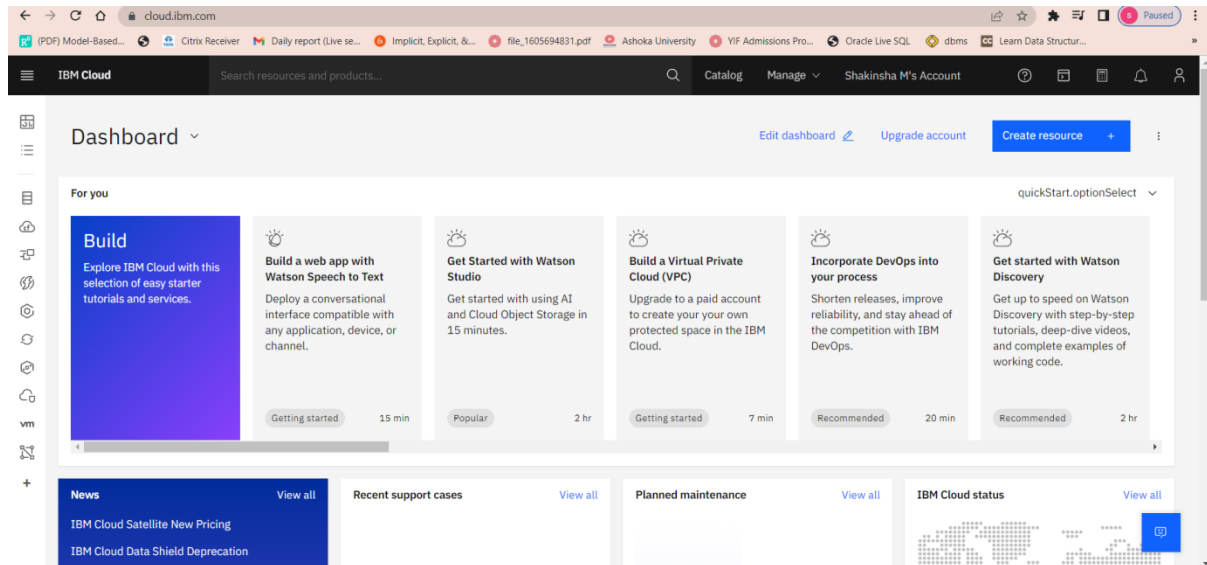


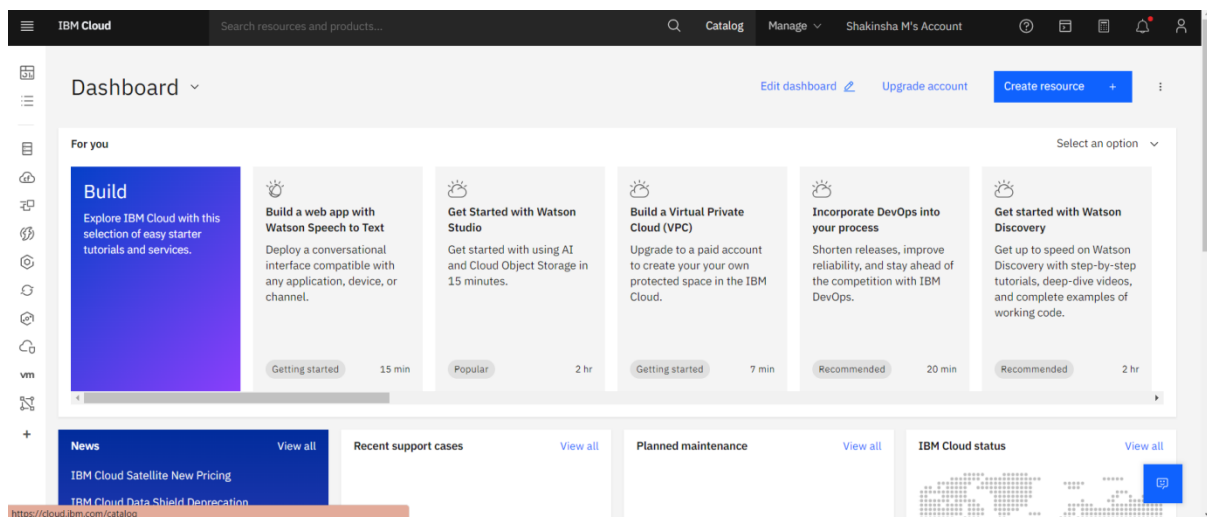
CREATE AND CONFIGURE IBM CLOUD SERVICES

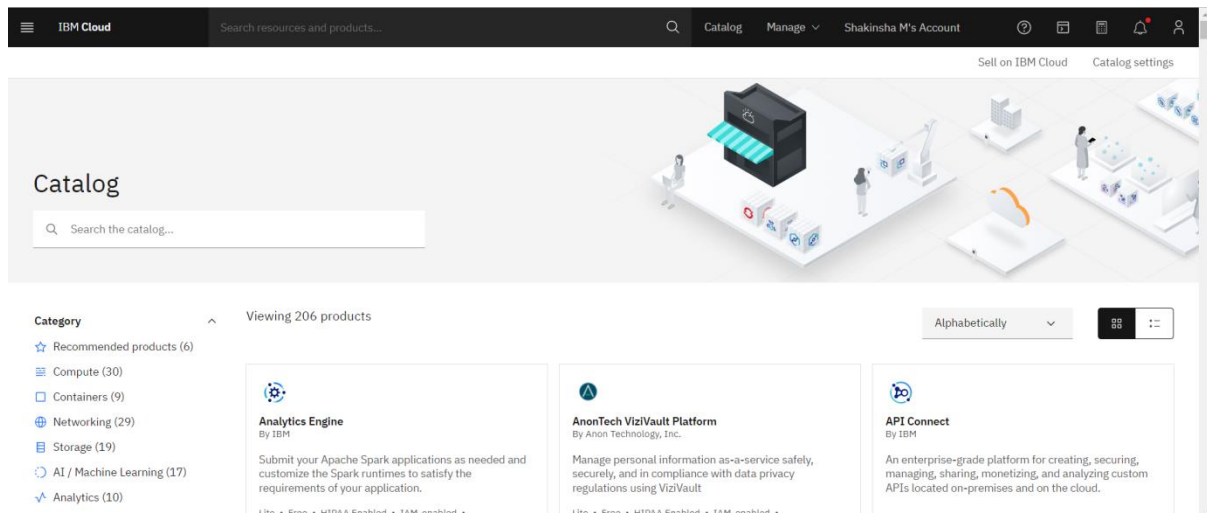
NODE-RED SERVICE

STEP 1: OPEN IBM CLOUD SERVICES

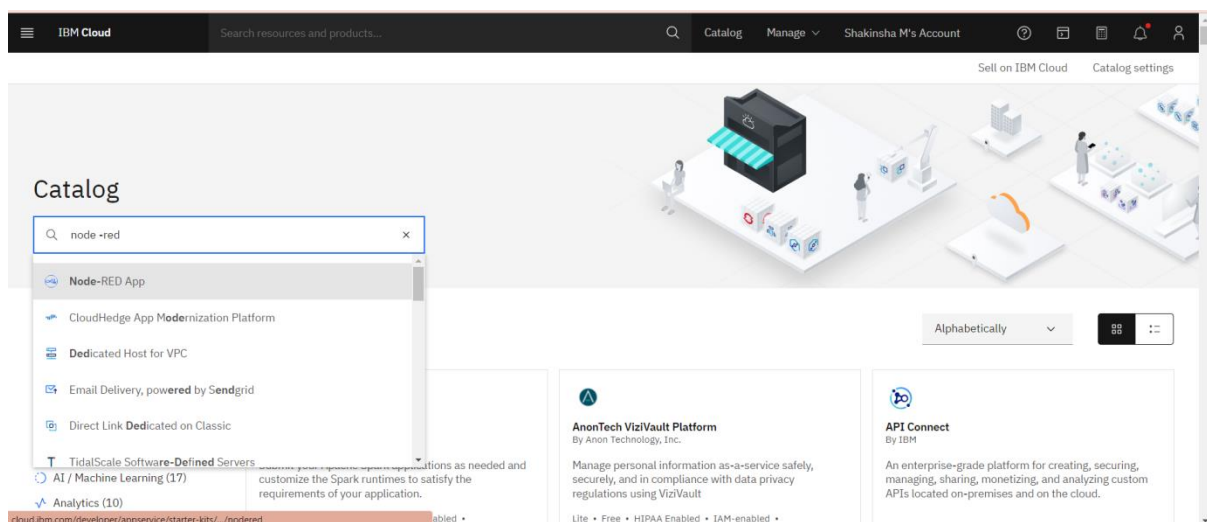


STEP 2: AFTER SIGNING IN GO TO CATALOG ON THE TOP OF DASHBOARD

