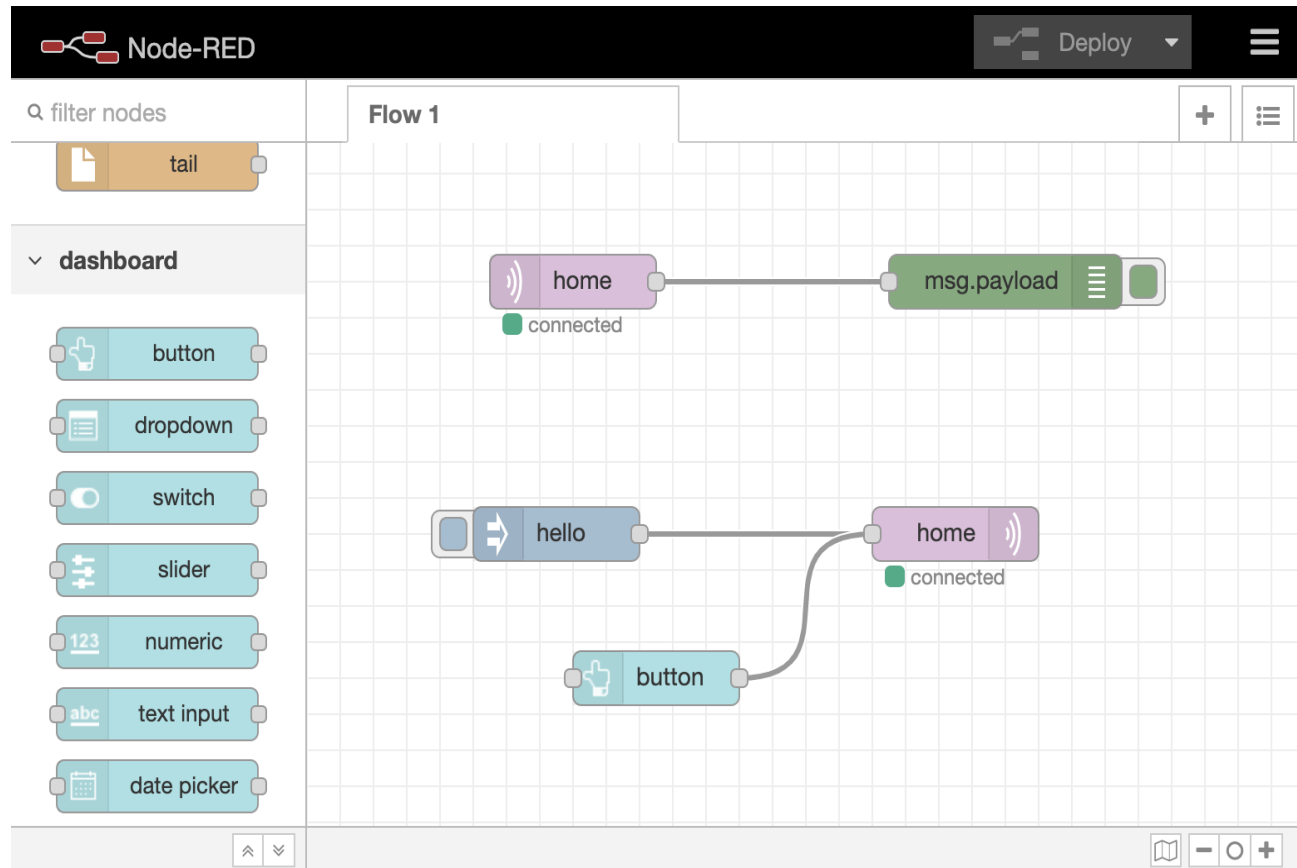
NODERED



Node-RED

NODERED

INSTALL NODE-RED



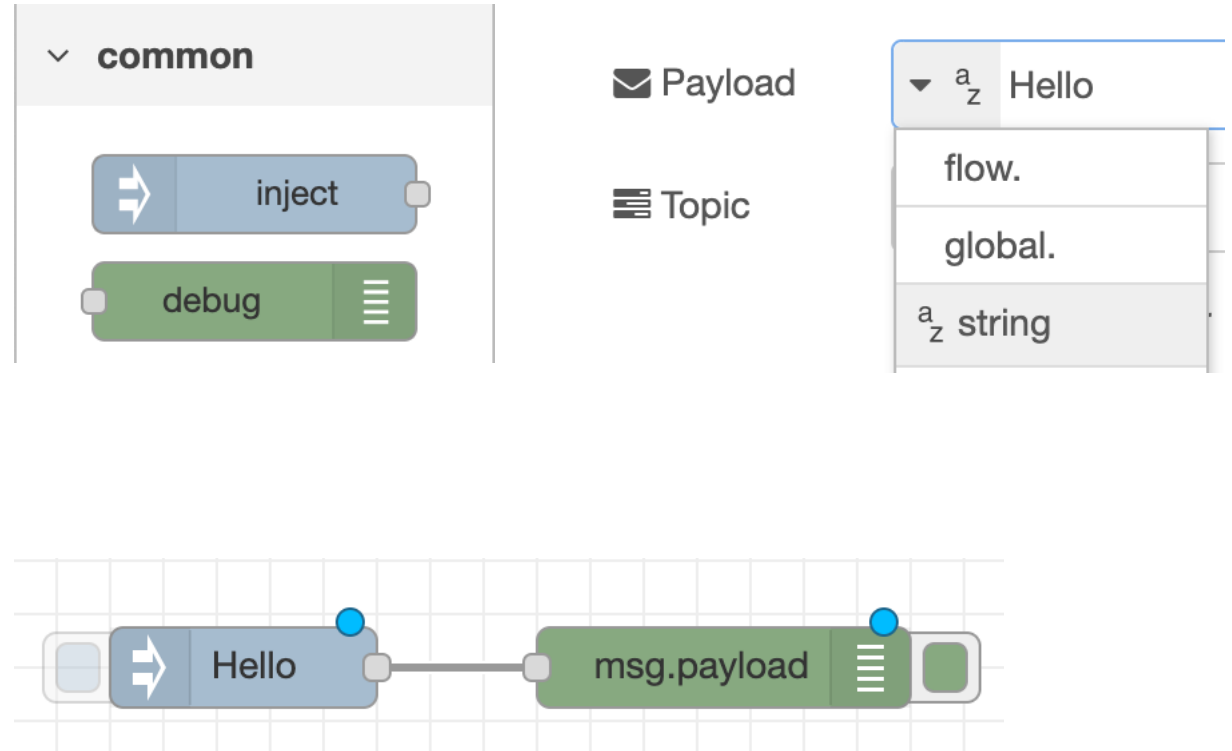
- Install NODE-RED by following this instruction:

<https://www.brainboxes.com/faq/installing-and-running-node-red-on-a-windows-pc>

- Open Web Browser, go to <http://localhost:1880>

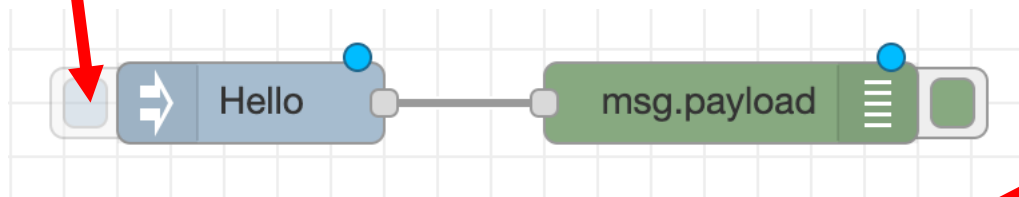
NODE-RED: HELLO WORLD!

- Drag & Drop an **inject node** (input)
- Drag & Drop a **debug node** (output)
- Connect 2 nodes together
- DoubleClick **inject node** to open node properties window, change Payload to “**string**” and input a string “**Hello World**”

