

# PREREQUISITES

(IBM cloud service, Software)

Date	04 November 2022
Team ID	PNT2022TMID41897
Project Name	SMART WASTE MANAGEMENT FOR METROPOLITIAN CITIES
Maximum Marks	8 Marks

## IBM Cloud Services:

We need to have basic knowledge of the following cloud services:

- ✦ IBM Watson IoT Platform
- ✦ Node-RED Service
- ✦ Cloudant DB


## IBM Account Creation:

In this we create a account with the register code / promo code using the given mail id at the IBM cloud platform, then login

**IBM CLOUD**

IBM Cloud

CatalogCost estimatorDocs



# Log in to IBM Cloud

Don't have an account? [Create an account](#)

Sign in with

IBMId

622519104005@smartinternz.com

Continue


[Forgot ID?](#)

☐ Remember ID

Cookie Preferences

IBM Cloud

CatalogCost estimatorDocs




# Log in to IBM Cloud

[Forgot password?](#)

← 622519104005@smartinternz.com

Password

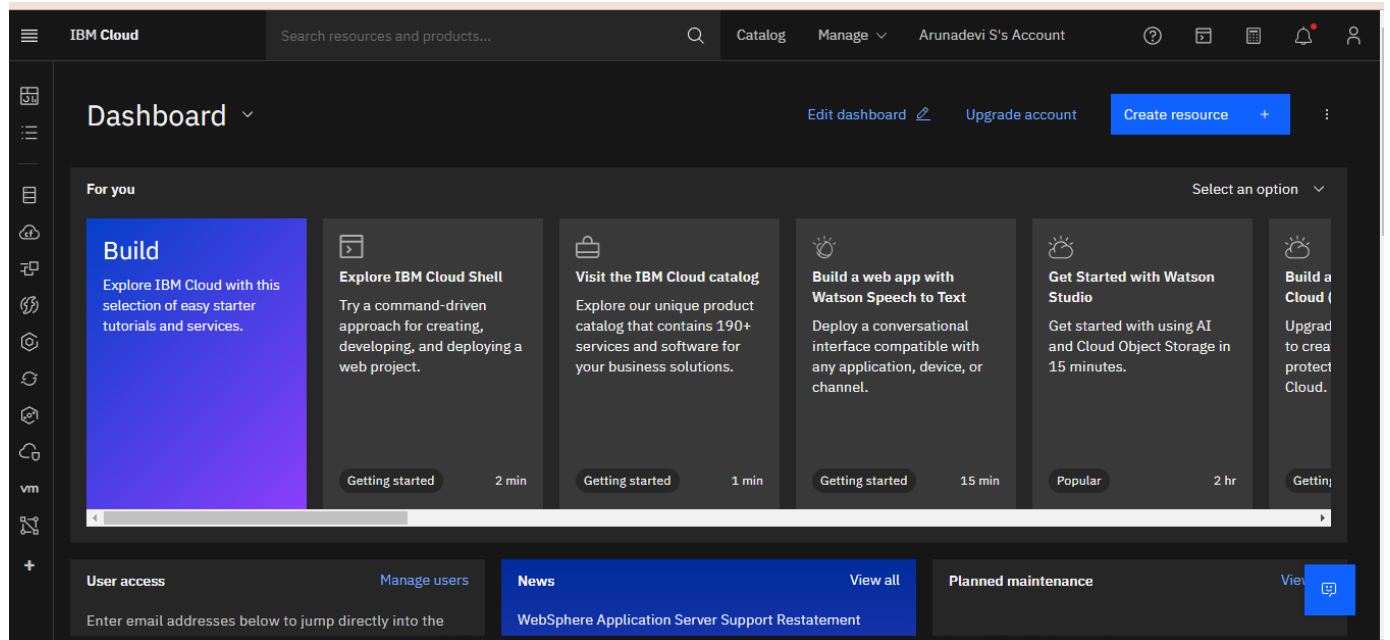
.....



