

PREREQUISITES

Date	03 November 2022
Team ID	PNT2022TMID16061
Project Name	Project - Smart Waste Management system for Meteropolitan Cities

IBM Cloud Services:

The screenshot displays the IBM Cloud console interface. At the top, the header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (ABARNA S's Account). The main content area is titled "Internet of Things Platform-gp" and shows a status of "Active". A sidebar on the left lists navigation options: Manage, Plan, and Connections. The central panel features a large graphic of a central square with four smaller squares around it, each containing a different symbol (a circle, a square, a triangle, and a circle). To the right of this graphic, the text "Let's get started with IBM Watson IoT Platform" is displayed, followed by a description: "Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world." Below this, there are two buttons: "Launch" and "Docs". Further down, a section titled "Ready for the next level?" introduces the "IBM Watson IoT Platform Journey". This journey is represented by a horizontal timeline with three stages: "Lite", "Non-Production", and "Production". The "Lite" stage is marked with a checkmark and a description: "The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform." The "Non-Production" stage is marked with a circle and a description: "The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment." The "Production" stage is marked with a circle and a description: "The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data." A blue button with a speech bubble icon is located in the bottom right corner.

IBM Watson IoT Platform:

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
123456789	Disconnected	Node_Mcu	Device	Nov 9, 2022 8:21 PM	

Items per page 50 | 1-1 of 1 item

1 of 1 page

Node - RED:

Node-RED

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change
- range
- template

Flow 1

Hello Node-RED!

jeelree

ultra sonic

weight

gps

msg.payload

Garbage Level

Garbage Weight

Bin Location

debug

```
"11.36637,76.889828" }
11/10/2022, 10:23:02 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 48, Weight: 58, GPS:
"11.138168,76.888997" }
11/10/2022, 10:23:06 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 59, Weight: 42, GPS:
"11.206234,76.891715" }
11/10/2022, 10:23:14 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 29, Weight: 79, GPS:
"11.312577,76.818482" }
11/10/2022, 10:23:20 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 18, Weight: 66, GPS:
"11.338039,76.846347" }
11/10/2022, 10:23:26 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 69, Weight: 85, GPS:
"11.338478,76.808242" }
11/10/2022, 10:23:32 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 38, Weight: 34, GPS:
"11.445893,76.895289" }
11/10/2022, 10:23:36 PM node: f22649a0d0d98
iot-2typeNode_McuId123456789rev1toTSensor/rmt/json : msg.payload : Object
* { Ultrasonic: 20, Weight: 53, GPS:
"11.337416,76.896172" }
```

IBM Cloud x IBM Watson x Node-RED v.x x Cloudant x IBM x IBM Project-x PREREQUISITE x Node-RED v.x

7c33e628-0a23-4098-8803-15beaa488b3-blumix.cloudant.com/dashboard.html#/database/jesiree/_all_docs

Document ID Options {} JSON Create Document

All Documents Query Permissions Changes Design Documents

	id	key	value
<input type="checkbox"/>	0016e3f62b7c15e23c1e7b5a63c68a71	0016e3f62b7c15e23c1e7b5a63c68a71	{ "rev": "1-3f27eb78ffade21f2d84116eacbd1..." }
<input type="checkbox"/>	0016e3f62b7c15e23c1e7b5a63f84f6b	0016e3f62b7c15e23c1e7b5a63f84f6b	{ "rev": "1-f6669174f089de677cfcdca2e7242..." }
<input type="checkbox"/>	0016e3f62b7c15e23c1e7b5a63f8501b	0016e3f62b7c15e23c1e7b5a63f8501b	{ "rev": "1-c214a291f0f5ba9be4fa6f0afb88..." }
<input type="checkbox"/>	00f75f16d0c686faeeddb332774c22	00f75f16d0c686faeeddb332774c22	{ "rev": "1-40784590f5ec353ca528bb413a..." }
<input type="checkbox"/>	01d723fe9a3f0206df8bd2cde202fa5e	01d723fe9a3f0206df8bd2cde202fa5e	{ "rev": "1-a13bbebc315374464f8aba358ddc0..." }
<input type="checkbox"/>	01d723fe9a3f0206df8bd2cde20465d3	01d723fe9a3f0206df8bd2cde20465d3	{ "rev": "1-21542749e80f2c5681317326aa9c..." }
<input type="checkbox"/>	01d723fe9a3f0206df8bd2cde2063060	01d723fe9a3f0206df8bd2cde2063060	{ "rev": "1-37bcb4be40e428e7b7358fd399753..." }
<input type="checkbox"/>	01d723fe9a3f0206df8bd2cde263e291	01d723fe9a3f0206df8bd2cde263e291	{ "rev": "1-d71752ae9c4360cae0375e160..." }
<input type="checkbox"/>	0287daa99d661fedeab6b791e9bda7e09	0287daa99d661fedeab6b791e9bda7e09	{ "rev": "1-d789db870287944b5078d26e110..." }
<input type="checkbox"/>	0287daa99d661fedeab6b791e9be09ef	0287daa99d661fedeab6b791e9be09ef	{ "rev": "1-a2d7d66ba56a7a1cc5104e19a5db..." }
<input type="checkbox"/>	0287daa99d661fedeab6b791e9be14164	0287daa99d661fedeab6b791e9be14164	{ "rev": "1-7ac16f7ebe86339b29f073179cf..." }
<input type="checkbox"/>	0287daa99d661fedeab6b791e9be190e9	0287daa99d661fedeab6b791e9be190e9	{ "rev": "1-965049720b94431e9ba16eccd3..." }
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<input type="checkbox"/>	0287daa99d661fedeab6b791e9be31a46	0287daa99d661fedeab6b791e9be31a46	{ "rev": "1-568819d9165ae273fb341f7b087..." }

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