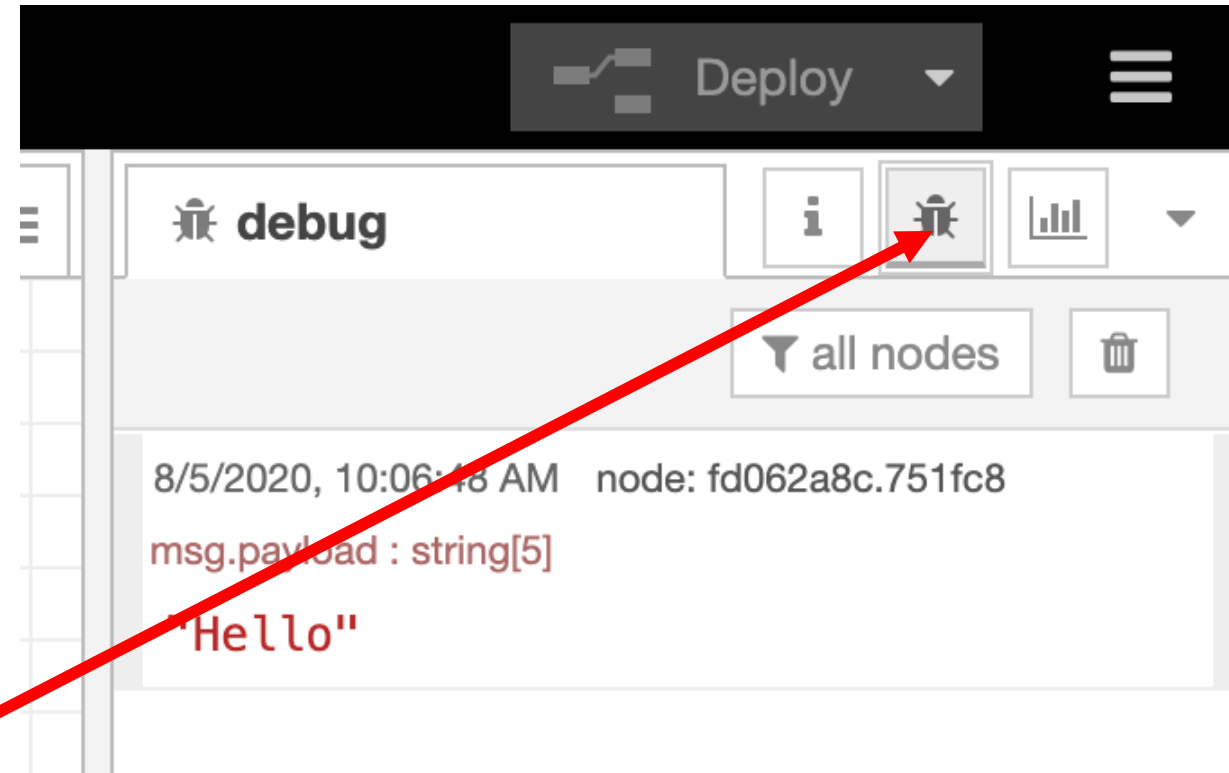


NODE-RED: HELLO WORLD! (tt)

- Deploy project (select **Deploy button** on the top right hand)
- **Trigger** to send a string "Hello World" from inject node to debug node