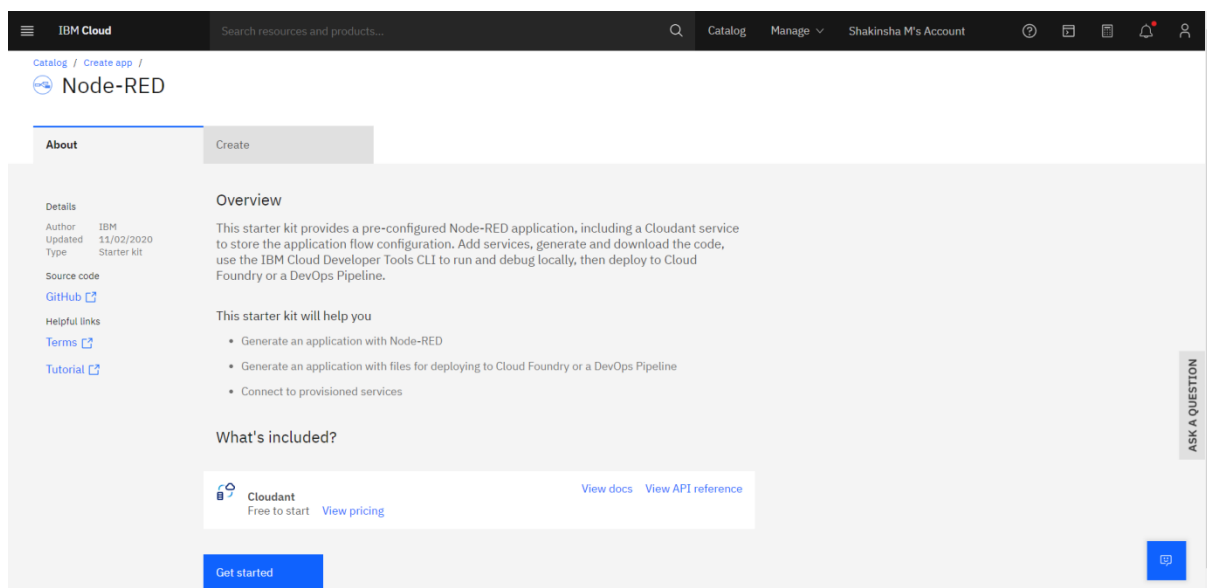




STEP 3: SSEARCH FOR NODE-RED AND SELECT NODE-RED APP



STEP 4: GO FOR GET STARTED AND THEN GIVE LOCATION AS LONDON AND CLICK CREATE



Platform

Node.js

Service details

Cloudant★

★ = You have existing instances of this service available to use in this kit. If you wish to use the existing service, select it from the pricing plan menu.

Region: London

Resource group: Default

Warning

Only one instance of a Lite plan per service is allowed. To create a new service instance, either delete your existing Lite plan service instance, or select a paid plan before continuing. You can also use your existing Lite plan service instance with the application.

