

CREATE NODE RED SERVICE

TEAM ID : PNT2022TMID33842

1.Navigate to the App creation page

The screenshot displays the IBM Cloud Developer Tools interface for creating a Node-RED application. The browser's address bar shows 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 account (Gayathri G's Account). The main content area is titled "Node-RED" and features two tabs: "About" (selected) and "Create". The "About" tab contains a "Details" section with the following information:

Details	
Author	IBM
Updated	2/11/2020
Type	Starter kit

Below the details, there are links for "Source code", "GitHub", "Helpful links", "Terms", and "Tutorial". The "Overview" section describes the starter kit: "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." A list of benefits follows: "This starter kit will help you" with bullet points: "Generate an application with Node-RED", "Generate an application with files for deploying to Cloud Foundry or a DevOps Pipeline", and "Connect to provisioned services". The "What's included?" section is partially visible at the bottom. The footer shows the Windows taskbar with the search bar, task view, and several open applications, along with system information: 32°C Cloudy, ENG, 12:45 PM, 15-11-2022.

2.Click on "Deploy Your App" button

cloud.ibm.com/developer/appservice/apps/26d46a27-1b07-4561-bd24-171006ca56a5

IIPGCMS | GrievanceCircuit design Hom...GOVERNMENT COL...

IBM Cloud

Search resources and products...

CatalogManage

Gayathri G's Account

?

Resource list / App details /

Node RED RELCT 2022-11-15Add tags

Actions...

Details

App URLYou must deploy your app first

SourceDownload code

Resource groupDefault

Deployment targetYou must deploy your app first

Created11/15/2022

Services

Cloudant

Open dashboardDocumentationAPI reference

Credentials

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

ASK A QUESTION

Type here to search

30°C CloudyENG10:53 AM

3.The organization and the location are selected

IBM App Development

IBM Cloud Account

New Tab

cloud.ibm.com/account/cloud-foundry

IIPGCMs | GrievanceCircuit design Hom...GOVERNMENT COL...

IBM Cloud

Account

Account resources

Resource groups

Cloud Foundry orgs

Licenses and entitlements

Tags

Dashboards

Account settings

IBM Cloud Shell settings

Notification distribution list

Classic infrastructure

Subscriptions

Audit log

Company information

Search resources and products...

CatalogManage

Gayathri G's Account

Cloud Foundry Orgs

IBM Cloud Foundry Public is being deprecated. Please see [full details](#).

Create

Name	Date Created	Spaces	Roles	Actions
Gayathri G	11/15/2022	0	Manager	

Type here to search

30°C CloudyENG12:02 PM15-11-2022

4.The space is created

The screenshot shows the IBM Cloud account interface in a web browser. The browser's address bar displays the URL: `cloud.ibm.com/account/cloud-foundry/Gayathri%20G/spaces?accountId=073cdf926e8e4aa6ad92dbd512bef9ab`. The left sidebar contains a navigation menu with the following items: Account, Account resources, Resource groups, Cloud Foundry orgs (highlighted), Licenses and entitlements, Tags, Dashboards, Account settings, IBM Cloud Shell settings, Notification distribution list, Classic infrastructure, Subscriptions, Audit log, and Company information. The main content area is titled 'Cloud Foundry Orgs / Gayathri G' and features four tabs: Spaces, Users, Domains, and Info. The 'Spaces' tab is active, showing a table with one entry. Above the table is a search bar and a blue 'Add a space' button with a plus icon. The table has columns for Name, Region, ID, Manager, Date Created, and Actions. The single entry is 'Gayathri G' in the Sydney region, with ID '71f45988-6e3b-4ec0-85c7-14abe82f9e60', managed by a user (indicated by a checkmark), and created on 11/15/2022. The Windows taskbar at the bottom shows the search bar, several application icons, and the system clock indicating 12:37 PM on 15-11-2022.

IBM Cloud

Search resources and products...

Catalog Manage Gayathri G's Account

Cloud Foundry Orgs /

Gayathri G

Spaces Users Domains Info

Add a space

Name	Region	ID	Manager	Date Created	Actions
Gayathri G	Sydney	71f45988-6e3b-4ec0-85c7-14abe82f9e60	✓	11/15/2022	⋮

Type here to search

30°C Cloudy ENG 12:37 PM 15-11-2022

5.Succeeded message appears

IBM App Development

Node-RED : node-red

ci-pipeline Dashboard

IBM Cloud Account

IBM Cloud Account

New Tab

cloud.ibm.com/devops/pipelines/tekton/b29da6a4-9d81-444a-a2db-51da56868917?env_id=ibm:yp:us-south

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IBM Cloud

Search resources and products...

CatalogManageGayathri G's Account

Toolchains / NodeREDPSYWZ2022-11-15 /

ci-pipeline Dashboard

Run pipeline

PipelineRuns

Definitions

Worker

Triggers

Environment properties

Other settings

Status: AllTrigger: All

Run

Status

#1 simple-hosted-pipeline-4dbc53a3-62fa-4f2d-be87-612e10b7915e

Manual | manual-run

Succeeded

Nov 15, 12:15 PM

9m 3s

Items per page: 251 - 1 items

1Page 1

ASK A QUESTION

Type here to search

30°C CloudyENG12:38 PM15-11-2022

6.Set up the environment and deploy the app

The screenshot displays the IBM Cloud Developer console interface. The browser's address bar shows the URL: `cloud.ibm.com/developer/appservice/apps/99e5159f-8252-4637-aa1c-3c85cd1bbc38`. The page is divided into several sections:

- Details:** A table providing key information about the application:

Property	Value
App URL	https://node-red-psywz-2022-11-15.au-syd.mybluemix.net
Source	https://us-south.git.cloud.ibm.com/950819106017/NodeREDPSYW...
Resource group	Default
Deployment target	Node RED PSYWZ 2022-11-15
Created	11/15/2022
- Services:** A section for managing services, currently showing 'Cloudant'. It includes links for 'Open dashboard', 'Documentation', and 'API reference', along with a 'Credentials' dropdown. At the bottom are buttons for 'Connect existing services' and 'Create service'.
- Deployment Automation:** A section on the right detailing automated deployments:

Name	Location	Tool integrations
NodeREDPSYWZ2022-11-15	Dallas	[Lightbulb icon] [Git icon] [CI icon]

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

The bottom of the screen shows the Windows taskbar with the search bar, system clock (12:40 PM, 15-11-2022), and weather (30°C Cloudy).

7. Drag and drop the components in the editor and thus the app is developed

The screenshot displays the Node-RED web interface in a browser. The browser's address bar shows the URL: `node-red-psywz-2022-11-15.au-syd.mybluemix.net/red/#flow/9949f34863d9b469`. The interface includes a left sidebar with a 'filter nodes' search bar and two categories of nodes: 'common' and 'function'. The 'common' category contains nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' category contains a 'function' node. The main workspace, titled 'Flow 1', shows a flow with two nodes: an 'inject' node with the text 'Hello Node-RED!' and a 'msg.payload' node. A line connects the output of the 'inject' node to the input of the 'msg.payload' node. The right sidebar contains an 'info' panel with a 'Search flows' input and a list of flows, including 'Flow 1'. Below the list, there is a section for 'Flow 1' showing its ID as '9949f34863d9b469'. At the bottom of the right sidebar, there is a message: 'You can remove the selected nodes or links with delete'. The Windows taskbar at the bottom shows the search bar, several application icons, and the system clock indicating 12:36 PM on 15-11-2022.