- View result on **Debug window**

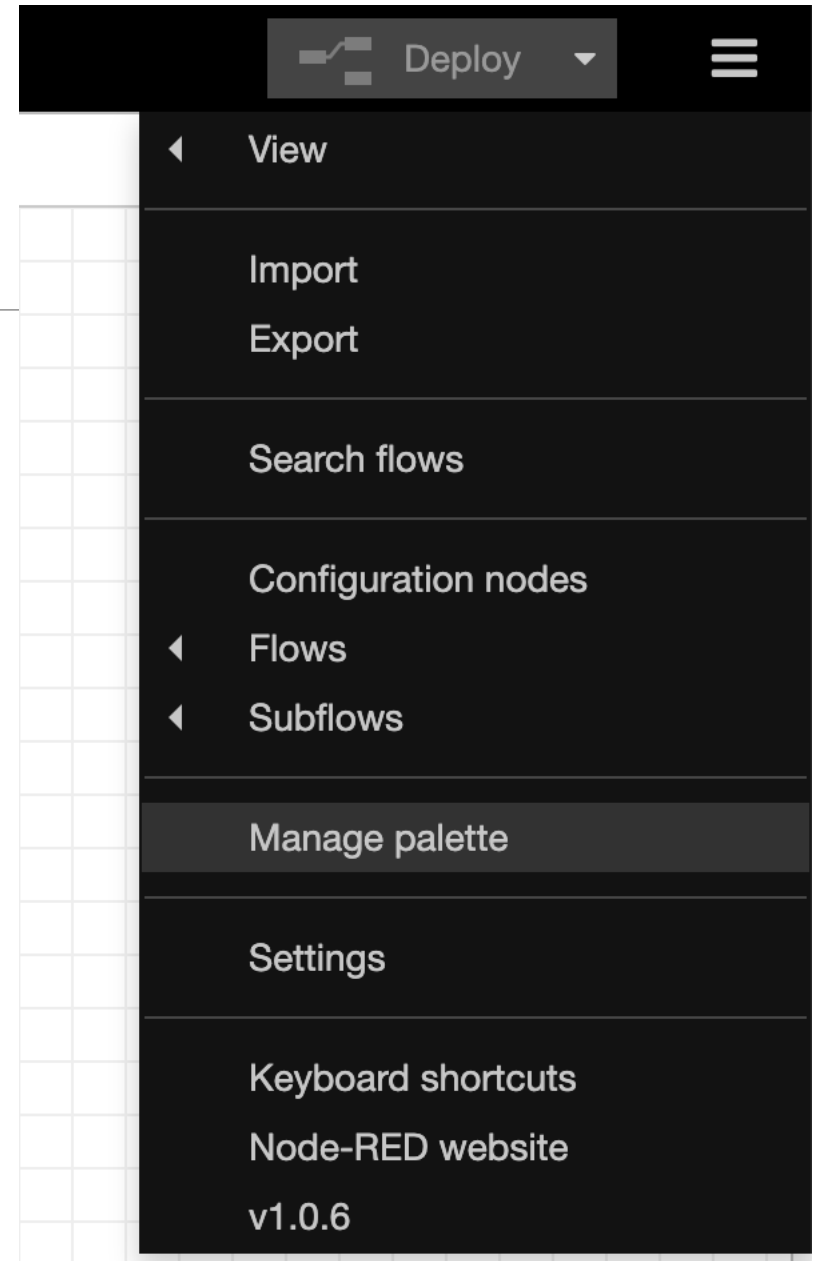




NODERED-UI

INSTALL NODE-RED-UI

- Select **Top-Right icon > Manage palette < Install tab**
- Search “**node-red-dashboard**” > **install**
- Restart node-red



INSTALL NODE-RED-UI (tt)

- Search “node-red-dashboard” > **install**
- Restart node-red

The screenshot shows the 'User Settings' dialog in Node-RED. The 'Nodes' tab is selected, and the search bar contains 'node-red-dashboard'. Two results are displayed:

Node Name	Description	Version	Updated	Status
node-red-dashboard	A set of dashboard nodes for Node-RED	2.23.0	3 weeks ago	installed
node-red-node-ui-list	Node-RED Dashboard UI widget node for simple list	0.3.1	1 month ago	install

INSTALL NODE-RED-UI (tt)

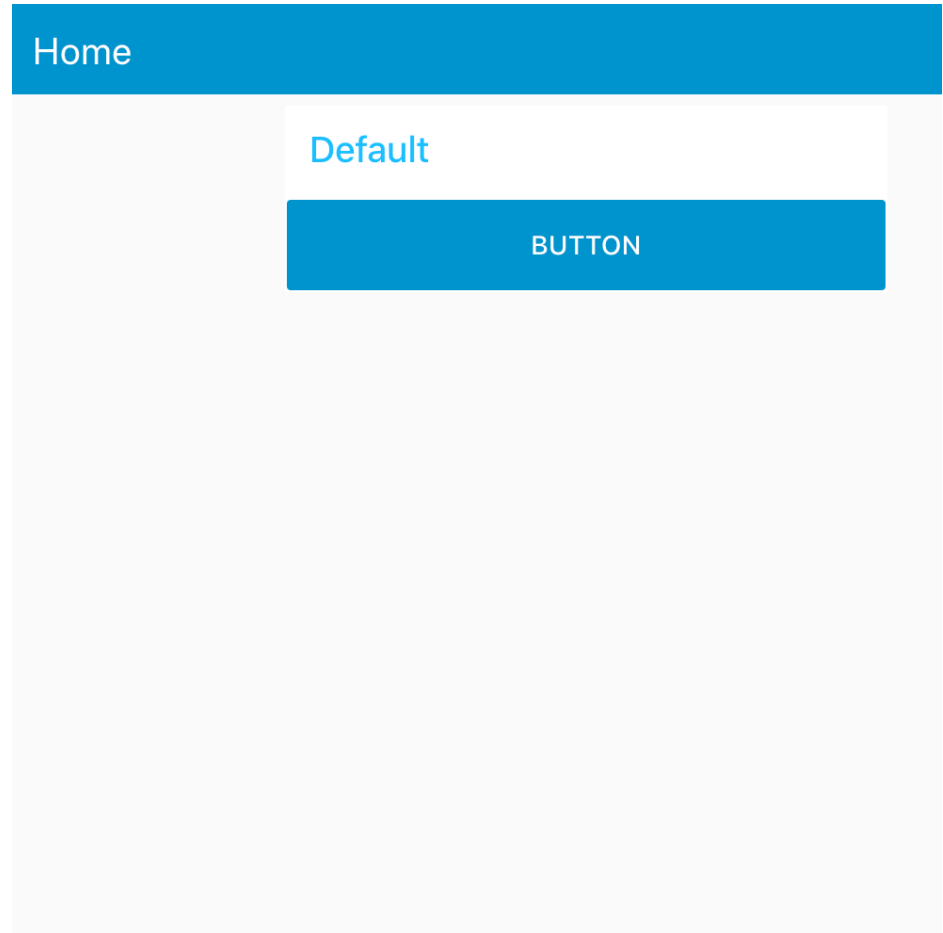
- Drag & Drop a **Button node** on tab **Dashboard**
- DoubleClick Button to configure properties
- Edit **Group** properties > **Tab** properties > enter **Name** of Tab > **Update** > **Update** > **Done**

