Node-RED A visual tool for wiring the Internet of Things
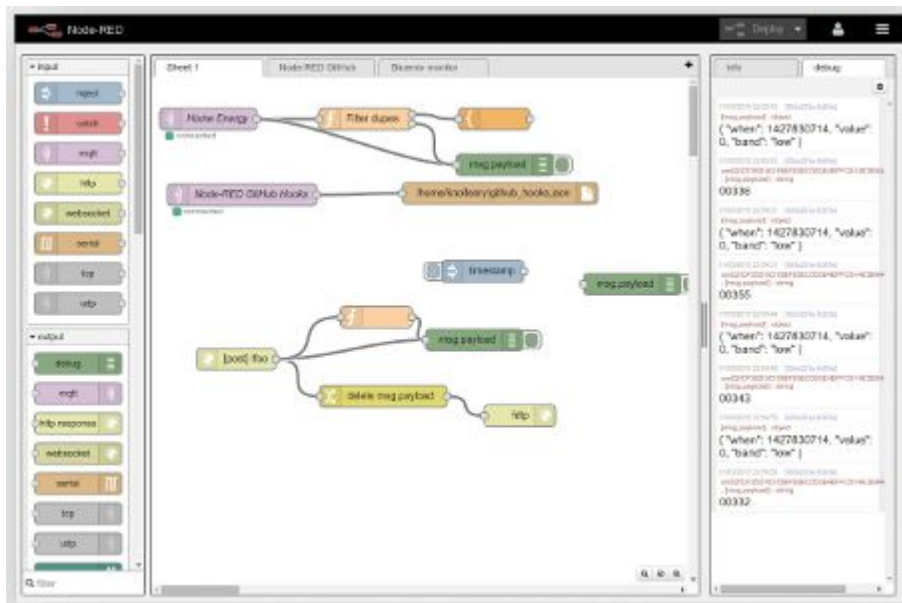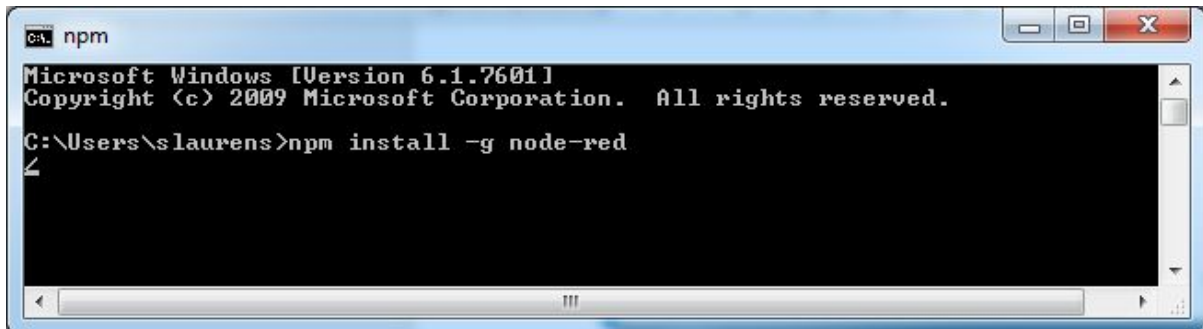

