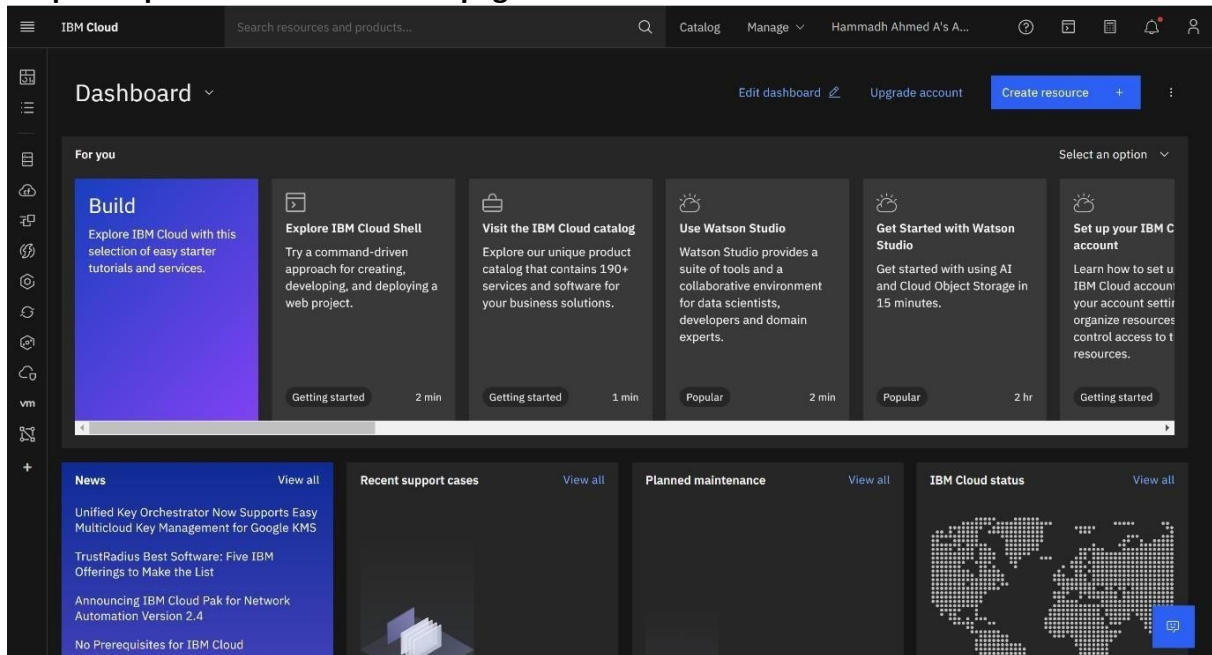


CREATE AND CONFIG IBM CLOUD SERVICE

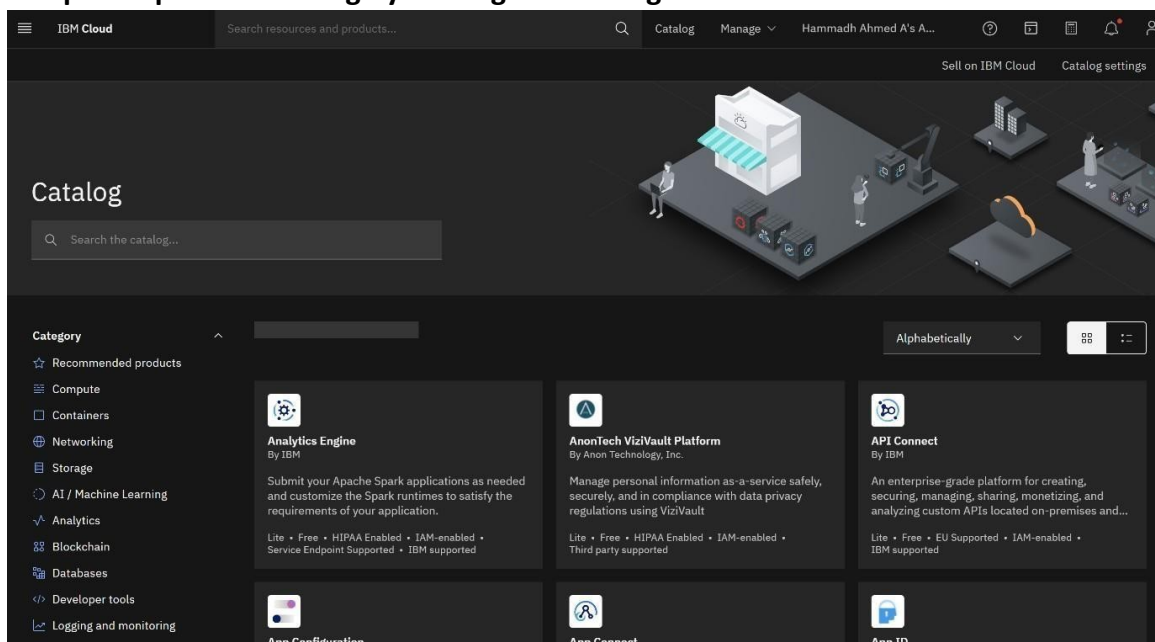
Create Node-RED Service

Date	NOVEMBER 2022
Team ID	PNT2022TMID17576
Project Name	IOT Based Real-time River Water Quality Monitoring and Control System
Maximum Marks	2 Marks

