Setup SOP about node-red-contrib-edgetpu-inference `1.0.1`

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

2. Open the terminal

3. uzip 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:

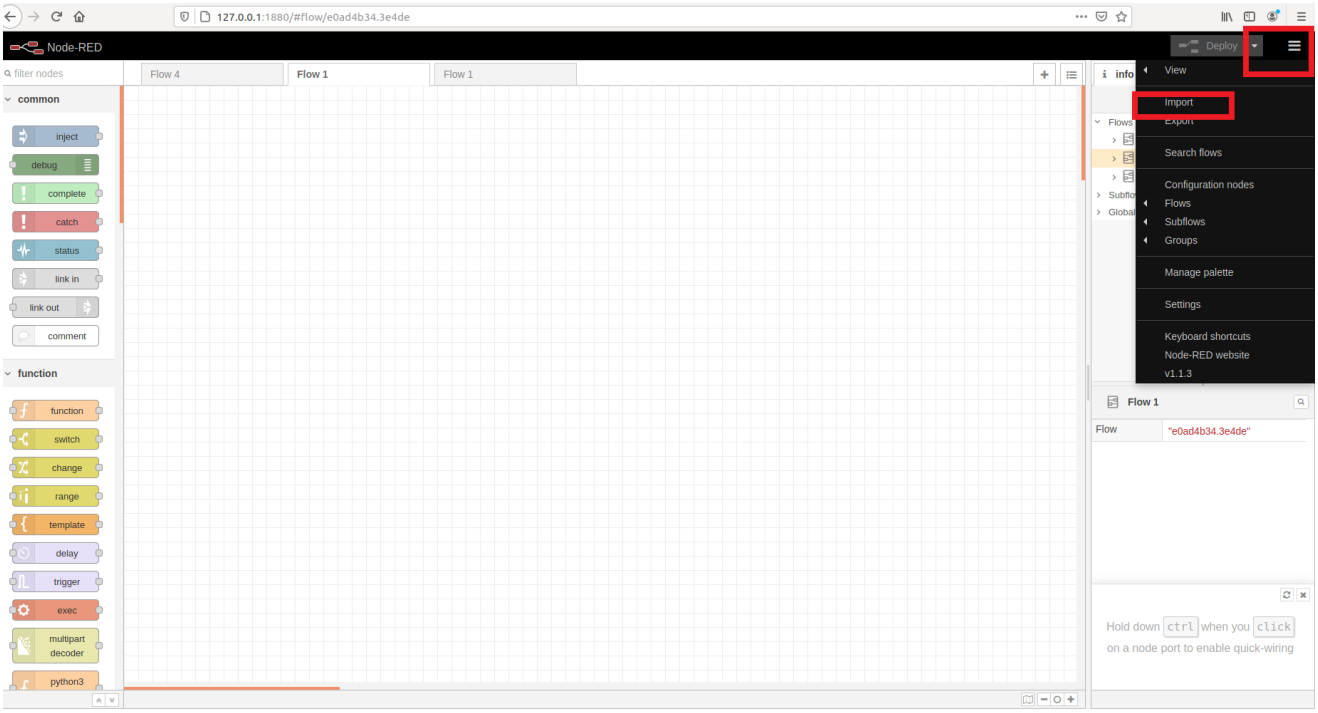
   ```
   cd ~/.node-red

   node-red
   ```