A. Installation (Windows):

1. http://nodered.org/docs/getting-started/installation.html

2. Node-RED requires version 0.10.x of Node.js.
   https://nodejs.org/en/download/

3. For windows
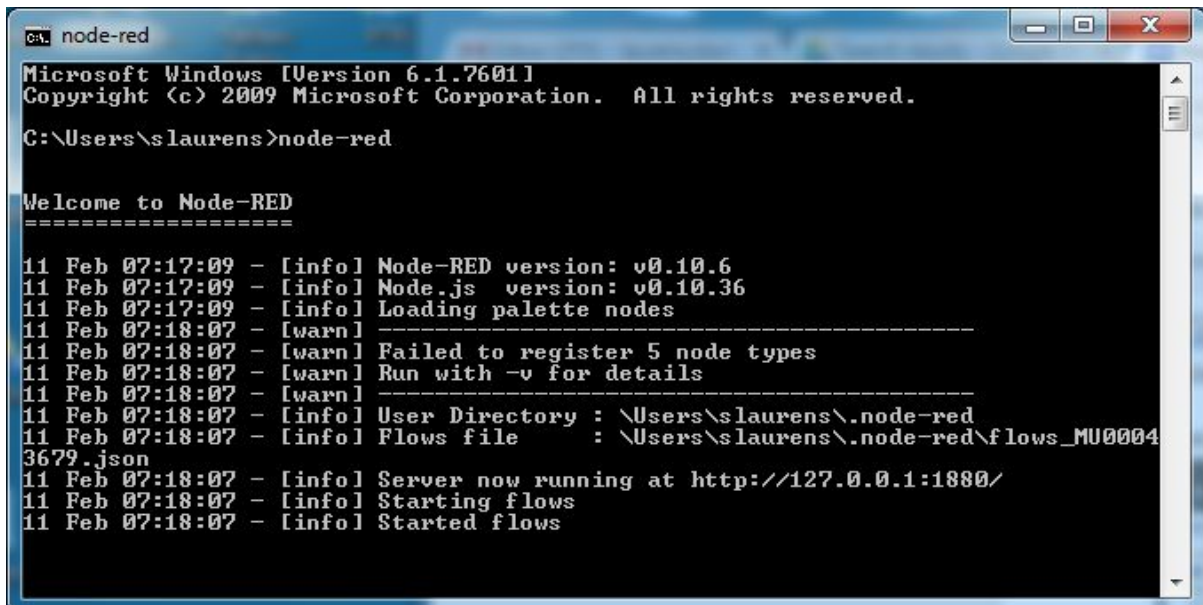   http://nodejs.org/dist/v0.10.36/x64/node-v0.10.36-x64.msi
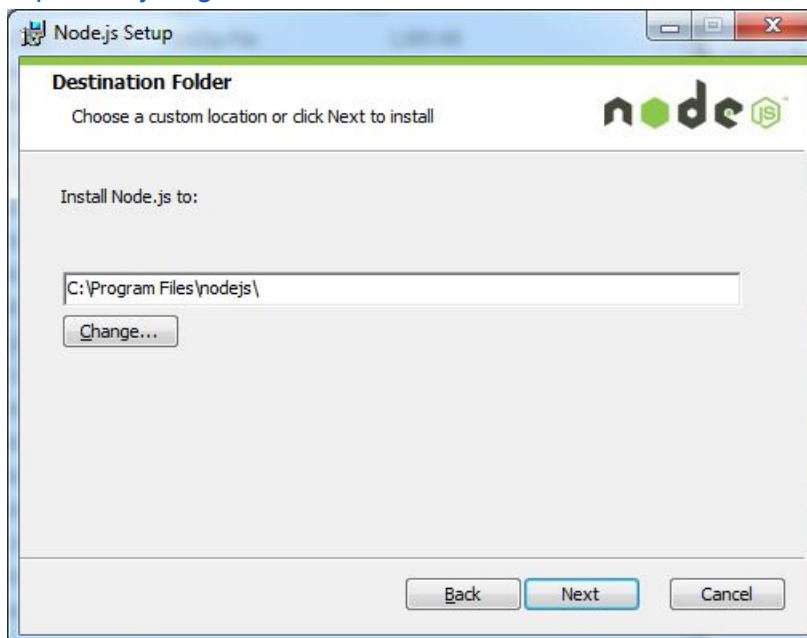
4. Then use npm to install node-red:
   > npm install -g node-red
   (npm is node package manager, but it's in node not node-red)

5. If you have installed Node-RED as a global npm package, you can then use the node-red command:
   > node-red
   (and wait)

6. 'Allow'