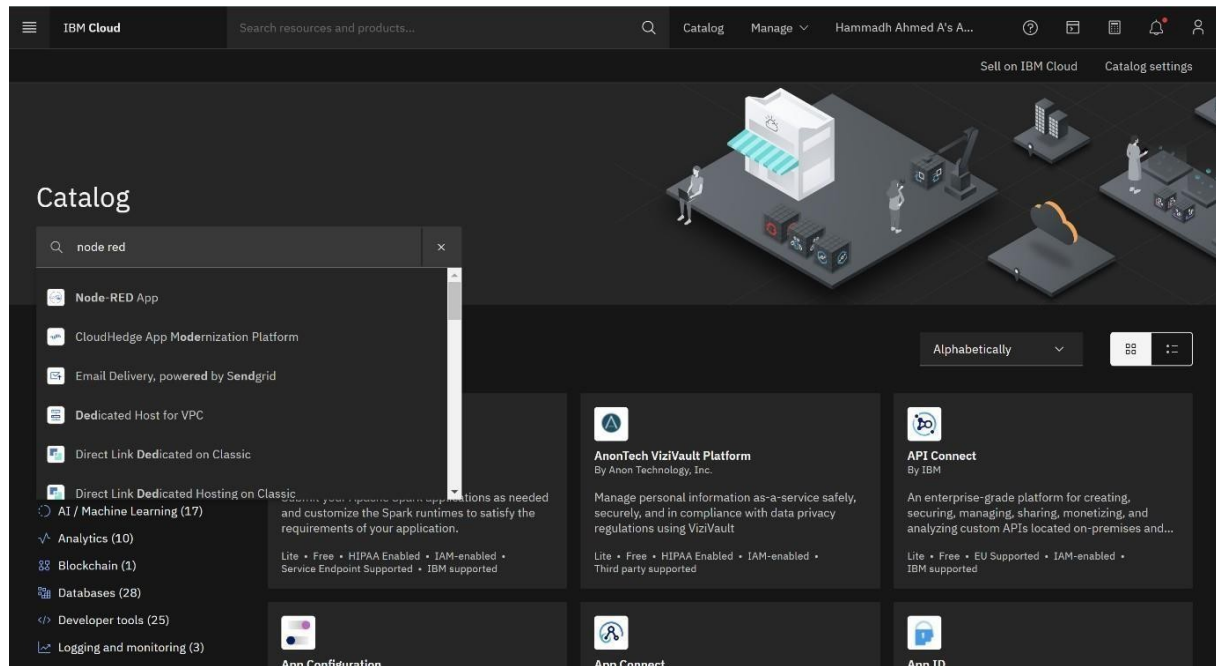
Step 1—Open the IBM cloud web page



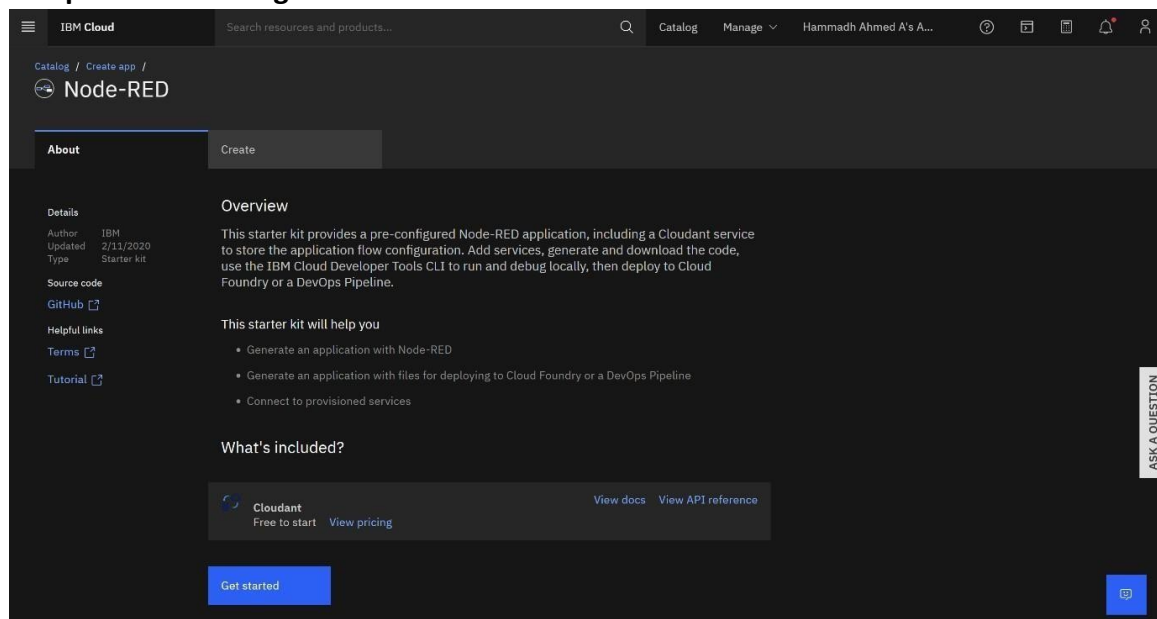
Step 2—Open the catalog by clicking the catalog session



Step 3—Search for NODE RED in the search bar



Step 4—Select the get started button



Step5—After filling the necessary details click the Create button

IBM Cloud

Search resources and products...

Catalog

Manage

Hammadh Ahmed A's A...

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

London

Resource group

Default

Pricing plan

Lite

Pricing details

Terms

Cancel

Create

ASK A QUESTION

Catalog / Create app /

Node-RED

About

Create

App details

App name

Node RED VQNX 2022-11-06

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

ASK A QUESTION

Step 6—Select the DEPLOY YOUR APP button

The screenshot shows the IBM Cloud interface for an application named "Node RED VQNX 2022-11-06". The top navigation bar includes the IBM Cloud logo, a search bar, and user information. The main content area is divided into two columns. The left column contains a "Details" section with fields for App URL, Source (with a "Download code" button), Resource group (Default), Deployment target, and Created date (11/6/2022). Below this is a "Services" section for "Cloudant" with links to "Open dashboard", "Documentation", and "API reference", and buttons for "Connect existing services" and "Create service". The right column features a "Deployment Automation" section with a "Deploy your app" button. A "Getting started quickly" link is at the bottom left, and an "ASK A QUESTION" button is on the right side.

Step 7—Select the Cloud Foundry and click CREATE ORG on the right to create the org