Pricing plan: Lite

[Pricing details](#) [Terms](#)

Cancel Create

ASK A QUESTION

STEP 5: AFTER THIS GO FOR RESOURCE LIST IN THE SIDE MENU AND

SELECT NODE RED

THEN CLICK “DEPLOY APP”.

WE WILL BE IN THIS PAGE .

THEN GIVE NEW API KEY

Select the deployment target

Configure the DevOps toolchain

Deployment Automation

Select your deployment target and configure your DevOps toolchain. After you click **Create**, the toolchain is created, and the deployment process is started automatically.

Deployment target

Kubernetes Service
IBM
Deploy, scale, and manage your containerized application workloads to highly available clusters.

Red Hat OpenShift
IBM
Deploy your apps on highly available clusters that come installed with Red Hat OpenShift on IBM Cloud.

Cloud Foundry
IBM
Deploy and run your applications without managing servers or clusters. A Lite plan is available for quick and easy deployment.

Code Engine
IBM
Run your app, job, or container on a managed serverless platform. Auto-scale workloads, and pay only for the resources that you consume.

IBM Cloud Foundry Public is deprecated. [Learn more](#)

IBM Cloud API key

Number of instances

ASK A QUESTION

Getting started with apps

Step 1. Select the deployment target

Select your deployment target, and then provide the configuration information.

IBM Cloud Foundry

Cloud Foundry is the premier industry standard Platform-as-a-Service (PaaS) that ensures fast, easy, and reliable deployment of cloud-native apps. Cloud Foundry ensures that the build and deploy aspects of coding remain carefully coordinated with any attached services — resulting in quick, consistent and reliable iterating of applications. Cloud Foundry has a Lite plan that allows quick deployments for testing purposes.

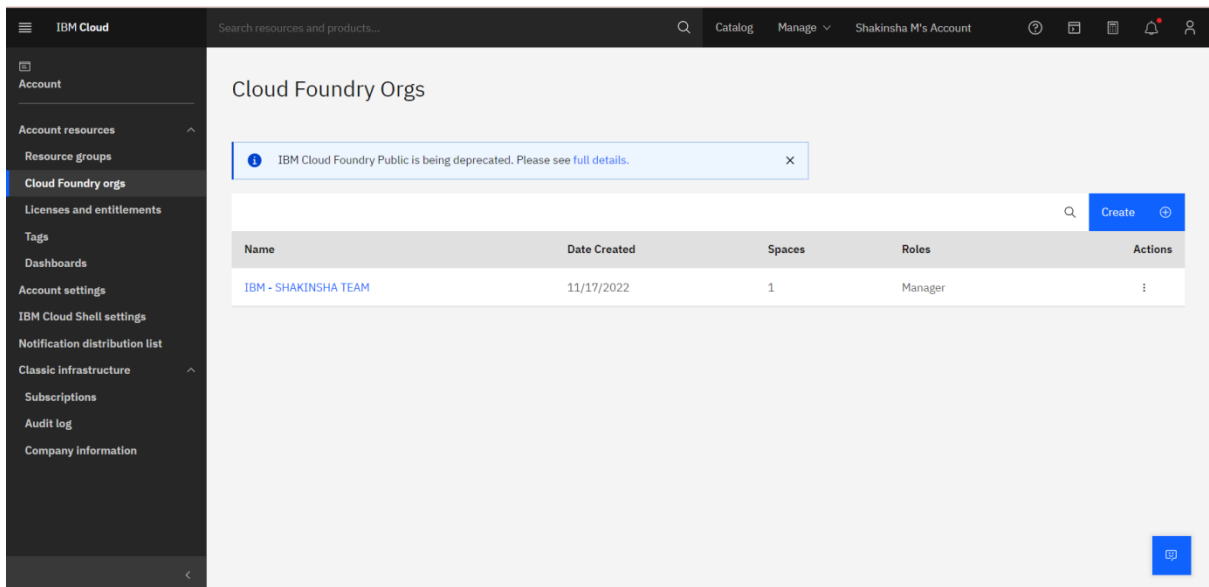
Before you begin

- If your account doesn't have a Cloud Foundry org, you must create one. [Create org.](#)

