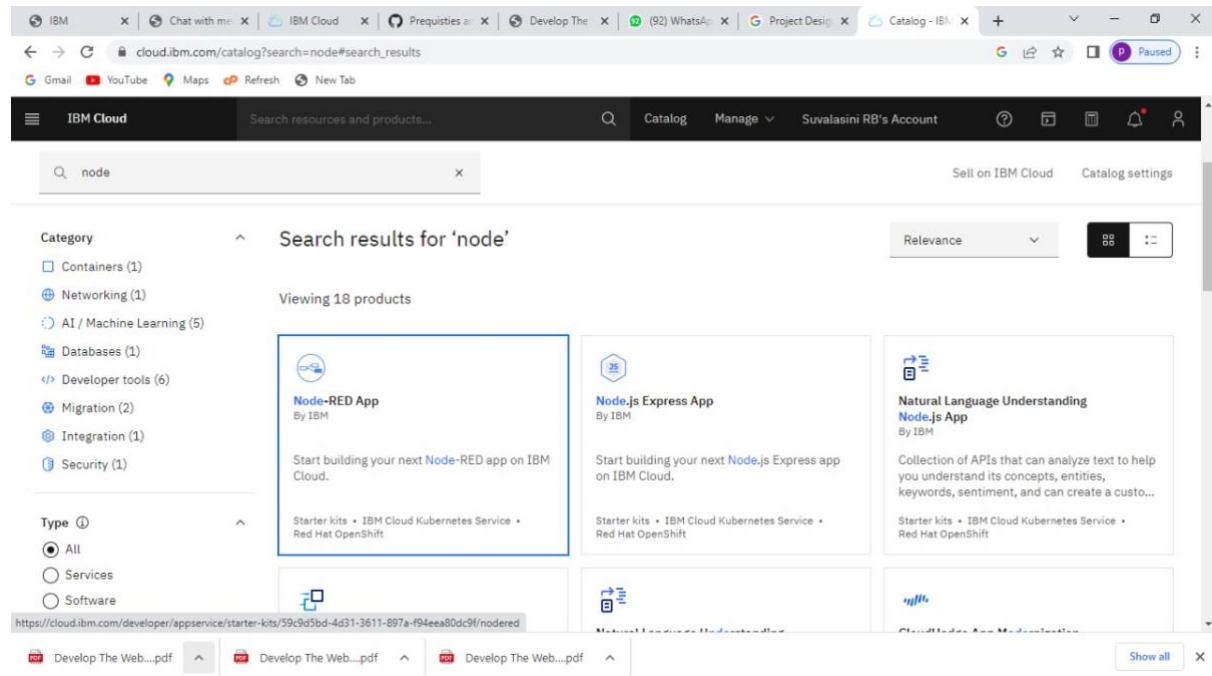


CREATE NODE RED SERVICE NODE RED SCREENSHOTS

DATE	18-November-2022
TEAM ID	PNT2022TMID42369
PROJECT NAME	IOT Based Safety Gadgets For Child Safety Monitoring & Notification

CREATION OF NODE RED:

STEP-1



STEP-2

IBM Cloud

cloud.ibm.com/developer/appservice/apps/de2faca3-92ea-4e85-a147-c482201887fa

Resource list / App details /

Node RED RYXNE 2021-01-29

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.

Getting started with apps

Step 1. Select the deployment target

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

IBM Cloud Kubernetes Service

Kubernetes is an open source platform for managing containerized workloads and services across multiple hosts, and offers management tools for deploying, automating, monitoring, and scaling containerized apps with minimal to no manual intervention. [Learn more.](#)

Before you begin

- One free Kubernetes cluster is available per account.
- If you don't have an available cluster, you must create one before continuing. Allow 10-20 minutes for the cluster to be provisioned. [Create cluster.](#)

STEP-3

The screenshot shows the IBM Cloud Developer console for an application named "Node RED RYXNE 2021-01-29". The interface is divided into several sections:

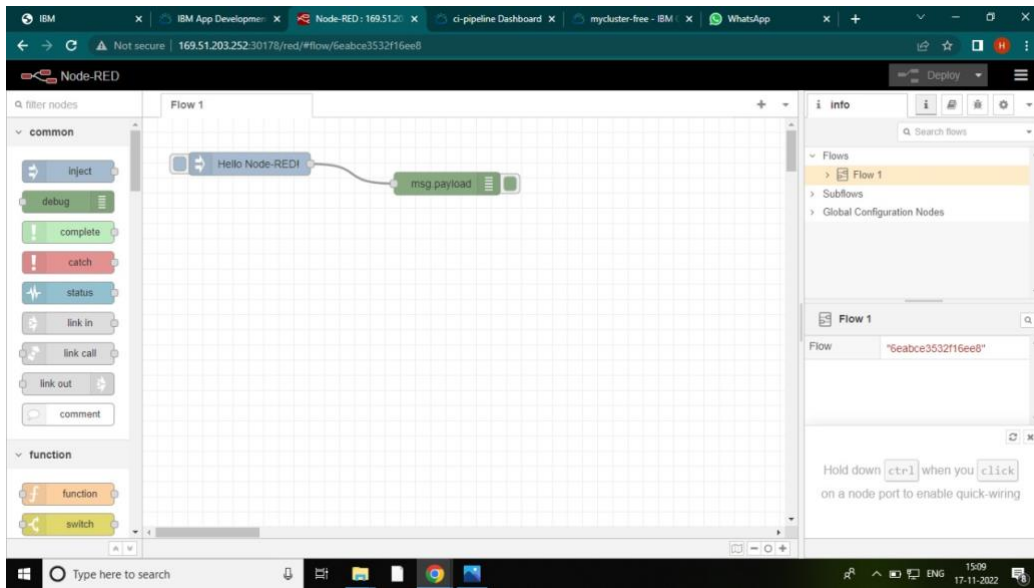
- Details:** Displays the App URL (<http://169.51.203.252:30178>), Source (<https://us-south.git.cloud.ibm.com/710319106008/NodeREDRYXN...>), Resource group (Default), Deployment target (mycluster-free), and Created date (17/11/2022).
- Services:** Shows the Cloudant service with links to Open dashboard, Documentation, and API reference. It also includes buttons for "Connect existing services" and "Create service".
- Deployment Automation:** Lists the deployment automation configuration with Name (NodeREDRYXNE2021-01-29), Location (Dallas), and Tool integrations.
- Delivery Pipelines:** Shows two pipelines: "pr-pipeline" with status "No stages detected" and "ci-pipeline" with status "In progress".

The bottom of the screen shows a Windows taskbar with a search bar and various application icons.

STEP-4 step-5

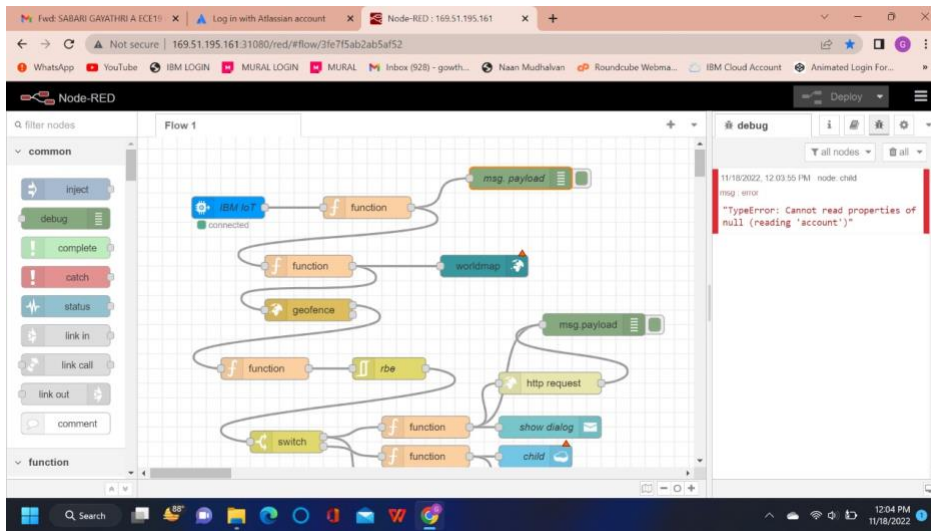
The screenshot shows the Node-RED web interface running on IBM Cloud. The browser address bar displays "169.51.203.252:30178/red/". The main content area features a large red banner with the text "Node-RED" and "Flow-based programming for the Internet of Things". Below the banner, there is a section with text describing Node-RED as a programming tool for wiring together hardware devices, APIs, and online services. A prominent 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 of the screen, a Windows taskbar is visible, showing a search bar and various application icons. A small status bar at the very bottom indicates "Waiting for 169.51.203.252...".



