Node – RED Services

Team ID	PNT2022TMID01703
Project title	Personal Assistance for seniors who are self-reliant
Date	14 November 2022

Node-RED allows you to create functionality by wiring together flows of data between nodes using a browser. And it has gained tremendous popularity in the IoT space, by modeling bits of application functionality between IoT devices like sensors, cameras, and wireless routers.

Node-RED

About	Create

Details

Author	IBM
Updated	11/2/2020
Type	Starter kit

Source code
GitHub ↗

Helpful links
Terms ↗

Tutorial ↗

Overview

This starter kit provides a pre-configured Node-RED application, including a Cloudant service to store the application flow configuration. Add services, generate and download the code, use the IBM Cloud Developer Tools CLI to run and debug locally, then deploy to Cloud Foundry or a DevOps Pipeline.

This starter kit will help you

- Generate an application with Node-RED
- Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline
- Connect to provisioned services

What's included?

Cloudant Free to start View pricing		View docs View API reference

Get started

IBM Cloud

Search resources and products...   Catalog   Manage ⌄   DHARANI G's Account   ⓘ

App name

Smart Medicine Reminder Box

Accept the default name, or enter a value between 2 and 128 characters.

Resource group

Default ⌄

Tags ⓘ

Examples: env:dev, version-1

Platform

⦿ Node.js

Service details

Cloudant

Region	Resource group
Chennai ⌄	Default ⌄

Pricing plan

Lite ⌄

Smart Medicine Reminder Box   Add tags ✎

Details

App URL	You must deploy your app first
Source	Download code ⤓

Resource group	Default
Deployment target	You must deploy your app first
Created	16/11/2022

Services

🔗 **Cloudant**
◯ Provisioning service credentials

Connect existing services +	Create service +

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

Deploy your app ☁

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node-red-fysyl-2022--cloudant-1667109493143   ✓ Active   Add tags ✎   Details   Actions... ⌄

Manage | Overview | Capacity | Docs | Launch Dashboard ⤴

Service credentials
Plan
Connections

Capacity details

You are currently subscribed to the Lite plan.   Upgrade

Reads	20 per second
Writes	10 per second
Global queries	5 per second
Storage	0.00 GB of 1GB

node-red-fysyl-2022--cloudant-1667109493143 ● 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/9154bf298d244d8c918065a7b7ae513f:1fdf6581-7567-4252-8858-61365168e092::

Location   Sydney

External endpoint   https://e9dbfd87-aa0d-4b2f-86ac-d38f62c6ee14-bluemix.cloudant.com ⧉

External endpoint (preferred)   https://e9dbfd87-aa0d-4b2f-86ac-d38f62c6ee14-bluemix.cloudantnosqldb.appdomain.cloud ⧉

Authentication methods   IBM Cloud IAM ⧉ and Cloudant credentials ⧉   [Migrate to IAM Only]

Activity Tracker event types ⓘ   [Management ▾]   [Save]

Disk encryption   Yes. Automatically generated disk encryption key.

Node RED FYSYL 2022-10-30 Add tags ✎

Actions... ▾

Details

App URL   You must deploy your app first
Source   [Download code ⬇]

Resource group   Default
Deployment target   You must deploy your app first
Created   30/10/2022

Services

🔒 **Cloudant**   ⋮
Open dashboard ⧉   Documentation ⧉   API reference ⧉
Credentials ⌄

[Connect existing services +]   [Create service +]

Deployment Automation

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[Deploy your app 📲]

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node-red-fysyl-2022--cloudant-1667109493143 ● Active Add tags ✎

Details   Actions...

Manage   Overview   Capacity   Docs   Launch Dashboard ⧉
Service credentials
Plan
Connections

Announcements

Support for the Geospatial feature will end on January 31, 2023
At that point:

– Users will be unable to query /$DATABASE/_design/$DDOCS/_geo endpoints. Requests to those endpoints will return a 404 Not Found response.
– Users will be able to define st_indexes in design documents but they will be ignored by the service. This ensures that existing design documents can be updated and replications containing geospatial indexes will not fail.
– Existing geo indexes will be deleted, and customers will no longer be billed for the space they consume.
– IBM Cloud support will not longer answer questions or assist with issues related to the Geospatial feature of the Cloudant service.

In many cases existing applications will fail if changes are not made to address the removal of this functionality prior to the end of support on January 31, 2023.
Please refer to the Cloudant blog for information on creating simple geospatial queries without using the Geospatial feature that is being removed from the Cloudant service.

The _show, _list, _update and _rewrite functions are deprecated
The following Cloudant features are deprecated:

– show functions: used to modify the format of the response when requesting a single document from the database.
– list functions: similar to show functions, but applied to the output of MapReduce views.
– rewrite functions: used to embody routing logic in CouchApps.
– update functions: used to carry out business logic within the database e.g. adding a timestamp to all document writes.