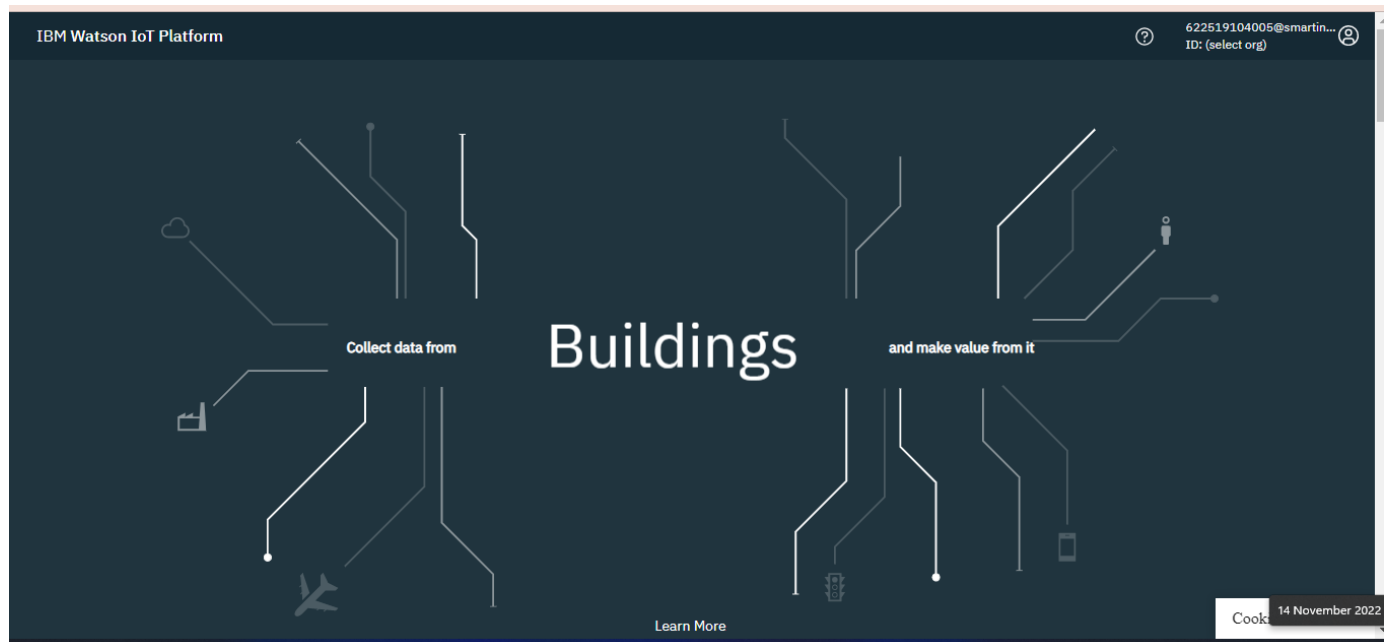
Log in

Show Password

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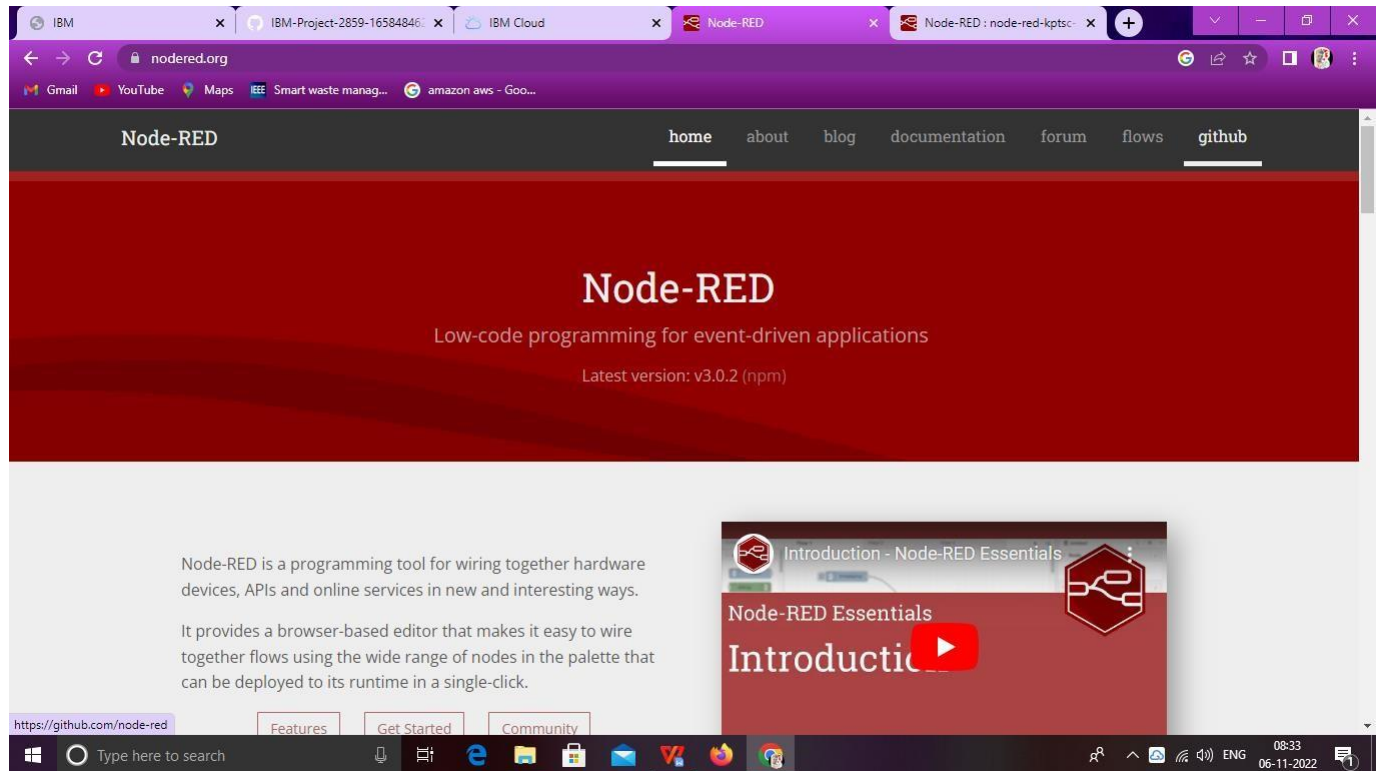


## IBM Watson IoT Platform





## NODE-RED SERVICE



The screenshot shows a web browser window with the Node-RED website. The browser's address bar displays `nodered.org`. The website's header includes a navigation menu with links: `home`, `about`, `blog`, `documentation`, `forum`, `flows`, and `github`. The main content area features a large red banner with the text "Node-RED" in white, followed by "Low-code programming for event-driven applications" and "Latest version: v3.0.2 (npm)". Below this, a description states: "Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways. It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click." To the right of the text is a video thumbnail titled "Introduction - Node-RED Essentials" with a play button icon. The browser's taskbar at the bottom shows the Windows Start button, a search bar, and several application icons. The system tray on the right indicates the time as 08:33 and the date as 06-11-2022.

Node-RED

Low-code programming for event-driven applications

Latest version: v3.0.2 (npm)

