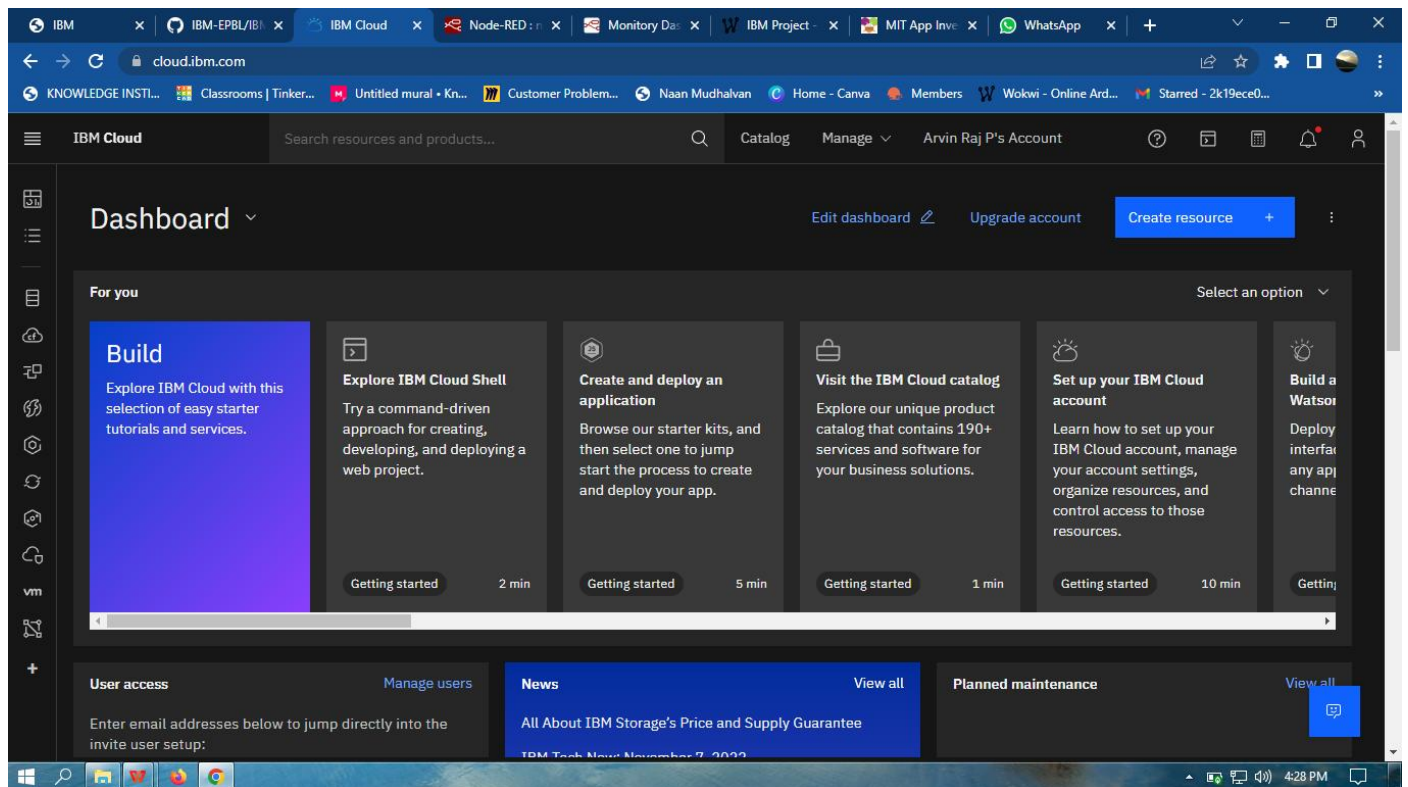


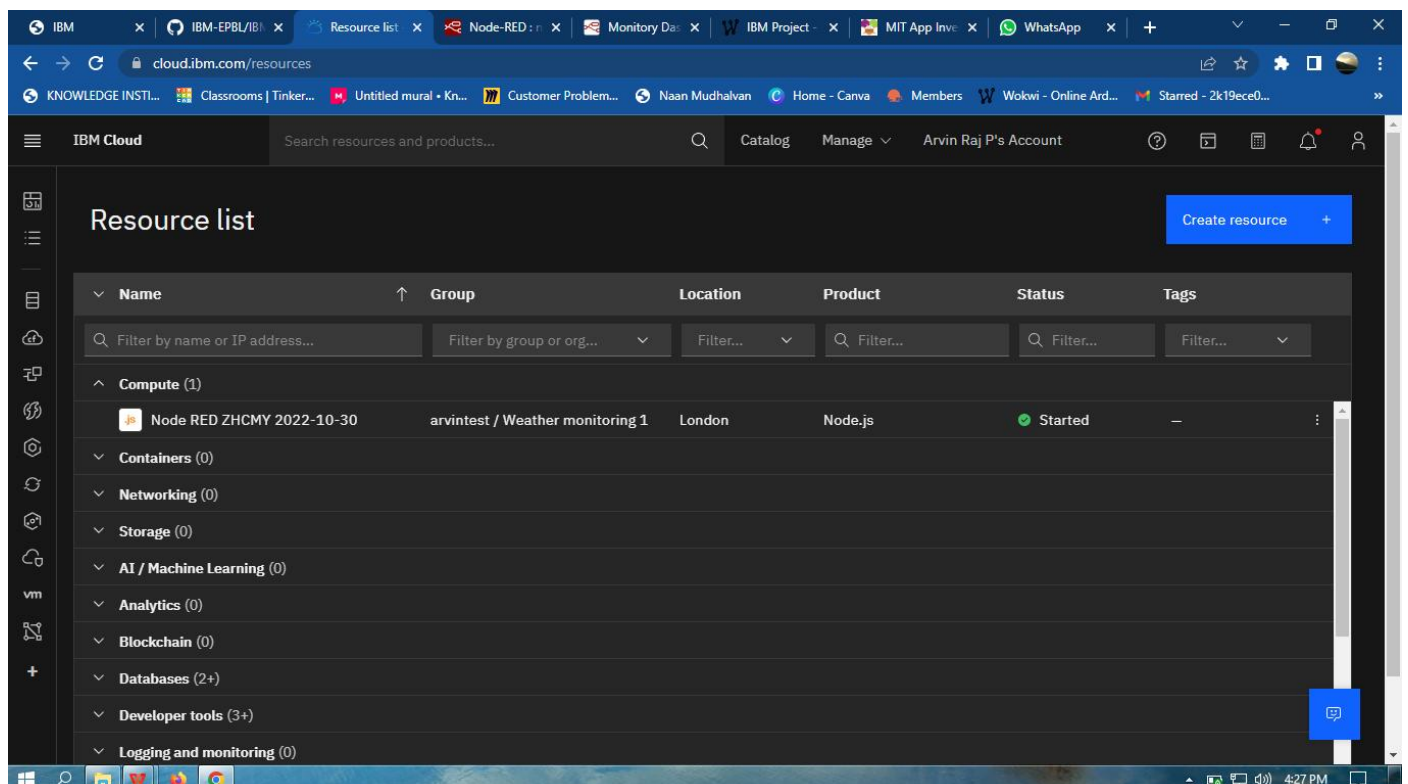
CREATE AND CONFIGURE IBM CLOUD SERVICES

| | |
|--------------|---|
| Date | 10 November 2022 |
| Team ID | PNT2022TMID10221 |
| Project Name | Hazardous Area Monitoring for Industrial Plant powered by IoT |

Node red



The screenshot shows the IBM Cloud Dashboard. The top navigation bar includes the IBM logo, search bar, and user account information (Arvin Raj P's Account). The main content area is titled "Dashboard" and features a "For you" section with several cards: "Build", "Explore IBM Cloud Shell", "Create and deploy an application", "Visit the IBM Cloud catalog", "Set up your IBM Cloud account", and "Build a Watson". Each card has a "Getting started" button and a time estimate. Below the "For you" section, there are links for "User access", "News", and "Planned maintenance".



The screenshot shows the IBM Cloud Resource list page. The top navigation bar is the same as the dashboard. The main content area is titled "Resource list" and features a "Create resource" button. Below the title, there is a table with columns: Name, Group, Location, Product, Status, and Tags. The table contains one resource: "Node RED ZHCY 2022-10-30" under the group "arvintest / Weather monitoring 1", located in "London", with the product "Node.js" and status "Started". The table also shows expandable sections for "Compute (1)", "Containers (0)", "Networking (0)", "Storage (0)", "AI / Machine Learning (0)", "Analytics (0)", "Blockchain (0)", "Databases (2+)", "Developer tools (3+)", and "Logging and monitoring (0)".