The screenshot displays the "Deployment Automation" page in IBM Cloud. The top navigation bar is consistent with the previous step. The main content area is divided into two columns. The left column shows a "Deployment target" section with three options: "Kubernetes Service" (IBM), "Red Hat OpenShift" (IBM), and "Cloud Foundry" (IBM). The "Cloud Foundry" option is highlighted with a white border. The right column contains a "Getting started with apps" section with a "Step 1. Select the deployment target" heading. It provides instructions on selecting a deployment target and configuring the DevOps toolchain. Below this, it lists "Steps" for getting started with apps, including selecting the number of instances, memory allocation, region, org, and space, and selecting the domain and providing a host name. An "ASK A QUESTION" button is on the right side.

Step 8—Create a Foundry Org by filling in the details

IBM Cloud

Search resources and products...

Cloud Foundry Orgs

IBM Cloud Foundry Public is being deprecated. Please see full details.

Create

Name	Date Created	Spaces	Roles	Actions
hammadh	11/6/2022	0	Manager	

Step 9-Create an API key by generating a random one

IBM Cloud

Search resources and products...

Code Engine

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 API key

IBM Cloud API key

The value is required.

Number of instances

1

Memory allocation per instance

64 MB

2000 MB

256

Region

Organization

Space

Host

Domain

Create a new API key with full access

Warning: This will create a new API key that allows anyone who has it the ability to do anything you could do. You can improve your security posture by using the IAM UI to create a service ID API key that limits access to only what your pipeline requires, and then pasting that into the template UI instead. For more information on API keys and access see the IAM documentation.

Name

Description

API Key for NodeREDVQNX2022-11-06

Save this key in a secrets store for reuse

Cancel

OK

ASK A QUESTION