Child Safety Monitoring:

Node-RED interface showing a flow with nodes: inject, debug, complete, catch, status, link in, link call, link out, comment, function, msg payload, worldmap, geofence, rbe, http request, show dialog, and child. The debug console shows an error: "TypeError: Cannot read properties of null (reading 'account')".

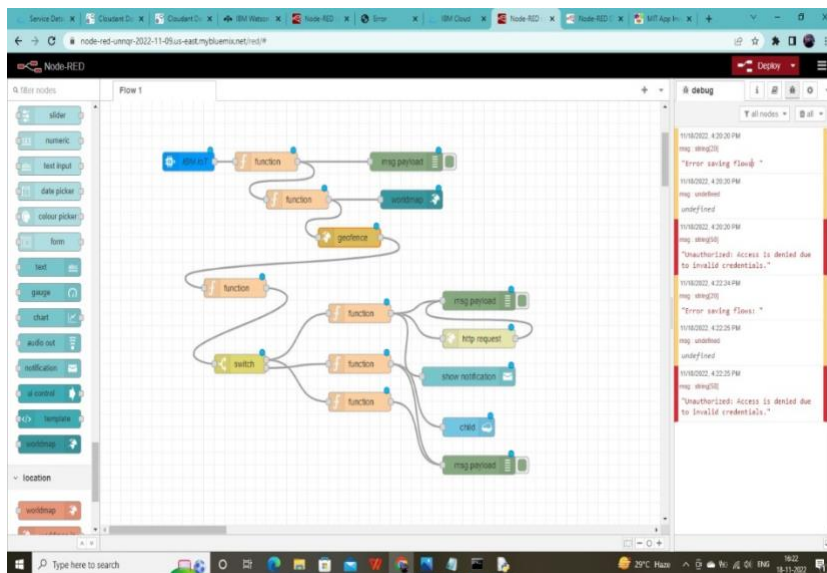


```
graph TD; inject --> f1[function]; f1 --> mp1[msg payload]; f1 --> f2[function]; f2 --> worldmap; f2 --> geofence; geofence --> f3[function]; f3 --> rbe; rbe --> mp2[msg payload]; rbe --> http[http request]; http --> show[show dialog]; show --> child; child --> f4[function]; f4 --> f5[function]; f5 --> f6[function]; f6 --> mp3[msg payload];
```

debug console output:

```
11/18/2022, 12:03:55 PM node:child  
msg: error  
"TypeError: Cannot read properties of  
null (reading 'account')"
```

Node-RED interface showing a flow with nodes: slider, numeric, text input, data picker, color picker, form, text, gauge, chart, audio out, notification, all controls, 433 temp, worldmap, location, worldmap, and msg payload. The debug console shows multiple error messages: "Error saving flow: ", "msg: undefined", "Unauthorized: Access is denied due to invalid credentials.", and "Error saving flows: ".



```
graph TD; slider --> f1[function]; f1 --> mp1[msg payload]; f1 --> f2[function]; f2 --> worldmap; f2 --> geofence; geofence --> f3[function]; f3 --> mp2[msg payload]; f3 --> http[http request]; http --> show[show notification]; show --> chart; chart --> mp3[msg payload];
```

debug console output:

```
11/18/2022, 4:20:20 PM  
msg: msgflow  
"Error saving flow: "  
11/18/2022, 4:20:20 PM  
msg: undefined  
undefined  
11/18/2022, 4:20:20 PM  
msg: msgflow  
"Unauthorized: Access is denied due  
to invalid credentials."  
11/18/2022, 4:22:34 PM  
msg: msgflow  
"Error saving flows: "  
11/18/2022, 4:22:35 PM  
msg: undefined  
undefined  
11/18/2022, 4:22:35 PM  
msg: msgflow  
"Unauthorized: Access is denied due  
to invalid credentials."
```