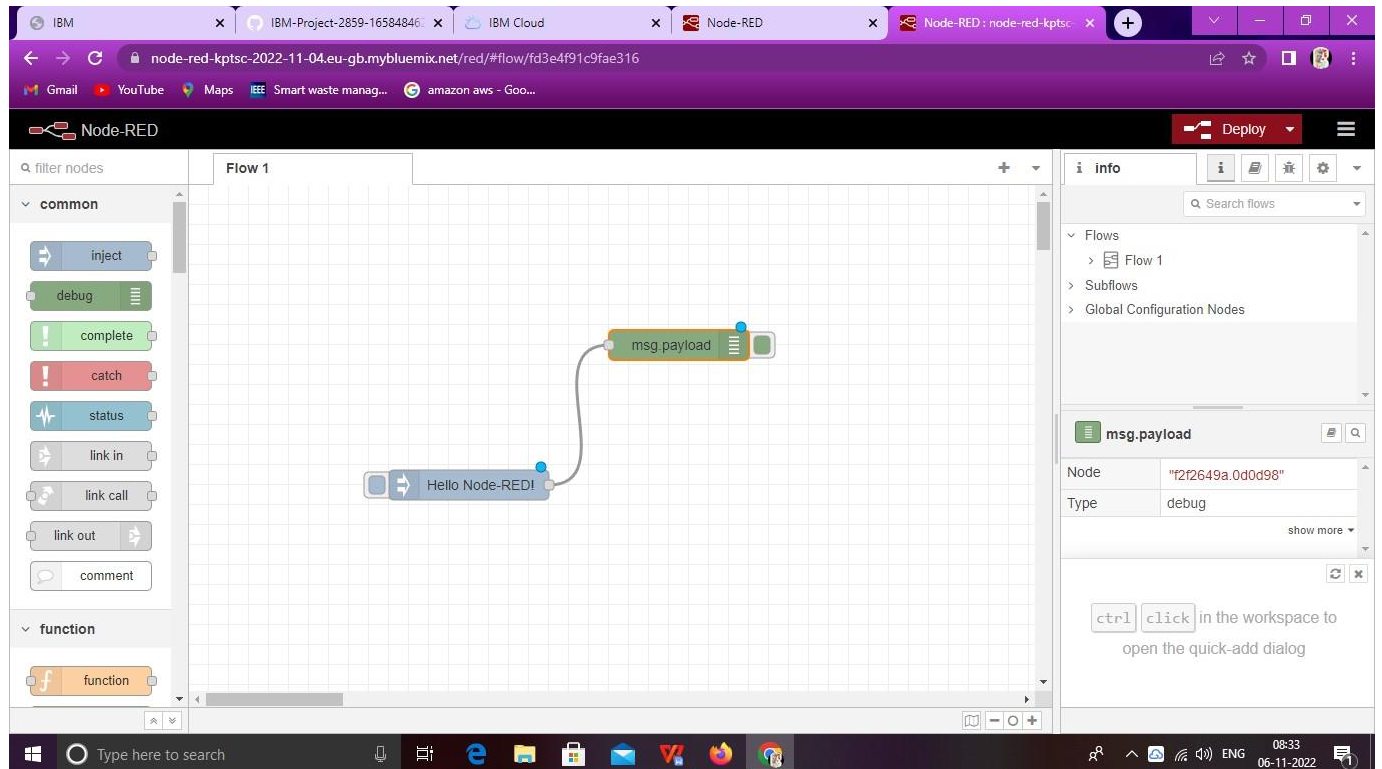
Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click.

Introduction - Node-RED Essentials

Node-RED Essentials

Introduction



**Cloudant DB**

IBM Cloud

Search resources and products...

Catalog

Manage

Arunadevi S's Account

Resource list /

node-red-sttkl-2022--cloudant-1667040538449

Active

Add tags

Details

Actions...

Manage

Service credentials

Plan

Connections

Overview

Capacity

Docs

Launch Dashboard

Deployment details

CRN	crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/bbe73b343fe148d99b0e88794371d2a3:8b390920-5ce6-44d3-afff-8eb9ed509776::		
Location	London		
External endpoint	<a href="https://07c01702-ed9f-4d25-bacc-f6caab46c092-bluemix.cloudant.com">https://07c01702-ed9f-4d25-bacc-f6caab46c092-bluemix.cloudant.com</a>		
External endpoint (preferred)	<a href="https://07c01702-ed9f-4d25-bacc-f6caab46c092-bluemix.cloudantnosqldb.appdomain.cloud">https://07c01702-ed9f-4d25-bacc-f6caab46c092-bluemix.cloudantnosqldb.appdomain.cloud</a>		
Authentication methods	<a href="#">IBM Cloud IAM</a>	<a href="#">Cloudant credentials</a>	Migrate to IAM Only