The screenshot shows the 'Edit dashboard group node' configuration window. At the top, there is a breadcrumb 'Edit button node > Edit dashboard group node'. Below this are three buttons: 'Delete', 'Cancel', and 'Update'. The main section is titled 'Properties' and contains the following fields:

- Name:** A text input field containing 'Default'.
- Tab:** A dropdown menu showing 'Home' with a pencil icon for editing.
- Width:** A numeric input field containing '6'.
- Display group name:** A checked checkbox.
- Allow group to be collapsed:** An unchecked checkbox.

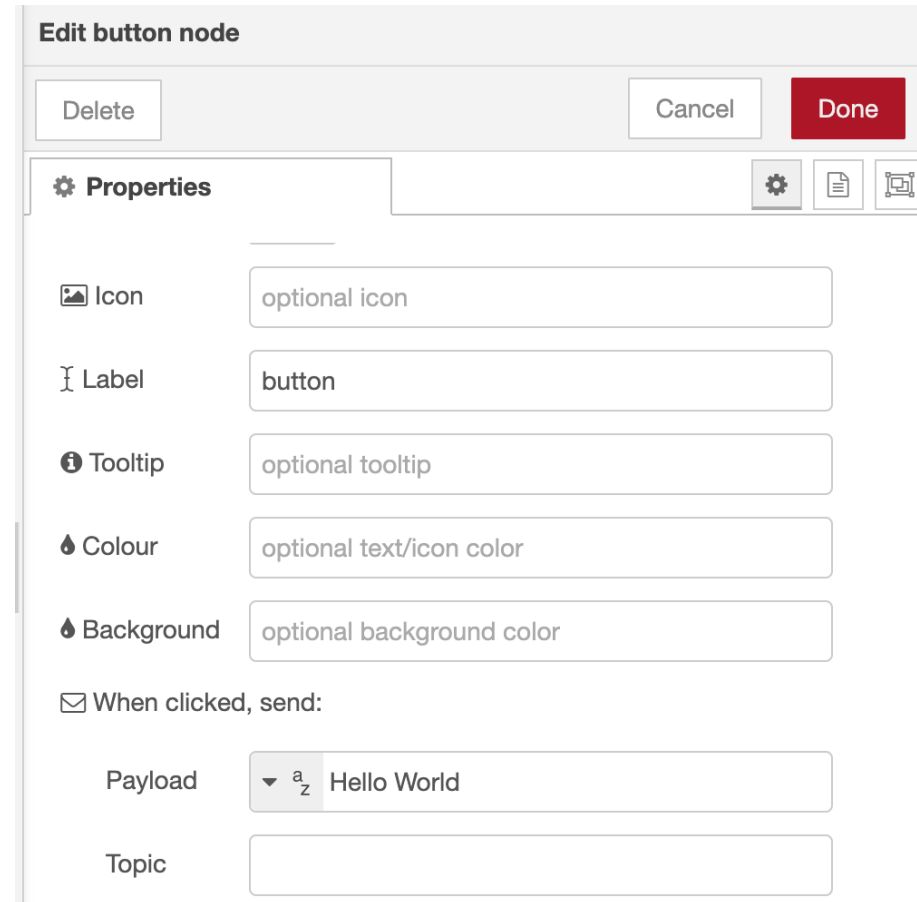
INSTALL NODE-RED-UI (tt)

- Deploy
- Run <http://localhost:1880/ui>



INSTALL NODE-RED-UI (tt)

- Edit **Payload** properties of **Button**
node > input “**Hello World**” string to
Payload field
- **Done**



Edit button node

Delete Cancel Done

Properties

Icon optional icon

Label button

Tooltip optional tooltip

Colour optional text/icon color

Background optional background color

☒ When clicked, send:

Payload ▼ a_z Hello World

Topic

INSTALL NODE-RED-UI (tt)

- Drag & Drop a **Text** node
- Connect the **Button** node to **Text** node
- Deploy & Run



Group

[Home] Default

Size

auto

Label

text

Value format

{{msg.payload}}

Layout

label value

label value

label value

label value

label value

Name