7. Which should launch a browser for you, or you can then access the Node-RED editor at http://localhost:1880
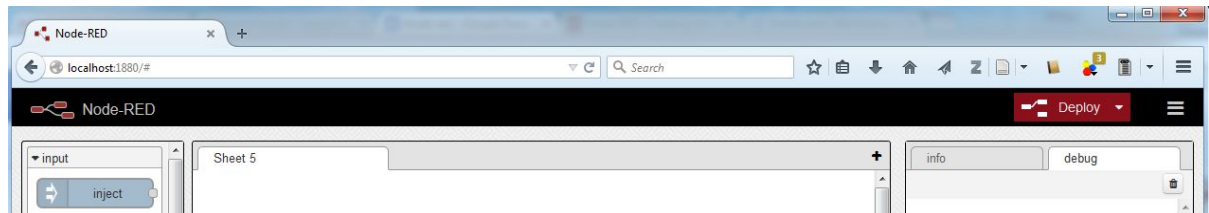
8. To see (or similar, that's a pre-existing flow shown):
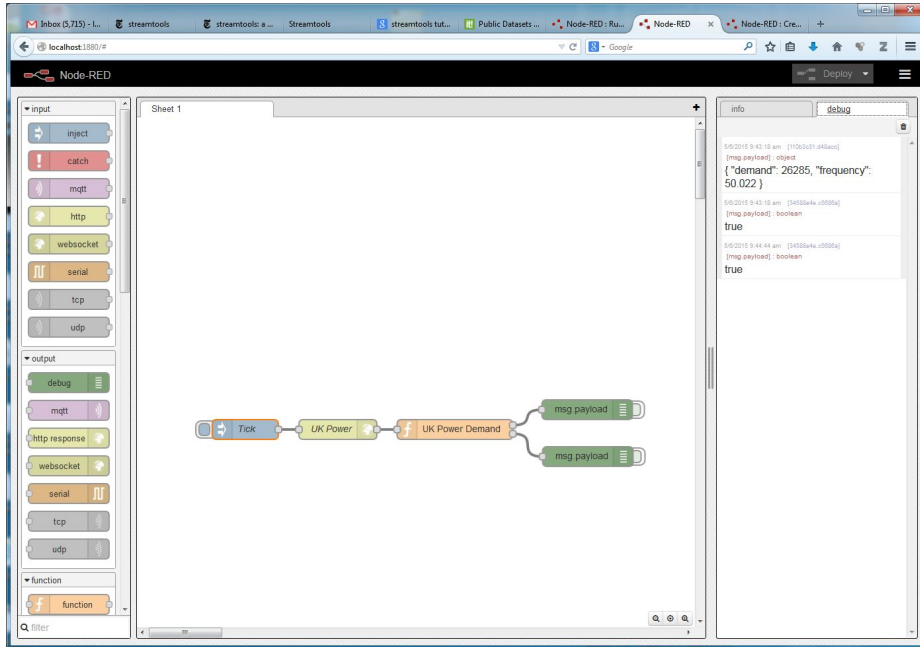
B. Building flows
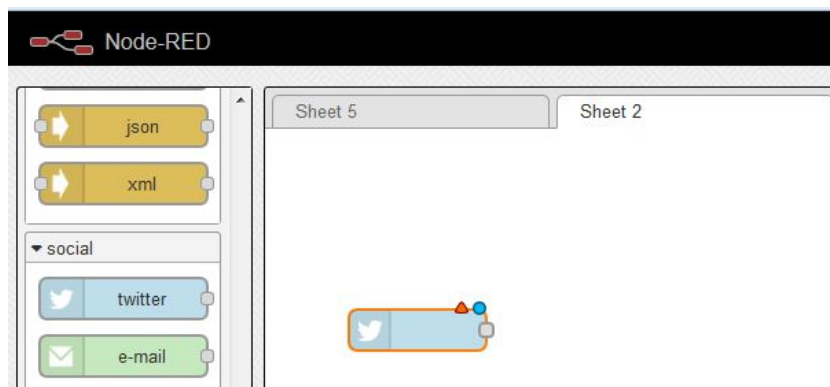
There are examples e.g. http://nodered.org/docs/creating-nodes/first-node.html

Or build your own (this one requires a Twitter account)

Step 1. Create a New sheet, use the '+' (beside the 'info' tab at right, below)

Step 2. From the menu at left find twitter node and drag it onto the new sheet (as below):

The small red arrow is a warning/error, you need to add Twitter credentials to use... so:

**Step 3.** Double click on the node to see:

Enter YOUR Twitter account name and something to search for (neither too popular nor too obscure). Note the big 'NOT' as in you do NOT have access to 100% of tweets (more like 1%).
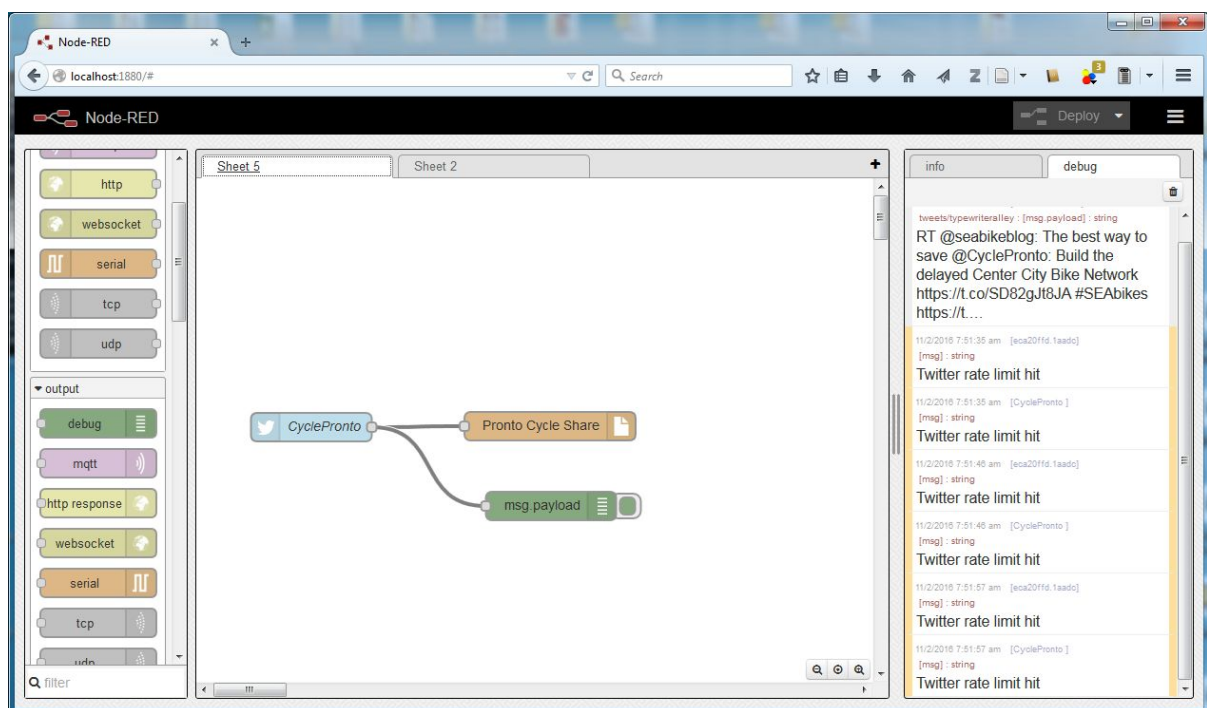
Step 4. Connect the node to some processing or output, the easiest is to use debug, drag, drop, connect (the two nodes), move the debug node around to see that they are connected:
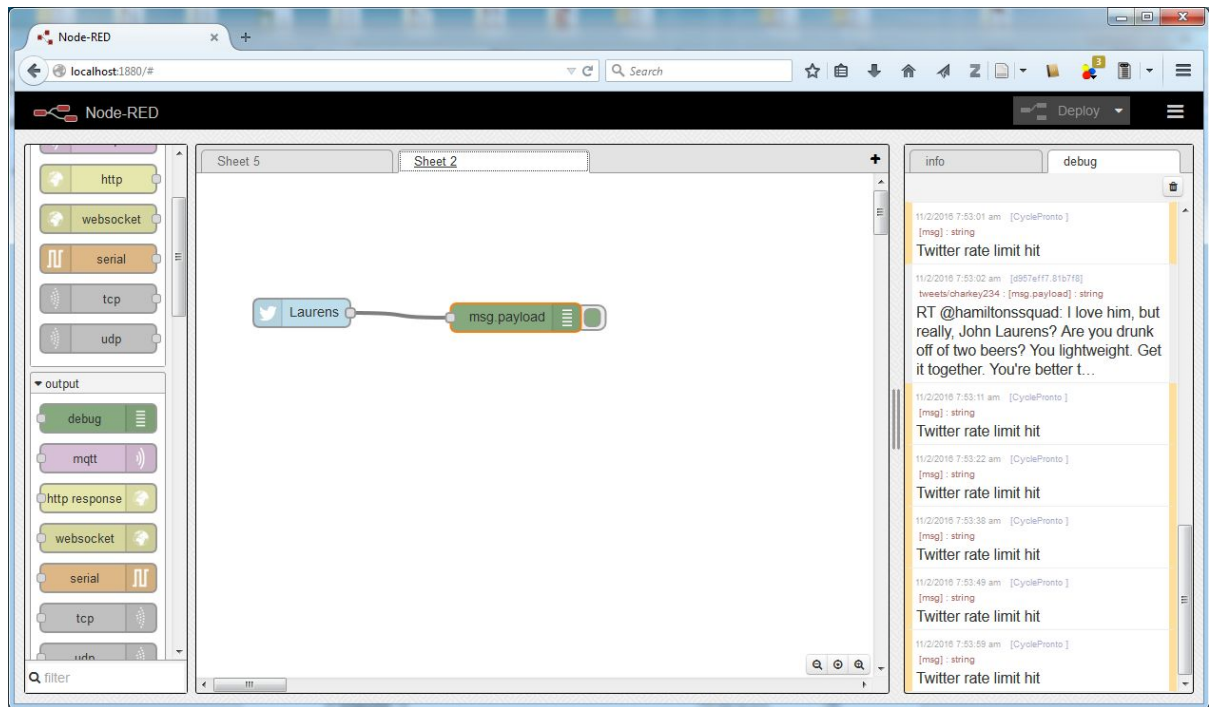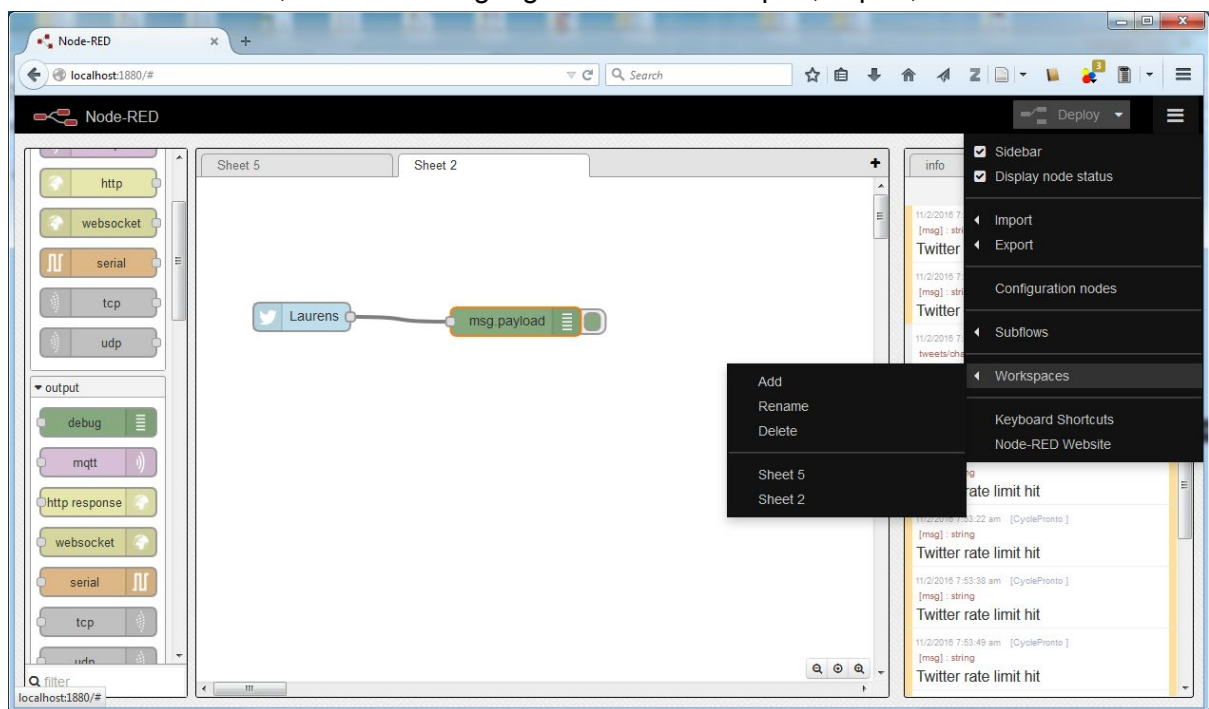

