

# Use Dashboard Nodes For Creating UI

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Project Name	Smart Waste Management for Metropolitan Cities

## Steps:

**Step 1:** The Node-RED-Dashboard requires Node-RED to be installed.

**Step 2:** Restart your Node-RED instance and UI nodes will be available in the palette.

**Step 3:** The UI interface will be available at <http://localhost:1880/ui>.

**Step 4:** Then pick desired nodes and place in workspace.

**Step 5:** After creating the flow click deploy button on top right corner.

**Step 6:** Output is displayed in node red's dashboard.

## Node Red workspace

The screenshot displays the Node-RED web interface in a browser. The top navigation bar shows various tabs including IBM, IBM-P, Use D, IBM W, IBM A, Smart, Use D, Node, and Node. The address bar shows the URL: [node-red-myopq-2022-09-22.eu-gb.mybluemix.net/red/#flow/175322dfba475508](http://node-red-myopq-2022-09-22.eu-gb.mybluemix.net/red/#flow/175322dfba475508). The main workspace, titled 'Flow 2', contains a flow starting with an 'IBM IoT' node (labeled 'connected'). This node branches into two parallel paths. The top path goes through a 'bin level' function node, then splits into two 'distance' nodes (labeled '123'), which connect to 'level of bin' and 'level of chart' gauge nodes. The bottom path goes through a 'bin weight' function node, then splits into two 'weight' nodes (labeled '123'), which connect to 'weight of bin' and 'weight of waste' gauge nodes. A 'msg payload' node is also present in the center. The left sidebar shows the 'filter nodes' palette with categories like 'text', 'gauge', 'chart', 'audio out', 'notification', 'ui control', and 'template'. The 'location' category is expanded, showing 'worldmap', 'worldmap in', 'tracks', and 'convex - hull'. The right sidebar features a 'debug' console with a 'debug' button and a 'msg payload' filter. The console displays a series of JSON messages, each containing 'weight' and 'level' data points, such as: 

```
{ weight: 81, level: 30 }
```

 and 

```
{ weight: 78, level: 73 }
```

. The bottom status bar shows the system clock as 2:24 PM on 11/19/2022.

# Dashboard :

