

Setup SOP about node-red-contrib-edgetpu-inference 1.0.2

1. Download the node-red-contrib-edgetpu-inference.zip

2. Open the terminal

3. unzip the node-red-contrib-edgetpu-inference.zip

```
unzip node-red-contrib-edgetpu-inference.zip
```

4. Install the environment for Shenzhou and Node-red

```
cd node-red-contrib-edgetpu-inference
```

```
./install_requirements.sh
```

- If the environment for Shenzhou and Node-red have been installed and want to update the packages of node-red-contrib-edgetpu-inference only, please run the following commands:

```
cd node-red-contrib-edgetpu-inference
```

```
sh ./reinstall_node-red-edgetpu.sh
```

5. Reboot the system

6. Check the Shenzhou work normally

```
ls -l /dev/apex_*
```

If the return value isn't empty, the Shenzhou work normally

7. Open the terminal and Open the node-red by the following command:

```
cd ~/.node-red
```

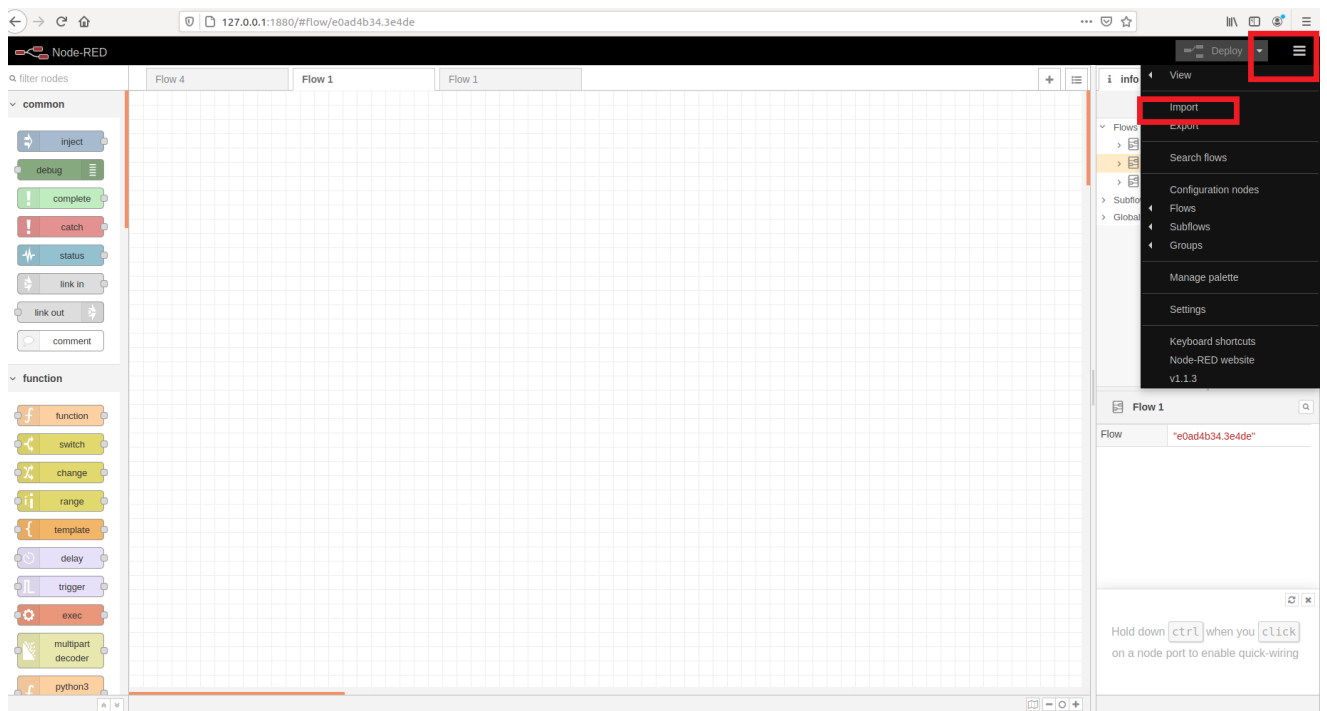
```
node-red
```

8. copy the link "http://127.0.0.1:1880 (<http://127.0.0.1:1880>)" to web browser