Step 5. Now 'deploy'
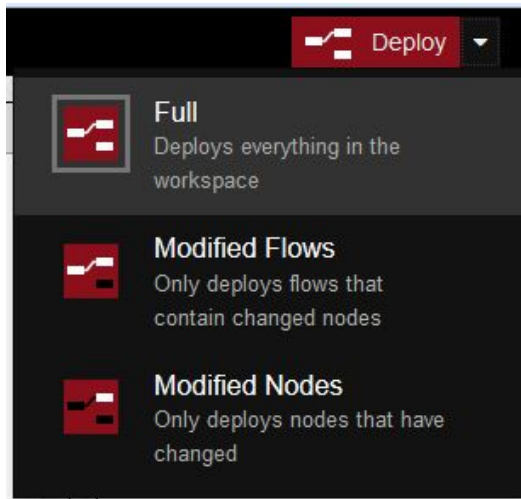
Step 6. Activate debug and look at the debug tab (far right) for output:
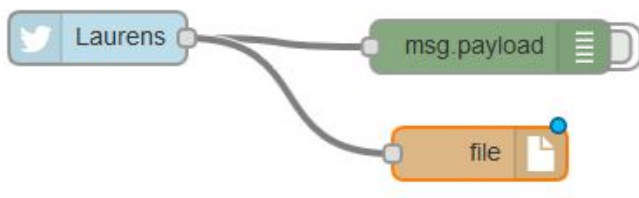

