

Production Supporting Systems in Factories

ระบบสนับสนุนการผลิตในโรงงานอุตสาหกรรม

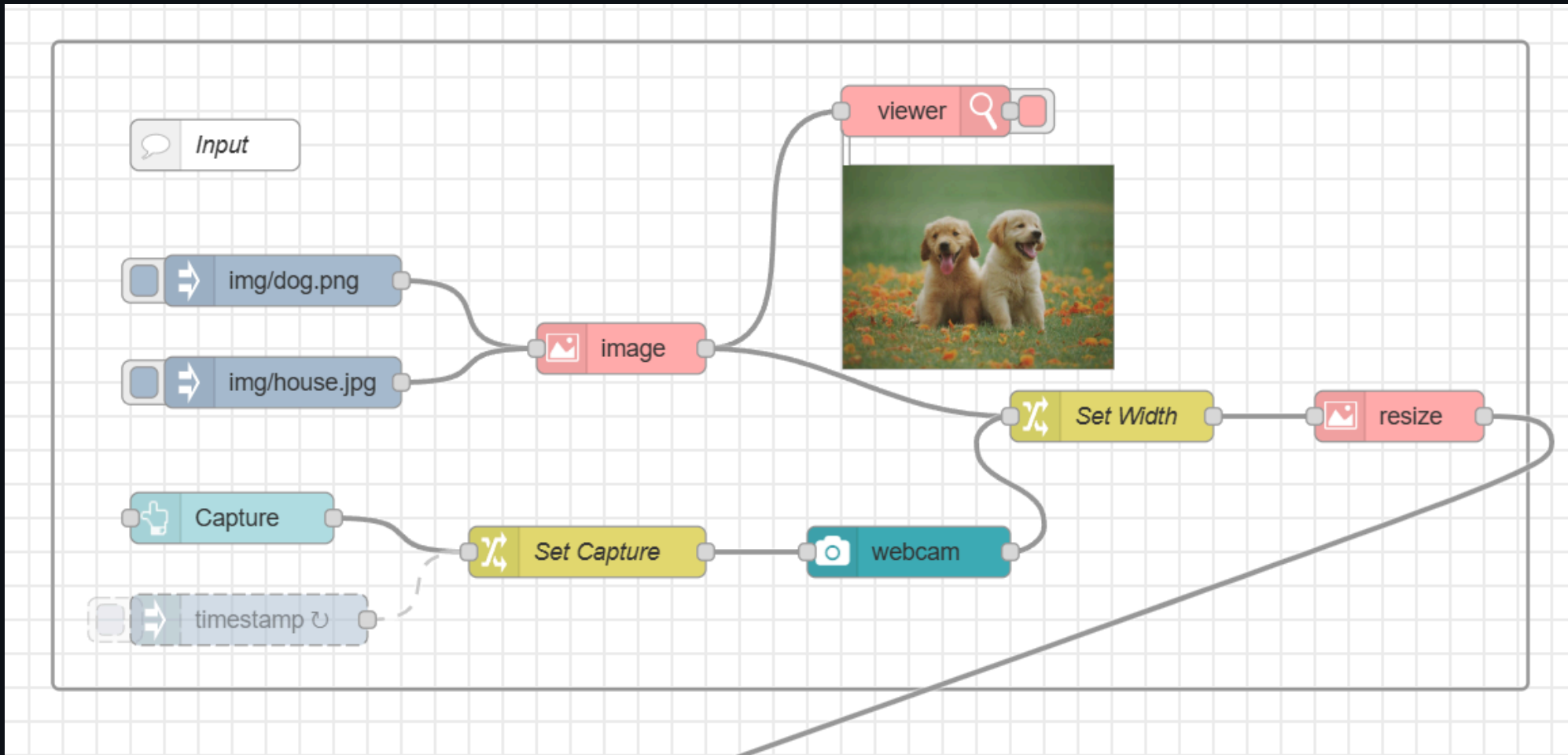
Setting up ML server

- Get [code](#)
- `pnpm install`
- `pnpm run build`
- `pnpm run start`
- Test if server is running.
 - <http://localhost:3003>

Preparing node-red

- `pnpm install node-red-contrib-image-tools node-red-node-ui-webcam node-red-dashboard`

Image input flow



The screenshot displays a Node-RED workflow on the left and the Properties panel for an 'image' node on the right. In the workflow, a 'webcam' node is connected to a 'Set Capture' node, which then connects to an 'image' node. The 'image' node is highlighted with a red box, and a red arrow points from the 'buffer' option in the Properties panel to it. The Properties panel includes fields for Name, image source (set to 'msg. payload'), Function (set to 'none'), Output (set to 'buffer'), and Output Property (set to 'msg. payload').

Properties

Name:

image:
A string containing a file path, URL or base64 image can be used as an image source. NOTE: Passing in an image object is faster as there is no conversion required before processing.

Function:
Just loads the image.

Output:
Sending an image is much faster as there is no additional conversion required.

Output Property:
The msg property in which to send the resulting image.

The image shows a Node-RED interface. On the left, a flow is visible on a grid background. It includes a 'viewer' node (red), a 'Set Width' node (yellow, highlighted with a red box), and a 'webcam' node (teal). The 'Set Width' node is connected to the 'viewer' node. On the right, the 'Properties' panel is open, showing the configuration for the 'Set Width' node. The 'Name' field is set to 'Set Width'. The 'Rules' section contains two rules, each highlighted with a red box:

- Rule 1: 'Set' dropdown, 'msg. width' property, 'to the value' dropdown, and '300' value.
- Rule 2: 'Set' dropdown, 'msg. height' property, 'to the value' dropdown, and '-1' value.

Name

image

Function

Output

Output Property

</> w

</> h

Name

msg. payload

A string containing a file path, URL or base64 image can be used as an image source. NOTE: Passing in an image object is faster as there is no conversion required before processing.

resize

resize the image. One of the w or h parameters can be set to automatic ("Jimp.AUTO" or -1).

buffer

Sending an image is much faster as there is no additional conversion required.

msg. payload

The msg property in which to send the resulting image.

msg. width

(Required) the width to resize the image to (or "Jimp.AUTO" or -1)

msg. height

(Required) the height to resize the image to (or "Jimp.AUTO" or -1)

Telegram Mobile Sensor (Backup)

Edit change node

Delete Cancel Done

Properties

Name Set Capture

Rules

Set to the value

msg. capture

true