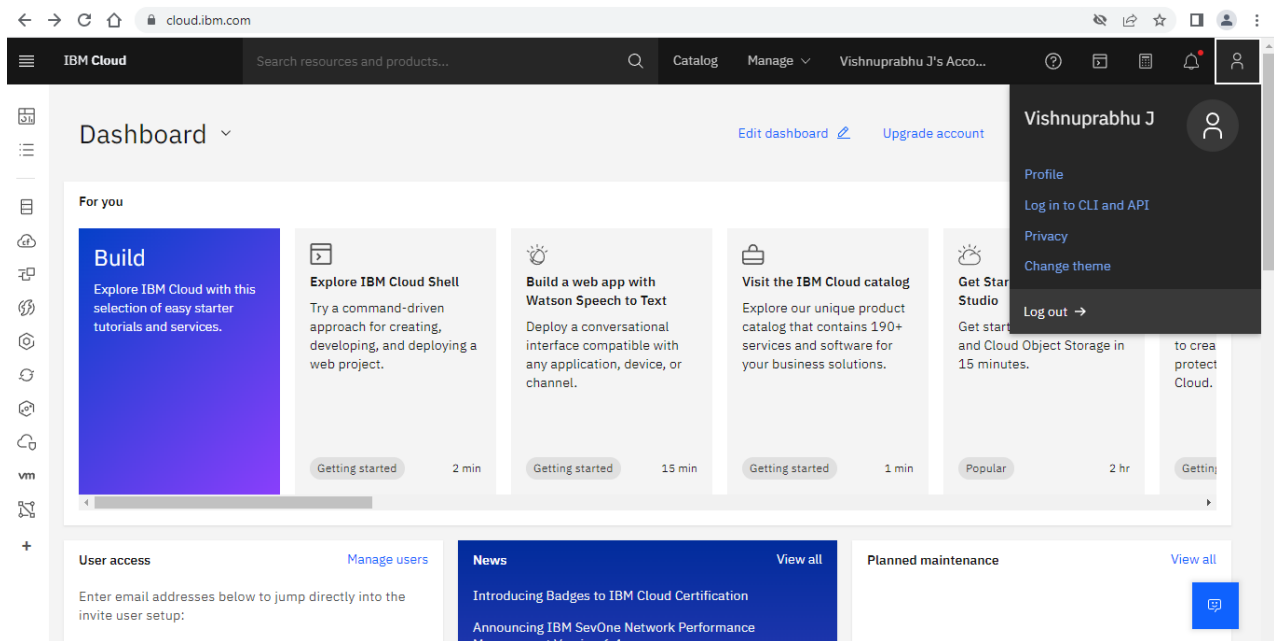


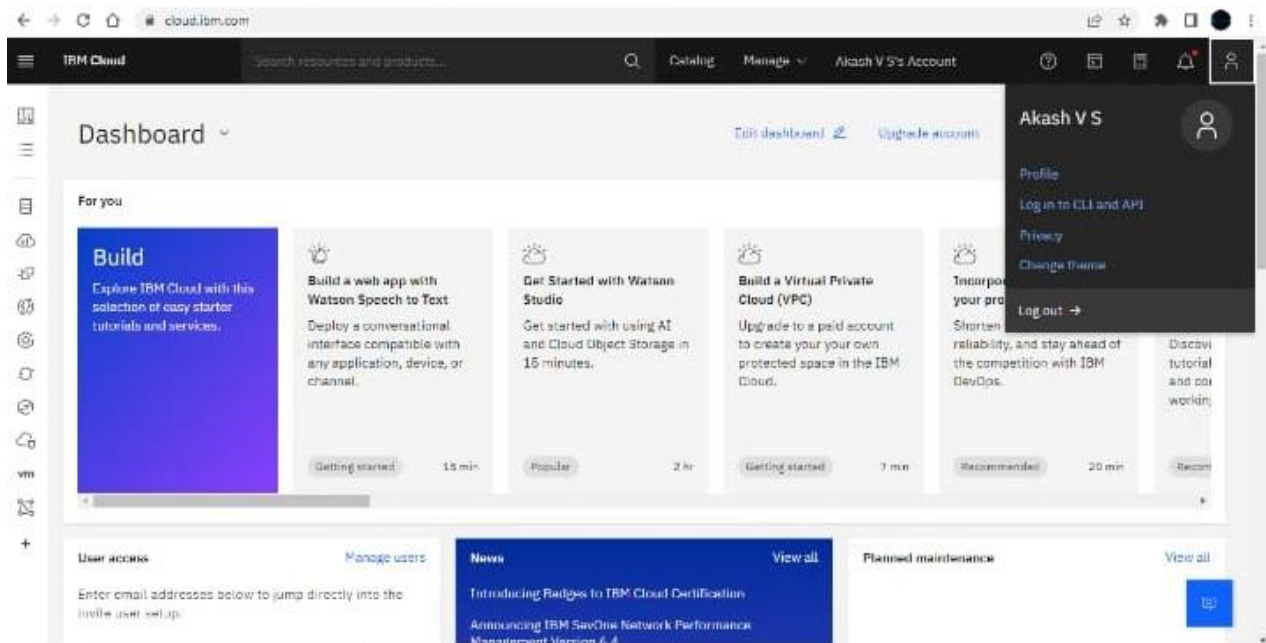
Prerequisites

IBM Cloud Services

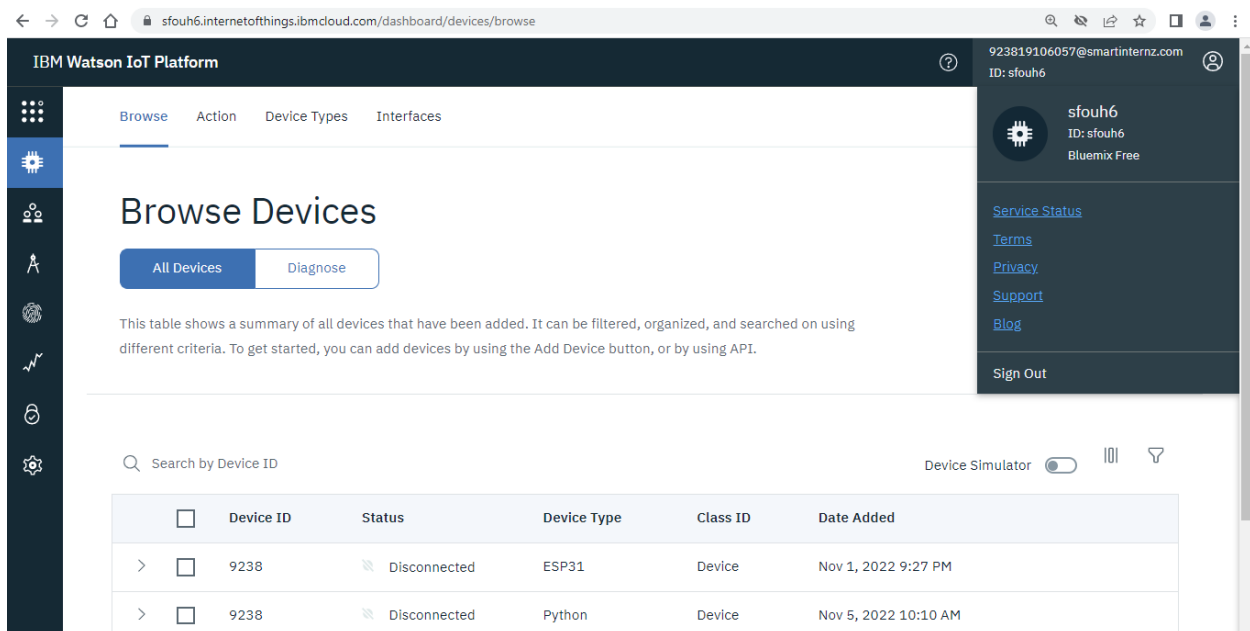
Date	24 August 2022
Team ID	PNT2022TMID49521
Project Name	IOT – Smart Waste Management Systems for Metropolitan Cities

