

# IBM CLOUD SERVICE

Date	04 November 2022
Team ID	PNT2022TMID13514
Project Name	Gas Leakage monitoring & Alerting system for Industries
Maximum Marks	4 Marks


## IBM Cloud


The screenshot shows the IBM Cloud dashboard. At the top, there's a navigation bar with the IBM Cloud logo, a search bar, and links for 'Catalog', 'Manage', and 'Sowmya S's Account'. Below this, the main content area is titled 'Untitled' and features a 'Create resource' button. The 'For you' section displays several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Create and deploy an application' (Browse our starter kits, and then select one to jump start the process to create and deploy your app. 5 min), 'Set up your IBM Cloud account' (Learn how to set up your IBM Cloud account, manage your account settings, organize resources, and control access to those resources. 10 min), 'Explore tutorials' (Try out a variety of tutorials to get you started with IBM Cloud or help you with more complex scenarios. 10 min), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes. 2 hr), and 'Get started with Watson Discovery' (Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code. 2 hr). A 'News' section at the bottom left lists articles like 'Unified Key Orchestrator Now Supports Easy Multicloud Key Management for Google KMS' and 'TrustRadius Best Software: Five IBM Offerings to Make the List'. The bottom of the screen shows a Windows taskbar with various application icons and a system tray with weather, search, and time information.

## WATSON

All Devices Diagnose

🔍 Search by Device ID

Device Simulator 

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	12345	 Disconnected	123	Device	Oct 30, 2022 8:45 PM	
Items per page 50 ▾   1–1 of 1 item						1 of 1 page < 1 ▾ >

# CLOUDANT

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## Catalog

Manage ▾

### Sowmya S's Account

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8

Resource list /

Active Add tags

### Details

Actions...

Manage

## Overview

## Capacity

Docs

Launch Dashboard

Service credentials

### Plan

## Connections

### Deployment details

**CRN** crn:v1:bluemix:public:cloudantnosqldb:eu-gb:a/6957cc6e1e4141bd8a9562ff92edebf1:5b1dd8fd-4c57-49b9-9c37-f14cc4d9e85a::

Location	London
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**External endpoint** <https://01d93470-8fca-4e80-8ff2-4a5c50211e69-bluemix.cloudant.com>

**External endpoint (preferred)** <https://01d93470-8fca-4e80-8ff2-4a5c50211e69-bluemix.cloudantnosqldb.appdomain.cloud>

Authentication methods [IBM Cloud IAM](#) and [Cloudant credentials](#)

## Migrate to IAM Only

### Activity Tracker event types

Management

## Disk encryption

Yes. Automatically generated disk encryption key.

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01d93470-8fca-4e80-8ff2-4a5c50211e69-bluemix.cloudant.com/dashboard.html

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Smartknower

NextStep- Tata Con...

Top 20 C Program...

C programming exe...

Gas Leak detection...

Electronics and Co...

IBM Watson IoT Pla...

↔

 Databases

Database name ▾

Create Database

{ }

 JSON

Your Databases

Name	Size	# of Docs	Partitioned	Actions
noderedkmnfb20221104	16.1 KB	4	No	<div><div></div><div></div><div></div></div>

Showing 1–1 of 1 databases. Databases per page 20 ▾

« 1 »

81°F

Mostly cloudy

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🔍 Search

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05-Nov-22

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# NODE RED

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node-red-kmnfb-2022-11-04.us-east.mybluemix.net

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C programming exe...

Gas Leak detection...

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Node-RED

Flow-based programming for the Internet of Things

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

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at [nodered.org](#).

Go to your Node-RED flow editor

[Learn how to customise Node-RED](#)

## Customising your instance of Node-RED

This instance of Node-RED is enough to get you started creating flows.

You can customise it for your needs. For example, replacing this introduction page with your own, adding authentication to the flow...

The screenshot displays the Node-RED web interface in a browser. The top navigation bar includes various tabs and a search bar. The main workspace shows a flow named "Flow 1" with two nodes: a "Test" node and a "msg.payload" node. The left sidebar contains a "filter nodes" search bar and two categories: "common" and "function". The "common" category lists nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The "function" category lists nodes like function, switch, and change. The right sidebar shows the "debug" console with a log of messages, including timestamps and node IDs, and a "Hello Node-RED!!!!" message.





