

## CREATE NODE-RED SERVICE

TEAM ID	PNT2022TMID04740
PROJECT	Smart waste management system for metropolitan cities

### Create Node-RED Service:

The screenshot displays the IBM Cloud console interface for a service named **node-red-nowpf-2022--cloudant-1668790022218**. The service is in an **Active** state. The **Overview** tab is selected, showing deployment details:

- CRN:** crn:v1:bluemix:public:cloudantnosqldb:au-syd:a/abc057326a1c431da7653c94b11af4b8:b641b77e-92fb-40d9-8c44-afd110730ef2::
- Location:** Sydney
- External endpoint:** <https://beb2ab13-3fc2-4b52-b3c9-1f708700c2fb-bluemix.cloudant.com>
- External endpoint (preferred):** <https://beb2ab13-3fc2-4b52-b3c9-1f708700c2fb-bluemix.cloudantnosqldb.appdomain.cloud>
- Authentication methods:** IBM Cloud IAM, Cloudant credentials, and a button to **Migrate to IAM Only**.
- Activity Tracker event types:** Management (dropdown menu) and Save button.

On the left sidebar, the **Manage** tab is active, with sub-options for Service credentials, Plan, and Connections. A **Launch Dashboard** button is visible in the top right.

The screenshot shows the Node-RED web interface in a browser. The URL is `node-red-nowpf-2022-11-18.au-syd.mybluemix.net/red/#flow/152097b60436e085`. The interface includes a left sidebar with node categories (filter nodes, input, output, sequence), a central workspace with a flow named **Flow 1**, and a right sidebar with a **debug** console.

**Flow 1:** The flow starts with a **Test** node, followed by an **IBM IoT** node (labeled **connected**), which is connected to a **msg payload** node.

**Debug Console:** The console shows a series of messages from the **IBM IoT** node, each containing a **msg payload** object with **randomNumber**, **temp**, and **humidity** values. The messages are timestamped and include the node ID `node: f2d649a0d0498`.