| Name | Group | Location | Product | Status | Tags |
|--------------------------|----------------------------------|----------|---------|---------|------|
| Node RED ZHCY 2022-10-30 | arvintest / Weather monitoring 1 | London | Node.js | Started | - |

IBM Cloud console showing the details of a Node-RED application named "Node RED ZHCMY 2022-10-30". The application is running and has 1 instance. The runtime cost is 256 MB memory per instance. The application is using 256 MB of memory allocation. The runtime cost is 1.75 GB still available. The application is using 256 MB of memory allocation.

Resource list / Node RED ZHCMY 2022-10-30 Running [Visit App URL](#) [Add tags](#) [Details](#) [Actions...](#)

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

Instances

Health

100%

1/1 instance(s) are running

MB memory per instance

0 2048 256

Runtime cost

Current and estimated cost excludes connected services

Connections (1)

Runtime

Node.js

256

Total MB allocation

1.75 GB still available

Free Used

Node-RED interface showing the flow editor. The left sidebar contains a list of nodes: common, function, switch, change, range, template, delay, trigger, filter, OpenWhisk, and network. The main workspace shows a grid for creating flows. The right sidebar shows the debug console.

Node-RED

Flow 1 Flow 2 Flow 3 Flow 4

filter nodes

common

function

function

switch

change

range

template

delay

trigger

filter

OpenWhisk

network

debug

all nodes

all