

Create a Node-RED Service

Team ID	PNT2022TMID50056
Project Name	IOT based Smart waste management in metropolitan cities

Navigated to the App creation page

The screenshot shows the IBM Cloud Developer console interface. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page title is "Node-RED". The left sidebar contains a navigation menu with "About" and "Create" tabs. The "About" tab is active, showing details about the Node-RED starter kit, including its author (IBM), update date (11/2/2020), and type (Starter kit). The main content area is titled "Overview" and describes the starter kit's purpose: to provide a pre-configured Node-RED application with a Cloudant service for storing application flow configuration. It also lists steps for generating the application, downloading the code, and deploying it to Cloud Foundry or a DevOps Pipeline. A section titled "What's included?" features a "Cloudant" service card with a "Free to start" label and links to "View docs" and "View API reference". The bottom of the screen shows the Windows taskbar with the date and time (18:56, 17-11-2022) and a weather widget indicating 26°C Haze.

IBM App Development

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and products...

Catalog Manage George Denifer's Accou...

Catalog / Create app /

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

Activate Windows

Go to Settings to activate Windows

26°C Haze 18:56 17-11-2022

Entered project details and clicked on create

The screenshot shows the IBM App Development console in a web browser. The browser's address bar displays the URL: `cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined`. The page header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and the user's account (George Denifer's Accou...). The main content area is titled 'Node-RED' and features two tabs: 'About' and 'Create'. The 'Create' tab is active and contains the 'App details' form. This form includes a text input for 'App name' with the value 'Node RED NDWRJ 2022-11-17', a dropdown for 'Resource group' set to 'Default', a text input for 'Tags' with the placeholder 'Examples: env:dev, version-1', and a radio button for 'Platform' set to 'Node.js'. A vertical 'ASK A QUESTION' button is located on the right side of the form. At the bottom of the screen, a Windows taskbar shows the system clock at 18:59 on 17-11-2022, along with weather and connectivity icons.

IBM App Development

cloud.ibm.com/developer/appservice/create-app?starterKit=59c9d5bd-4d31-3611-897a-f94eea80dc9f&defaultLanguage=undefined

IBM Cloud

Search resources and products...

Catalog Manage George Denifer's Accou...

Catalog / Create app /

Node-RED

About Create

App details

App name

Node RED NDWRJ 2022-11-17

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

Resource group

Default

Tags ⓘ

Examples: env:dev, version-1

Platform

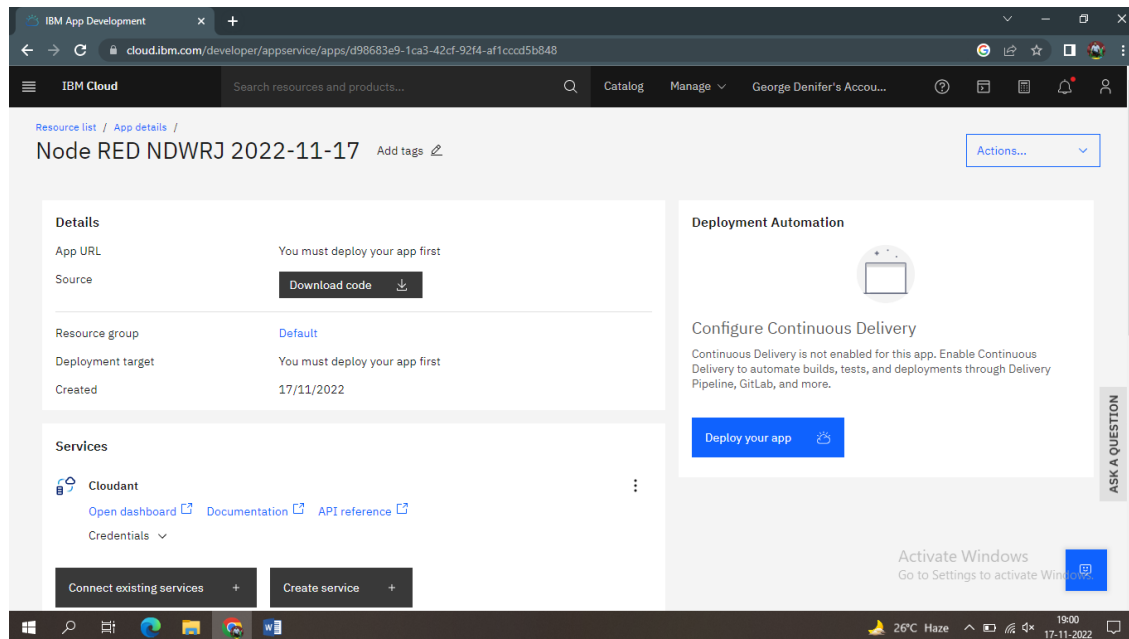
Node.js

Activate Windows
Go to Settings to activate Windows.

ASK A QUESTION

26°C Haze 18:59 17-11-2022

Clicking on the “Deploy your App” Button



Successfully deployed the app

The screenshot displays the IBM Cloud Developer console interface. The browser tabs at the top include 'IBM App Development', 'George Denifer / NodeREDNDW', 'ci-pipeline Dashboard', and 'IBM Cloud Account'. The address bar shows the URL: cloud.ibm.com/developer/appservice/apps/d98683e9-1ca3-42cf-92f4-af1cccd5b848.

The main header of the console shows 'IBM Cloud' and a search bar. Below this, the breadcrumb 'Resource list / App details /' is followed by the app name 'Node RED NDWRJ 2022-11-17' and an 'Add tags' link. An 'Actions...' dropdown menu is located in the top right corner.

The console is divided into two main sections:

- Details:** This section contains a table with the following information:

App URL	You must deploy your app first
Source	https://eu-gb.git.cloud.ibm.com/geodeni2002/NodeREDNDWRJ2022-11-17
Resource group	Default
Deployment target	You must deploy your app first
Created	17/11/2022
- Services:** This section shows a 'Cloudant' service with links to 'Open dashboard', 'Documentation', and 'API reference'. Below these links are 'Credentials' and two buttons: 'Connect existing services' and 'Create service'.

On the right side of the console, there are two panels:

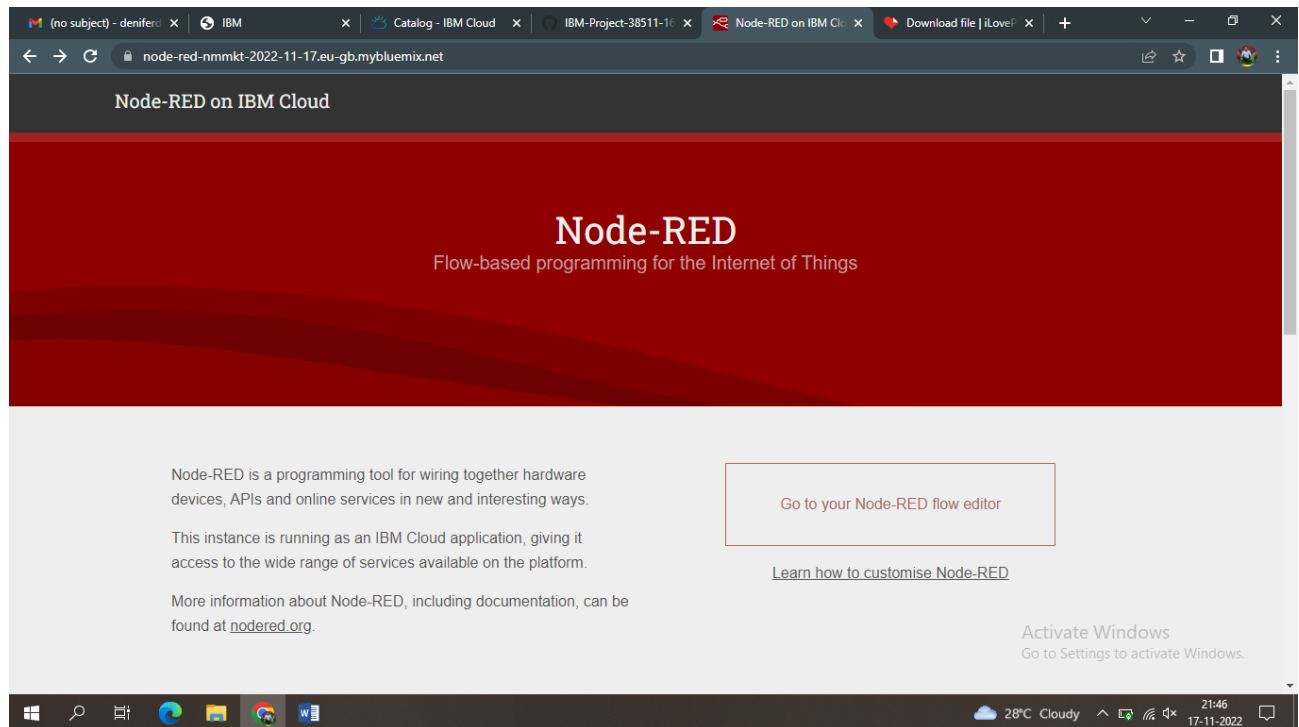
- Deployment Automation:** This panel shows the deployment details for the app. It includes a table with the following information:

Name	NodeREDNDWRJ2022-11-17
Location	London
Tool integrations	
- Delivery Pipelines:** This panel shows the status of the delivery pipelines. It includes a table with the following information:

Name	ci-pipeline
Status	Success
Name	pr-pipeline
Status	No stages detected

An 'Activate Windows' watermark is visible in the bottom right corner of the console. The Windows taskbar at the bottom shows the system clock as 19:13 on 17-11-2022, along with weather information (26°C Haze) and various system icons.

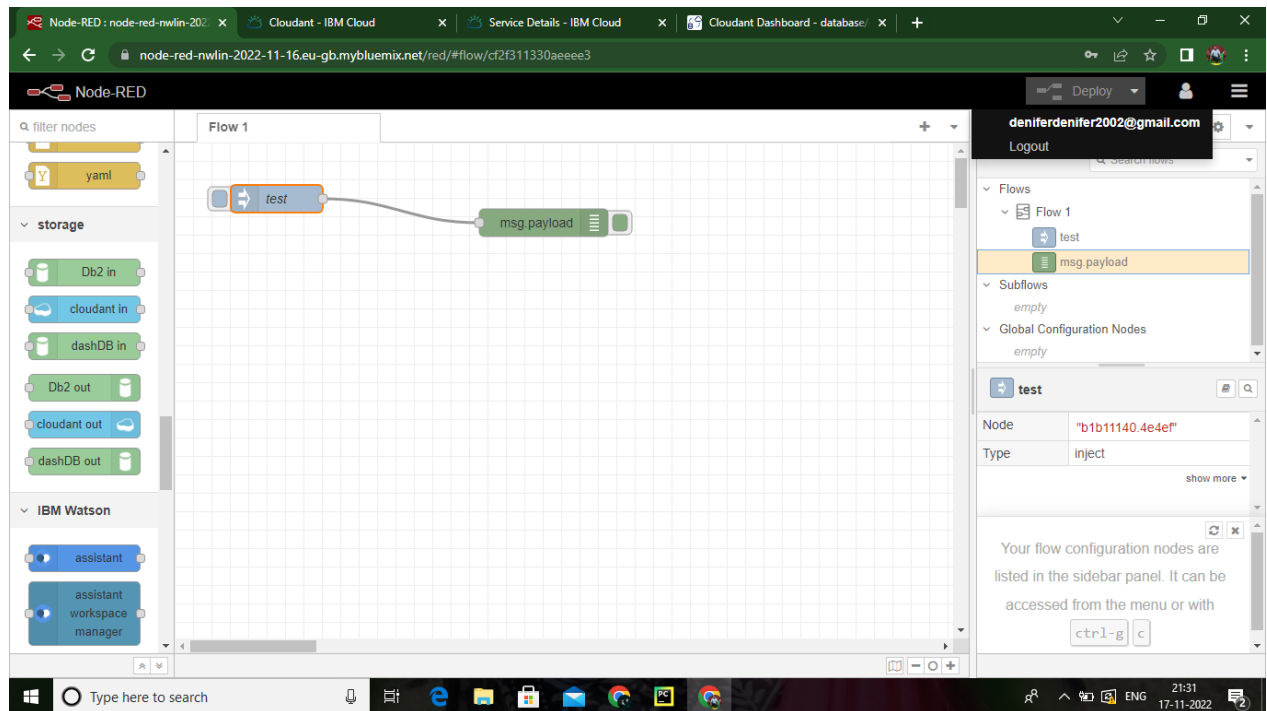
Successfully created Node-RED



Dragged and dropped components into the editor

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL: `node-red-nwlin-2022-11-16.eu-gb.mybluemix.net/red/#flow/cf2f311330aeeee3`. The interface includes a left sidebar with a "filter nodes" search bar and two categories of nodes: "common" (inject, debug, complete, catch, status, link in, link call, link out, comment) and "function" (function, switch). The main workspace, titled "Flow 1", contains a flow with two nodes: an "inject" node with the text "Hello Node-RED!" and a "msg.payload" node. The right sidebar has an "info" tab showing a list of flows, with "Flow 1" selected. Below this, the "Flow 1" details panel shows the flow ID "cf2f311330aeeee3" and a message: "Import a flow by dragging its JSON into the editor, or with `ctrl-i`". The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 21:28 on 17-11-2022.

Successfully deployed the app



Result: Successfully created a Node RED service on IBM Cloud.