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

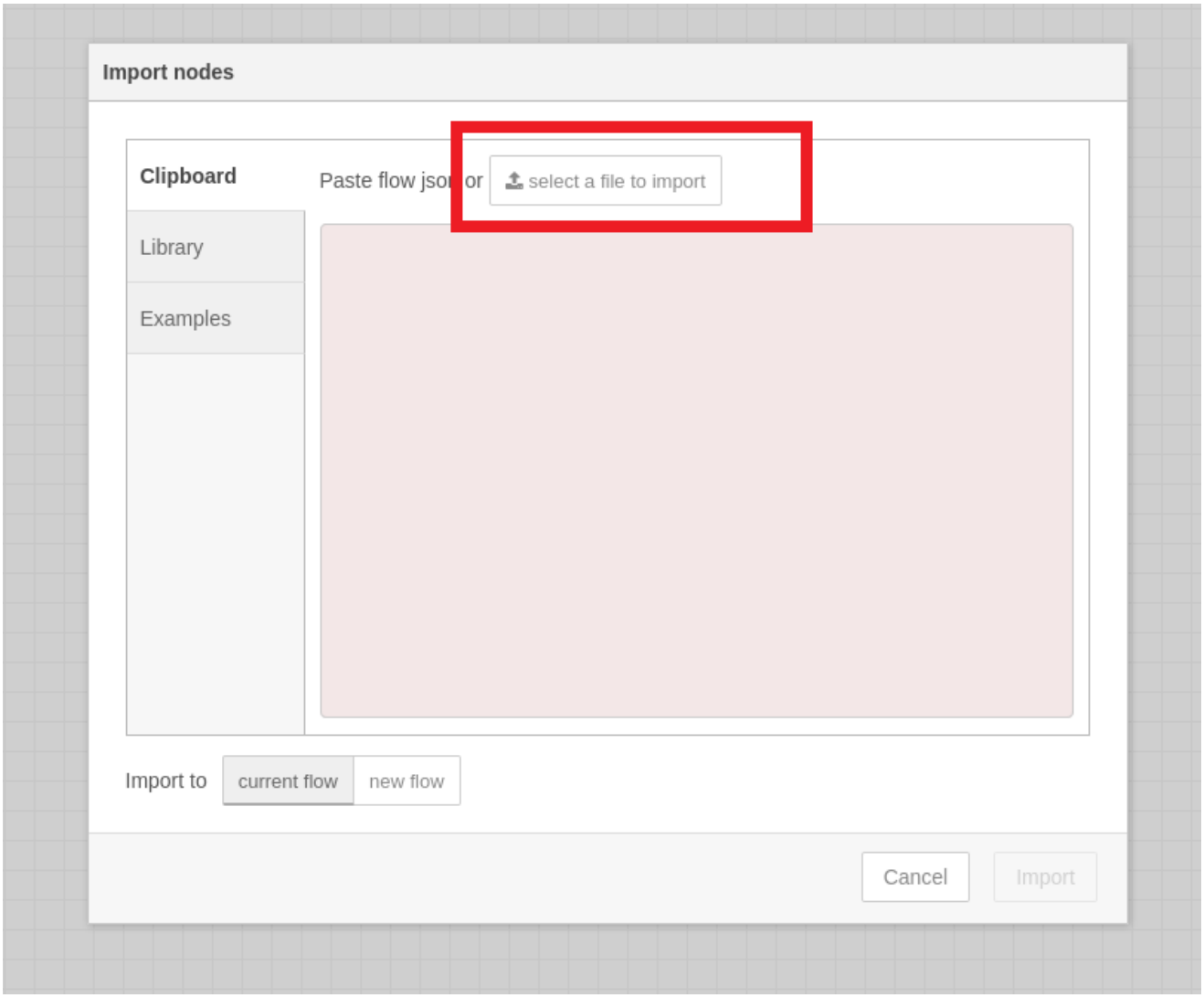
9. You can look the following screen and import the example flow by the following steps:

- Exmaple 1: Object Detection by EdgeTPU

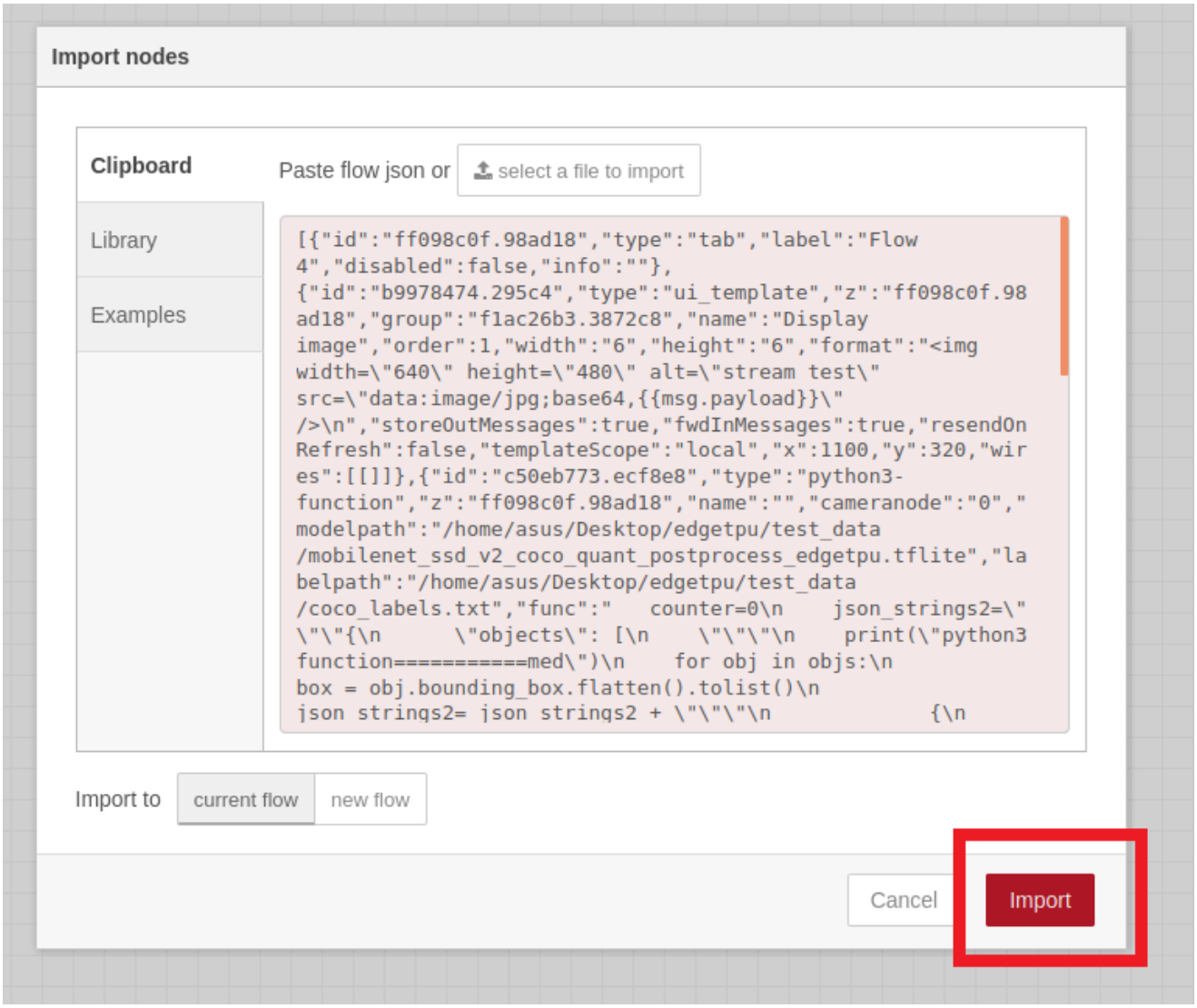
  a. Select the menu -> import item



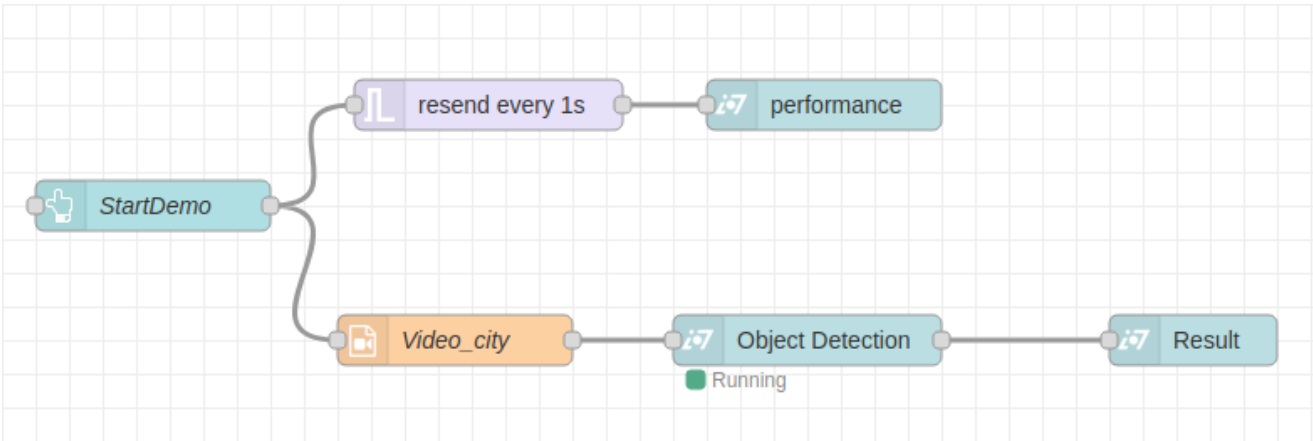
  b. Click the button “select a file to import” and select node-red-contrib-edgetpu-inference/exmaples/Inference_by_TPU_example_flow.json