Steps

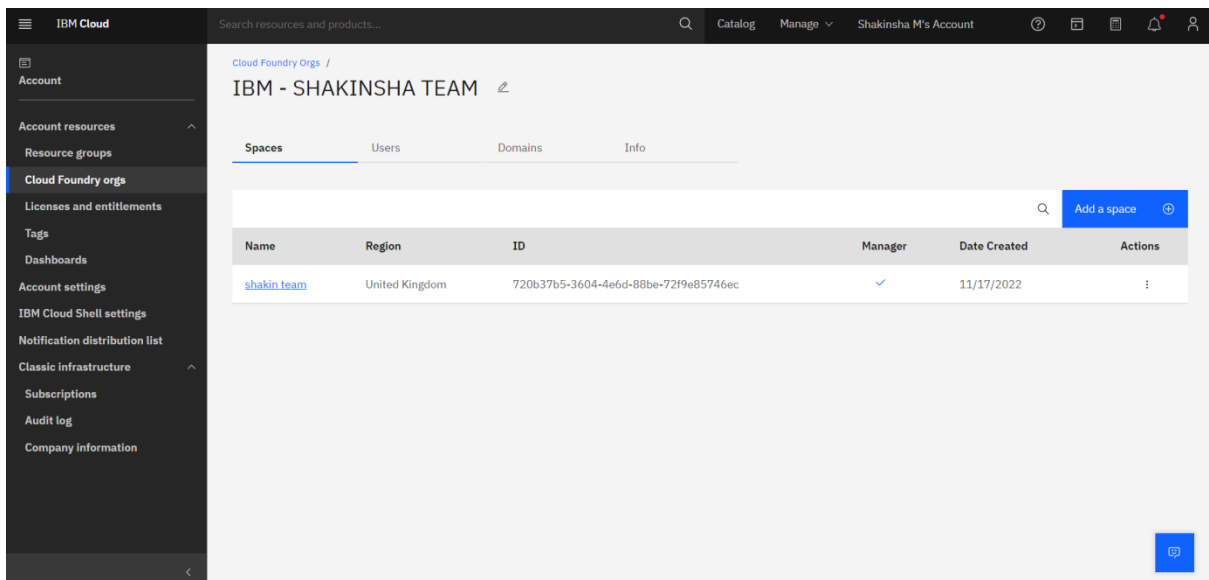
- Select the number of instances, memory allocation, **region**, **org**, and **space**.
- Select the **domain** and provide a **host** name.

STEP 6: CREATE ORGANISATION AND SPACES BY CLICKING LINK IN THE SIDE INFO BAR “CREATE.ORG”



The screenshot shows the IBM Cloud Foundry Orgs page. The left sidebar contains a navigation menu with options like Account, Account resources, Resource groups, Cloud Foundry orgs (selected), 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" and features a search bar, a "Create" button, and a table of existing orgs. A notification banner at the top states: "IBM Cloud Foundry Public is being deprecated. Please see full details." The table has columns for Name, Date Created, Spaces, Roles, and Actions. One org is listed: "IBM - SHAKINSHA TEAM" created on 11/17/2022 with 1 space and a Manager role.