You can see 'Twitter rate limit hit' (sigh), but output from another flow is at top ('Pronto cycle share')... Update, there's one:

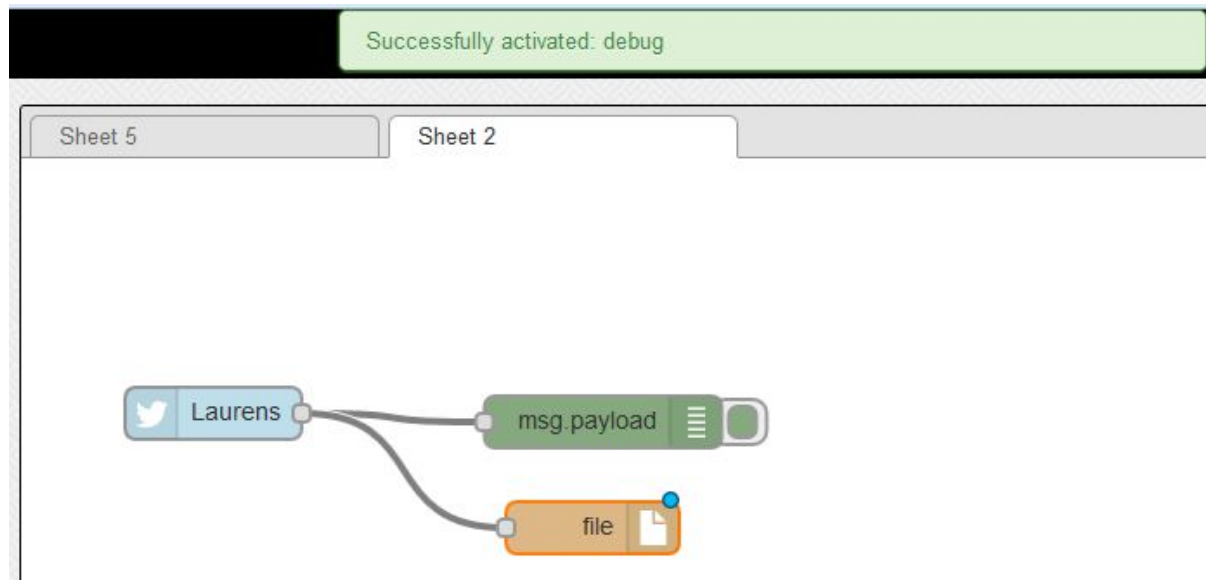But wait there's more, the menu at right gives access to import, export, sheets etc.

Debug off:

Debug on (the only difference is the small tab at right of 'msg payload' node)

Now, even with debug off, the node is still running, you can see a pipe to a file node above, it will keep filling up with tweets. You can also see the console still grinding:

It's not obvious how to stop flows, delete or quit node-red are two options.