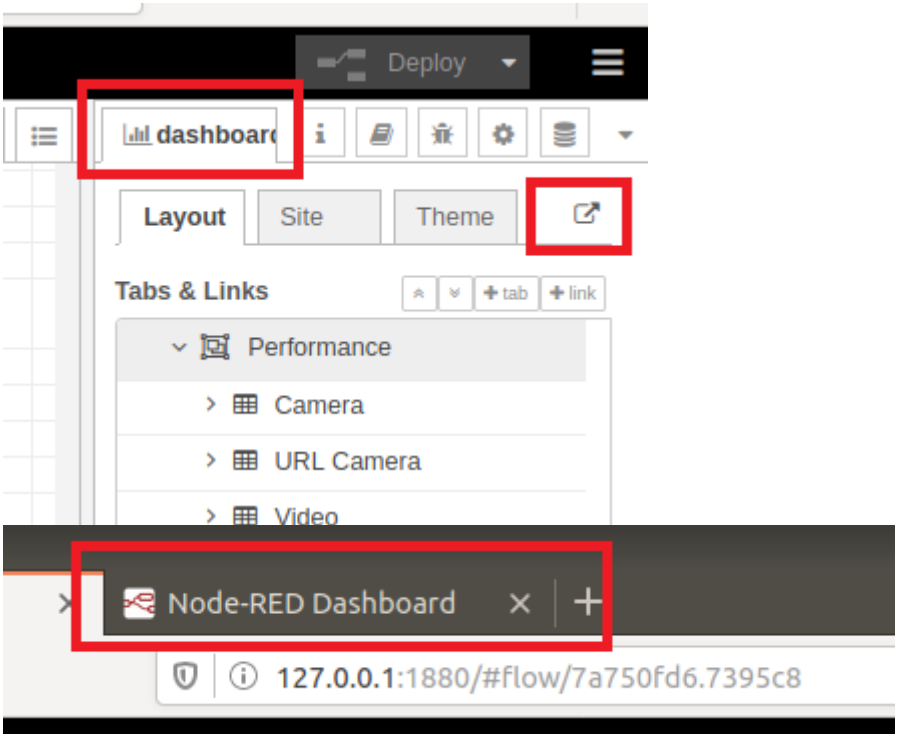
c. Click the import button



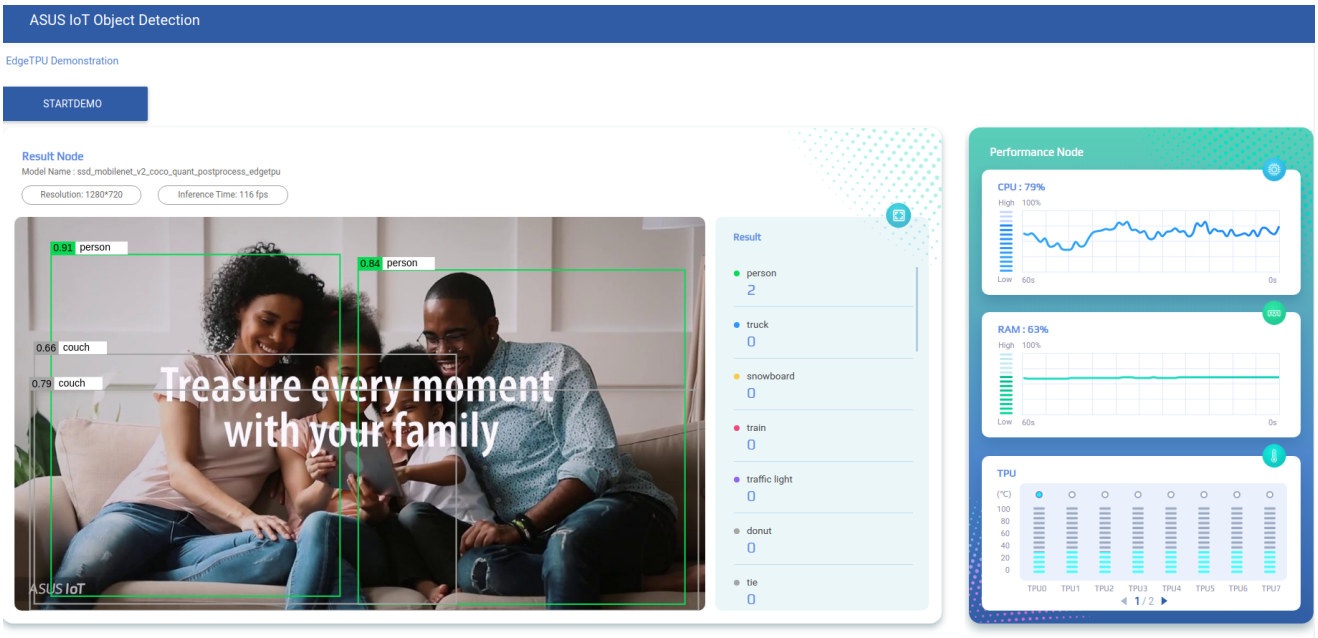
d. Chck the example flow and click the Deploy button



e. Click the dashboard menu and open the web tab of dashboard

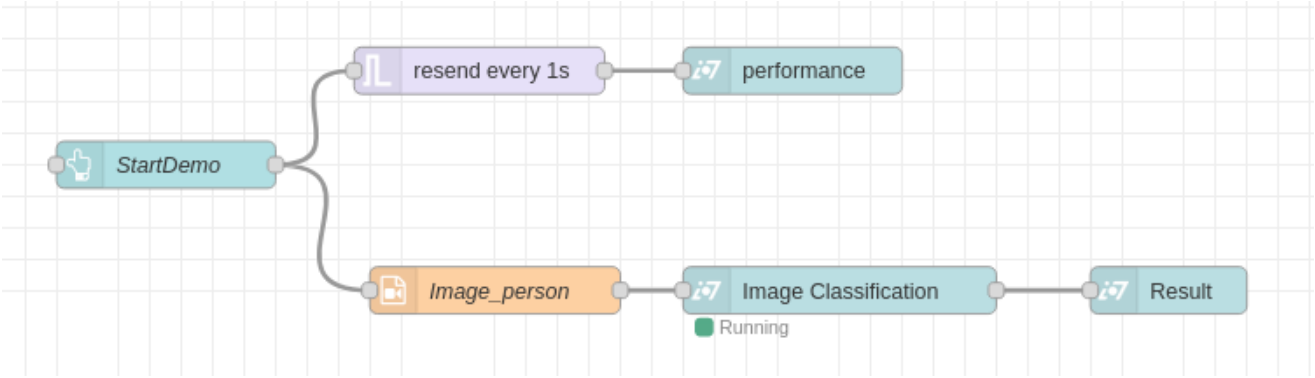


f. Check the following dashboard infomation and click the “StartDemo” button. You will look at the following results:

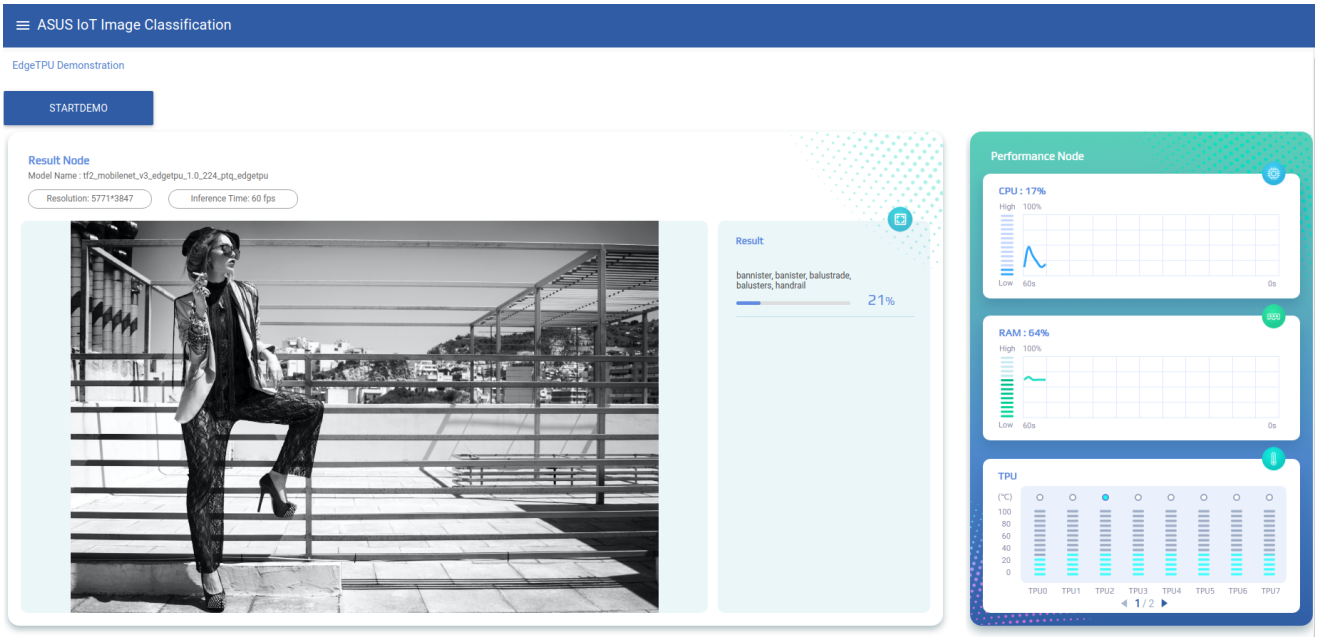
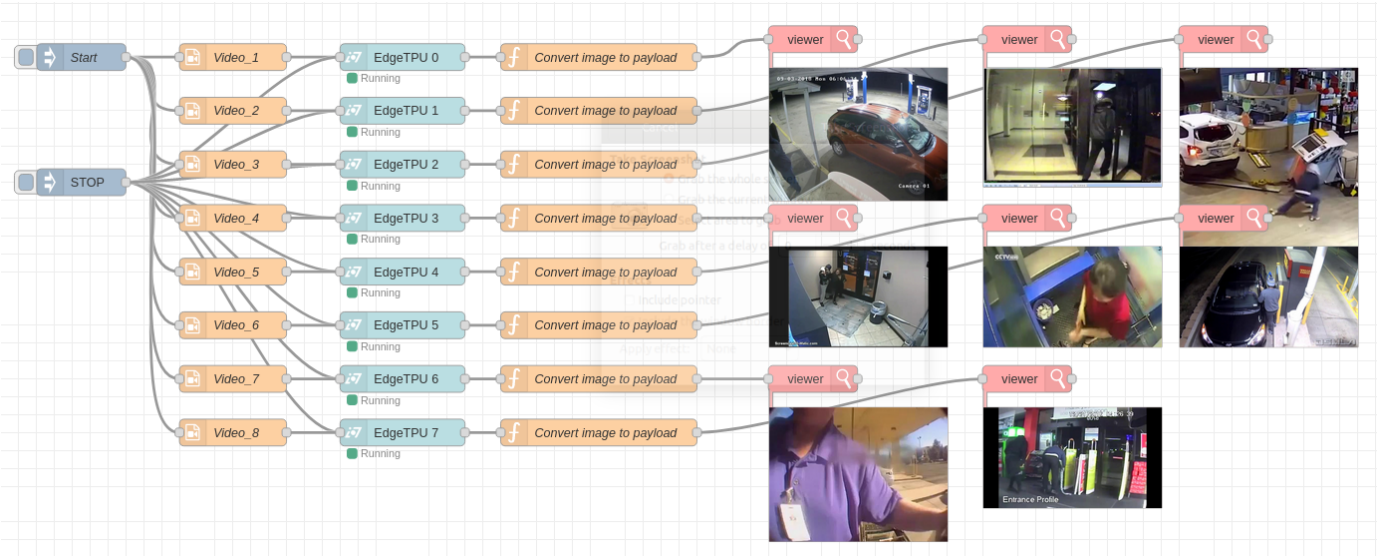


- Exmaple 2: Image Classification by EdgeTPU

  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 infomation and click the “StartDemo” button. You will look at the following results:



- Exmaple 3: Parse “Person” label for multiple sources to multiple EdgeTPU
  a. Click the button “select a file to import” and select node-red-contrib-edgetpu-inference/exmaples/Inference_by_multiple_source_to_multiple_EdgeTPU.json and click the “Start” button. You will look at the following results