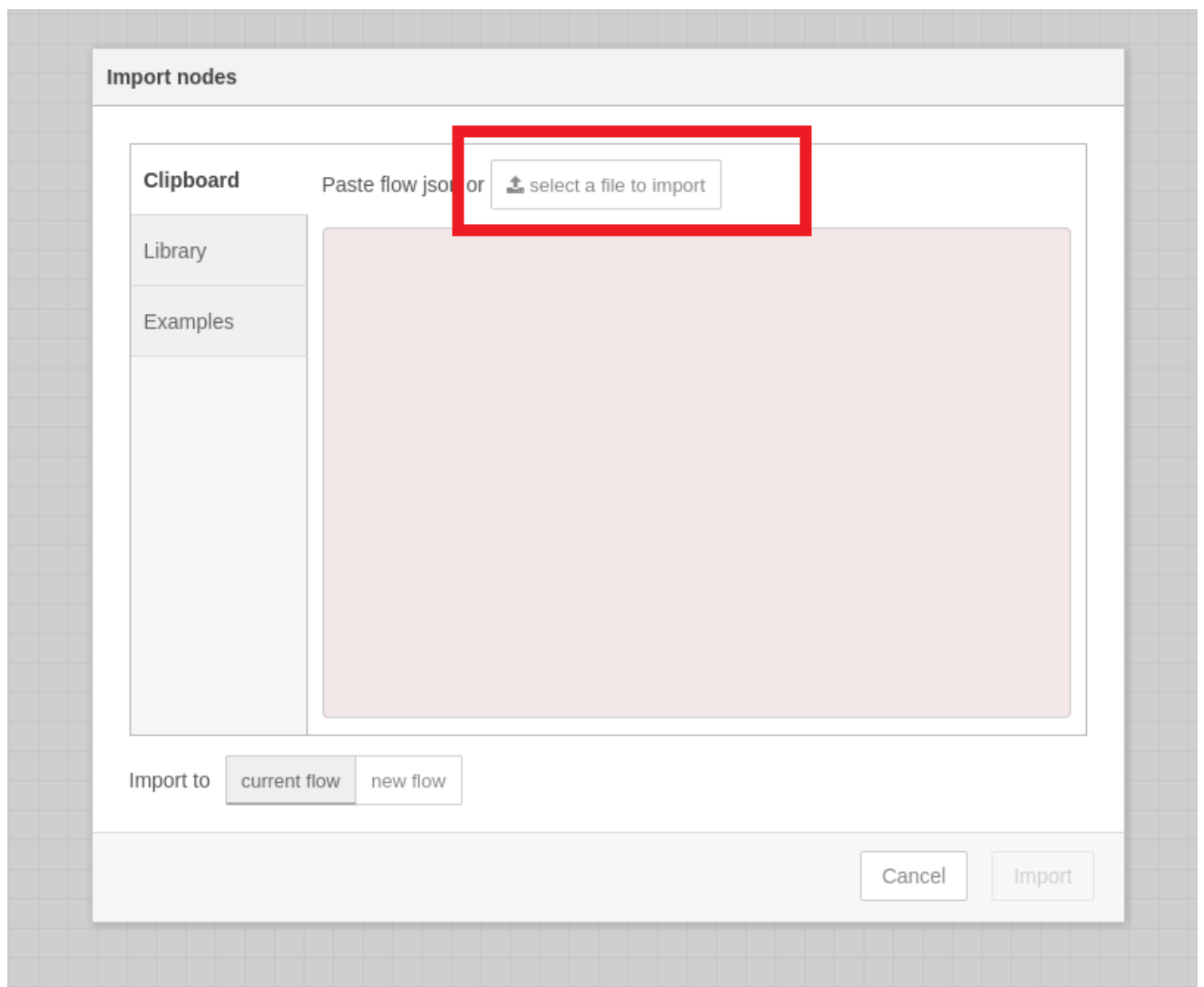
9. You can look the following screen and import the example flow by the following steps:

- Example 1: Object Detection by EdgeTPU

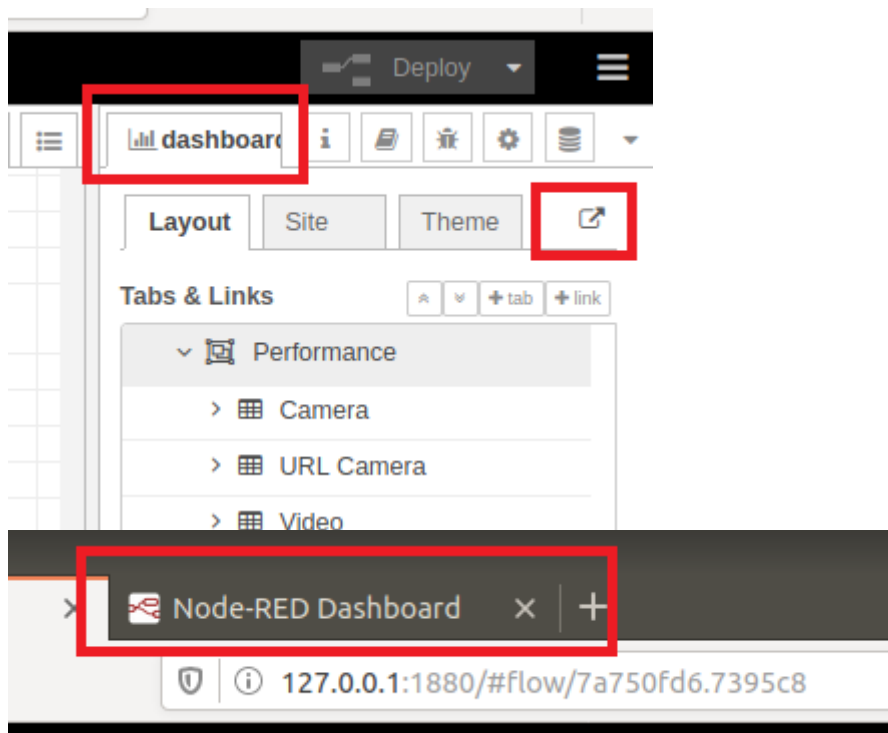
a. Select the menu -> import item



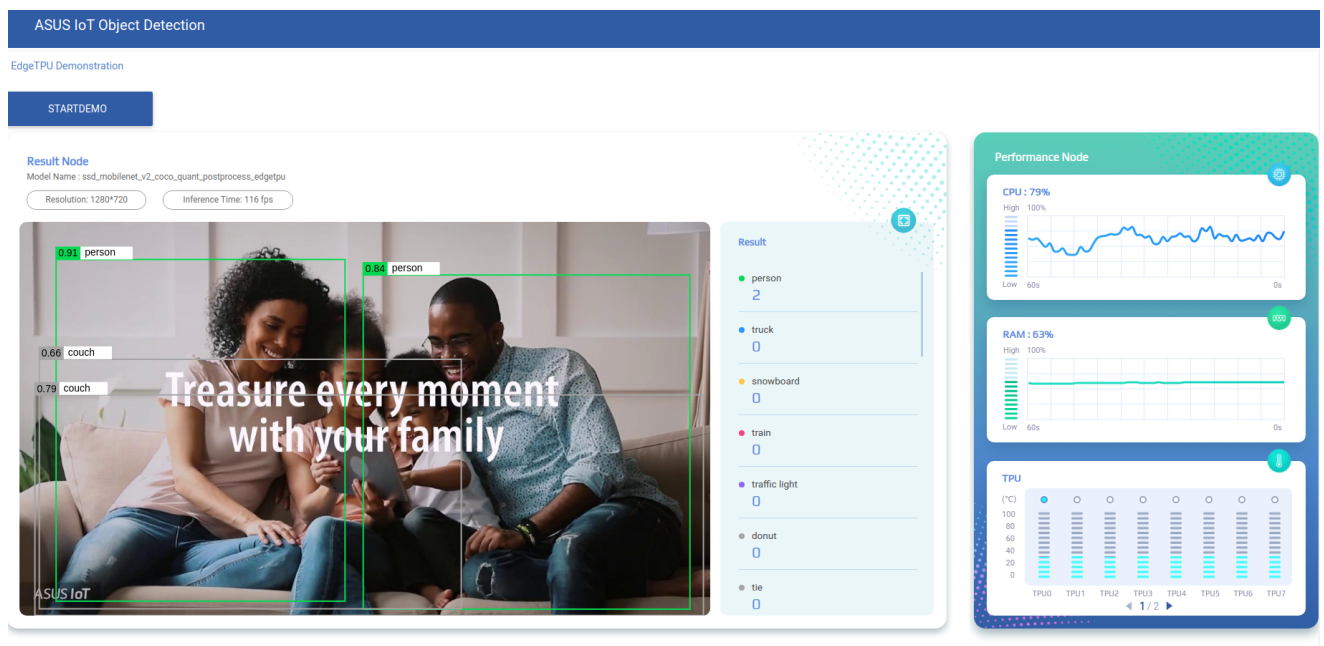
b. Click the button "select a file to import" and select node-red-contrib-edgetpu-inference/exmaples/Inference_by_TPU_example_flow.json



c. Click the import button

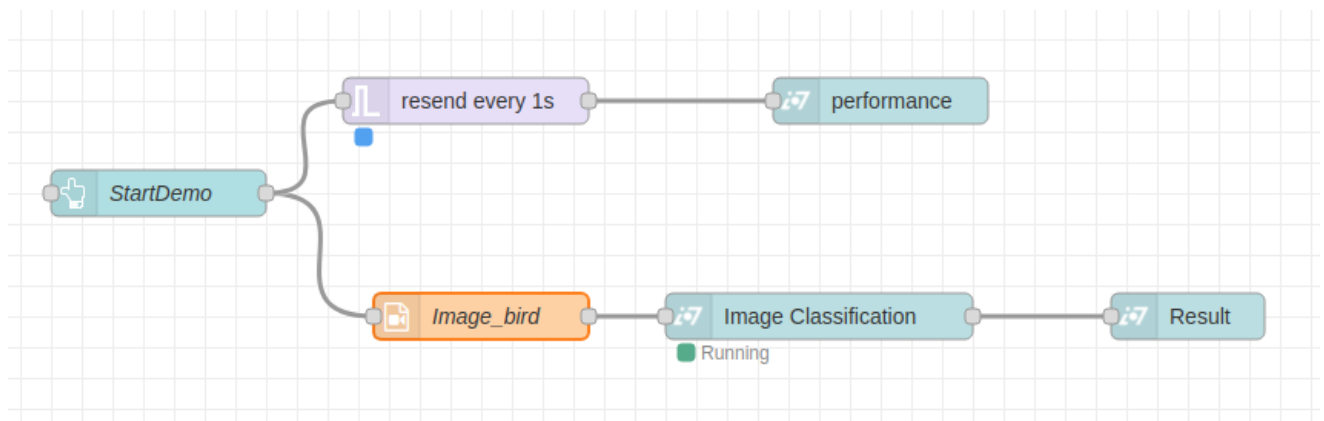


f. Check the following dashboard information and click the “StartDemo” button. You will look at the following results:



- Exmaple 2: Image Classification by EdgeTPU

a. Click the button “select a file to import” and select node-red-contrib-edgetpu-inference/exmaples/Inference_by_TPU_example_flow_for_image.json



b. Check the following dashboard information and click the “StartDemo” button. You will look at the following results:

