

Create Node-RED Service

TEAM ID	PNT2022TMID38782
PROJECT TITLE	Real-Time River Water Quality Monitoring and Control System
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The screenshot shows the IBM Cloud dashboard. At the top, there's a navigation bar with tabs for Catalog, Manage, and Arulkumaran R's Account. Below the navigation is a search bar and a 'Create resource' button. The main area is titled 'Dashboard'. On the left, there's a sidebar with icons for different services like Cloud Functions, Watson Studio, and Cloud Object Storage. The central part of the dashboard features a 'For you' section with several cards:

- Build**: Explore IBM Cloud with this selection of easy starter tutorials and services.
- Explore IBM Cloud Shell**: Try a command-driven approach for creating, developing, and deploying a web project.
- Visit the IBM Cloud catalog**: Explore our unique product catalog that contains 190+ services and software for your business solutions.
- Build a web app with Watson Speech to Text**: Deploy a conversational interface compatible with any application, device, or channel.
- Get Started with Watson Studio**: Get started with using AI and Cloud Object Storage in 15 minutes.
- Build a Cloud (**: Upgrad to crea protect Cloud.

At the bottom, there are sections for User access, News, and Planned maintenance. The taskbar at the very bottom shows the Windows Start button, a search bar, and various system icons.

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The screenshot shows the IBM Cloud Foundry service creation interface. At the top, a banner states "IBM Cloud Foundry Public is deprecated." Below it, an "IBM Cloud API key" field contains a long string of characters. The "Number of instances" dropdown is set to 1. Under "Memory allocation per instance", a slider is set between 64 MB and 2000 MB, with 256 MB selected. The "Region" dropdown is set to Sydney, the "Organization" dropdown is set to arulkumaran, and the "Space" dropdown is set to arul. The "Host" field is node-red-fgtxp-2022-11-16 and the "Domain" field is au-syd.mybluemix.net. A file upload bar at the bottom shows "node-red-fgtxp-20....zip". The bottom navigation bar includes a search bar, a pinned application icon, and system status indicators.

The screenshot shows the IBM Cloud Foundry space management interface. The left sidebar is titled "Account" and lists "Cloud Foundry orgs", which is currently selected. The main area displays the "arulkumaran" space. It has tabs for "Spaces", "Users", "Domains", and "Info". A table lists one space entry: "arul" (Region: Sydney, ID: 3df58a4a-7c2e-4b00-981d-5332cc34ddd2, Manager: arulkumaran, Date Created: 11/16/2022). A "Add a space" button is visible. The bottom navigation bar is identical to the previous screenshot.

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The screenshot shows the IBM Cloud Runtime dashboard for a Node.js application. The left sidebar has 'Runtime' selected. The main area displays the following information:

- Instances**: Shows 1 instance running at 100% health.
- MB memory per instance**: A slider set between 0 and 2048, currently at 256.
- Runtime**: A circular chart showing total MB allocation (256) with 1.75 GB still available. Legend: Free (light grey), Used (dark purple).

Below this is a table of instances:

Status	Instance	CPU	Memory	Disk	Last started
Running	0	0.2%	133.6 MB / 256 MB	335.1 MB / 1 GB	Nov 16, 2022, 10:59:56 PM

The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating 24°C, Partly sunny, and the date 19-11-2022.

The screenshot shows the IBM Cloud Runtime cost and activity feed dashboard. The left sidebar has 'Runtime cost' selected. The main area displays the following information:

- Runtime cost**: Current and estimated cost excludes connected services. Both current charges (\$0.00) and estimated total for the billing period (Nov 1, 2022 - Nov 30, 2022) are shown.
- Connections (1)**: A link to node-red-wrsqn-2022--cloudant-1667462048652-79450.
- Continuous delivery**: A note that continuous delivery is enabled and toolchain support is available. A 'View docs' link is provided.
- Activity feed**: A list of recent events:
 - started Node RED FGTXP 2022-11-16 app (Nov 16, 2022, 10:57:39 PM | arulkumaranvp@gmail.com)
 - updated Node RED FGTXP 2022-11-16 app (changed routes | Nov 16, 2022, 10:57:23 PM | arulkumaranvp@gmail.com)
 - created Node RED FGTXP 2022-11-16 app (Nov 16, 2022, 10:57:22 PM | arulkumaranvp@gmail.com)

The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating 24°C, Partly sunny, and the date 19-11-2022.

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The screenshot shows the IBM Cloud Resource list interface. The top navigation bar includes tabs for Catalog, Manage, and Arulkumaran R's Account. A search bar at the top says "Search resources and products...". On the left, there's a sidebar with icons for Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, and Databases. The main table lists resources under these categories:

Name	Group	Location	Product	Status	Tags
Node RED FGTXP 2022-11-16	arulkumaran / arul	Sydney	Node.js	Started	-
node-red-wrsqn-2022--cloudant...	Default	London	Cloudant	Active	-
node-red-wrsqn-2022--cloudant...	arulkumaran / arul	Sydney	Cloudant	Provisioned	-

At the bottom, there's a Windows taskbar with a search bar, pinned apps, and system status indicators.

The screenshot shows the "Application Details - IBM Cloud" page for a Node-RED instance. The title is "Node-RED on IBM Cloud". The main content area has a red background with the text "Node-RED" and "Flow-based programming for the Internet of Things". Below this, there's a summary of the service:

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.

A button labeled "Go to your Node-RED flow editor" is visible, along with a link to "Learn how to customise Node-RED".

At the bottom, there's a Windows taskbar with a search bar, pinned apps, and system status indicators.

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