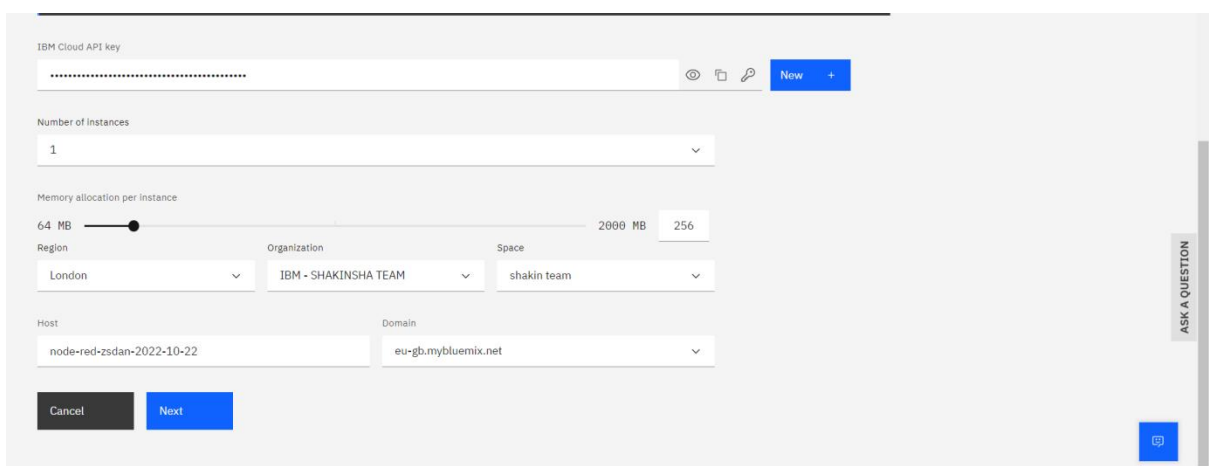
Name	Date Created	Spaces	Roles	Actions
IBM - SHAKINSHA TEAM	11/17/2022	1	Manager	



The screenshot shows the IBM Cloud Foundry Spaces page for the "IBM - SHAKINSHA TEAM" org. The left sidebar is the same as the previous screenshot. The main content area is titled "IBM - SHAKINSHA TEAM" and has tabs for Spaces, Users, Domains, and Info. The "Spaces" tab is selected, showing a search bar, an "Add a space" button, and a table of existing spaces. The table has columns for Name, Region, ID, Manager, Date Created, and Actions. One space is listed: "shakin team" in the United Kingdom region, with ID 720b37b5-3604-4e6d-88be-72f9e85746ec, created on 11/17/2022, and managed by a user (indicated by a checkmark).

Name	Region	ID	Manager	Date Created	Actions
shakin team	United Kingdom	720b37b5-3604-4e6d-88be-72f9e85746ec	✓	11/17/2022	

STEP 7: COMING BACK TO THE PAGE GIVE NEXT PIPELINES WILL START CREATING .



The screenshot shows the IBM Cloud API key configuration page. The left sidebar is the same as the previous screenshots. The main content area is titled "IBM Cloud API key" and features a search bar, a "Now" button, and a form for configuring the API key. The form includes fields for Number of instances (set to 1), Memory allocation per instance (set to 256 MB), Region (set to London), Organization (set to IBM - SHAKINSHA TEAM), Space (set to shakin team), Host (set to node-red-zsdan-2022-10-22), and Domain (set to eu-gb.mybluemix.net). The "Next" button is highlighted in blue.

Field	Value
Number of instances	1
Memory allocation per instance	256 MB
Region	London
Organization	IBM - SHAKINSHA TEAM
Space	shakin team
Host	node-red-zsdan-2022-10-22
Domain	eu-gb.mybluemix.net

STEP 8: BACK TO HOME PAGE . GO TO RESOURCE LIST -> IN COMPUTE -> NODE -RED ->VISIT APP URL

The screenshot shows the IBM Cloud console interface for a resource named "Node RED TFJMG 2022-10-22". The resource is in a "Running" state. The left sidebar contains navigation links: "Getting started", "Overview" (selected), "Runtime", "Connections", "Logs", "API Management", and "Autoscaling". The main content area displays several metrics: "Instances" shows 1 instance running with 100% health; "Runtime" shows a Node.js application with 256 MB total allocation and 1.75 GB still available; "Runtime cost" shows \$0.00; and "Connections (1)" shows a single connection to "node-red-tfjmg-2022--cloudant-1666414225685-17112". A notification banner at the top states "IBM Cloud Foundry Public is being deprecated. Please see full details."

STEP 9: GO TO YOUR RED FLOW EDITOR

The screenshot shows the "Node-RED on IBM Cloud" landing page. The header 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 is a section with text: "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 present, along with a link "Learn how to customise Node-RED".

FINAL NODE RED SERVICES