1. Creating IBM Cloud Services

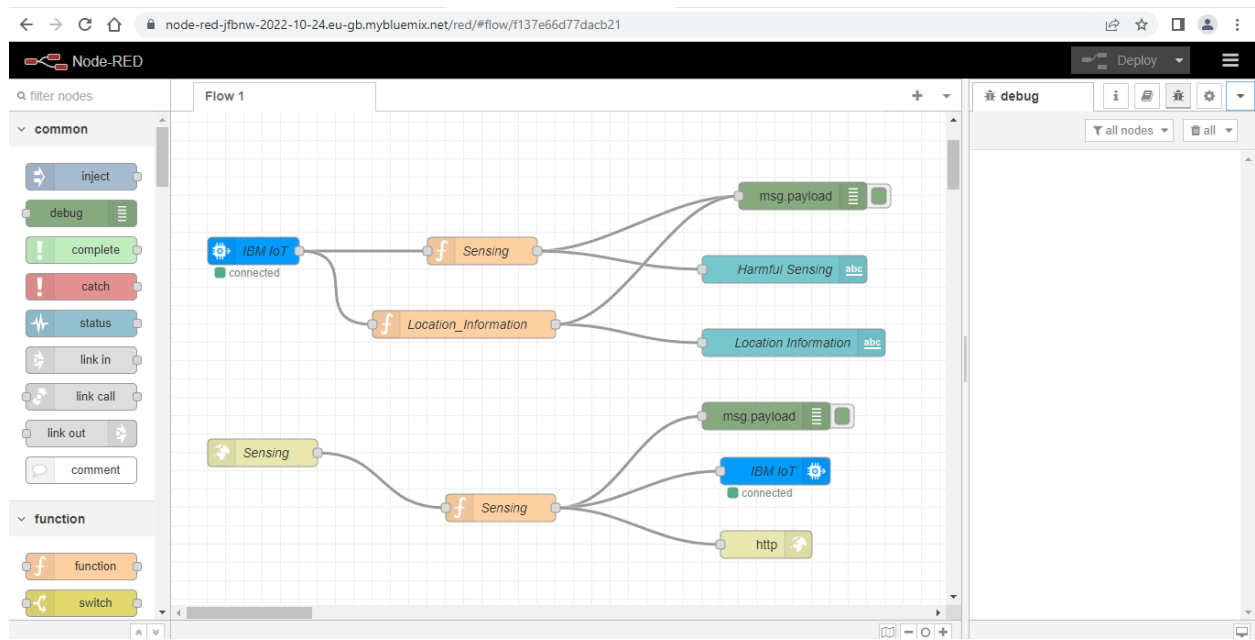
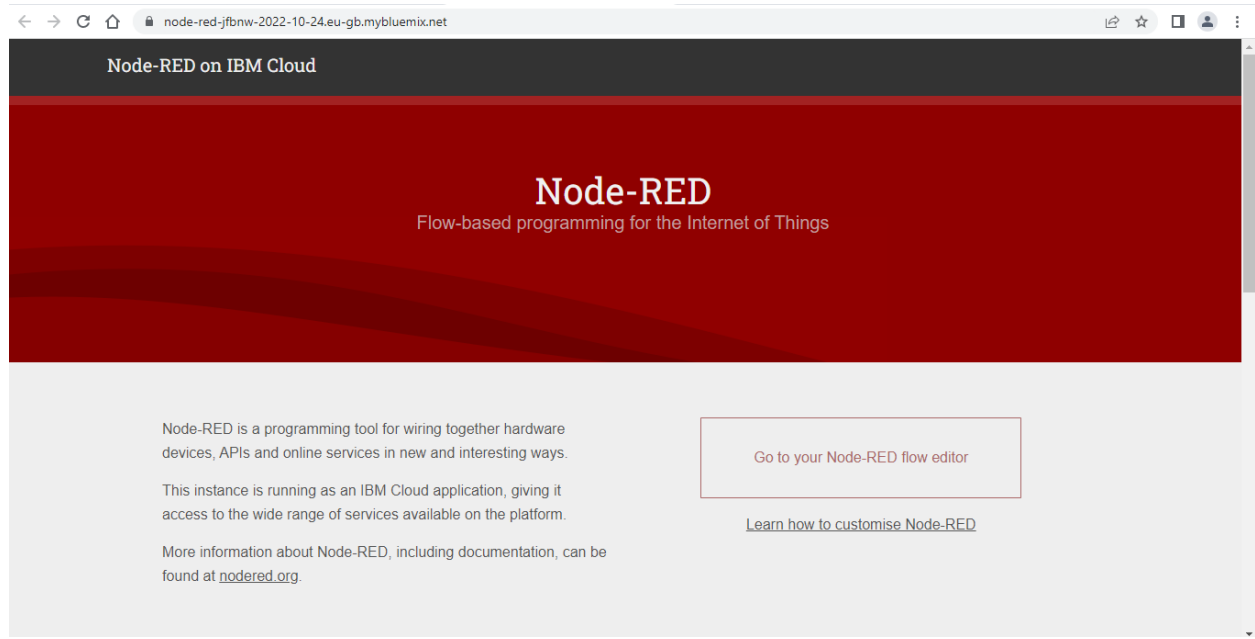




i. IBM Watson IOT Platform



ii. Node-RED Service



iii. Cloudant Database

The screenshot shows the IBM Cloud console interface. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Vishnu Prabhu J's Account). The main content area displays the details of a resource named 'node-red-jfbnw-2022--cloudant-1666582998184', which is in an 'Active' state. The 'Overview' tab is selected, showing deployment details such as the CRN, Location (Sydney), External endpoint, and External endpoint (preferred). There are also links for Authentication methods (IBM Cloud IAM and Cloudant credentials) and a 'Launch Dashboard' button. The bottom of the console shows a sidebar with 'Manage' options like Service credentials, Plan, and Connections.

Resource list / node-red-jfbnw-2022--cloudant-1666582998184 Active Add tags Details Actions...

Manage Overview Capacity Docs Launch Dashboard

Service credentials
Plan
Connections

Deployment details

CRN: crn:v1:bluemix:public:cloudantnosqldb:au-syd:a/1460e40ad91e45028303473514004581:0d03345d-4d49-4b59-85a3-2d8ebae93cfc::

Location: Sydney

External endpoint: <https://d5402da3-e62d-48aa-bb5c-1a323d072742-bluemix.cloudant.com>

External endpoint (preferred): <https://d5402da3-e62d-48aa-bb5c-1a323d072742-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods: [IBM Cloud IAM](#) and [Cloudant credentials](#) Migrate to IAM Only

Activity Tracker event types: Management Save

The screenshot shows the Cloudant Dashboard interface. The top navigation bar includes the Cloudant logo, a search bar, and links to Create Database, JSON, and a notification bell. The main content area displays a table of databases under the heading 'Your Databases'. The table has columns for Name, Size, # of Docs, Partitioned, and Actions. There is one database listed: 'noderedjfbnw20221024' with a size of 25.7 KB, 4 documents, and is not partitioned. The bottom of the dashboard shows a 'Log Out' button and a status bar indicating 'Showing 1-1 of 1 databases. Databases per page 20'.

Databases Database name Create Database { } JSON Notification

Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedjfbnw20221024	25.7 KB	4	No	Refresh Lock Delete

Showing 1-1 of 1 databases. Databases per page 20 « 1 »

Log Out