

Create a node red service

Date	12 November 2022
Team ID	PNT2022TMID48693
Project Name	Smart waste management system for metropolitan cities

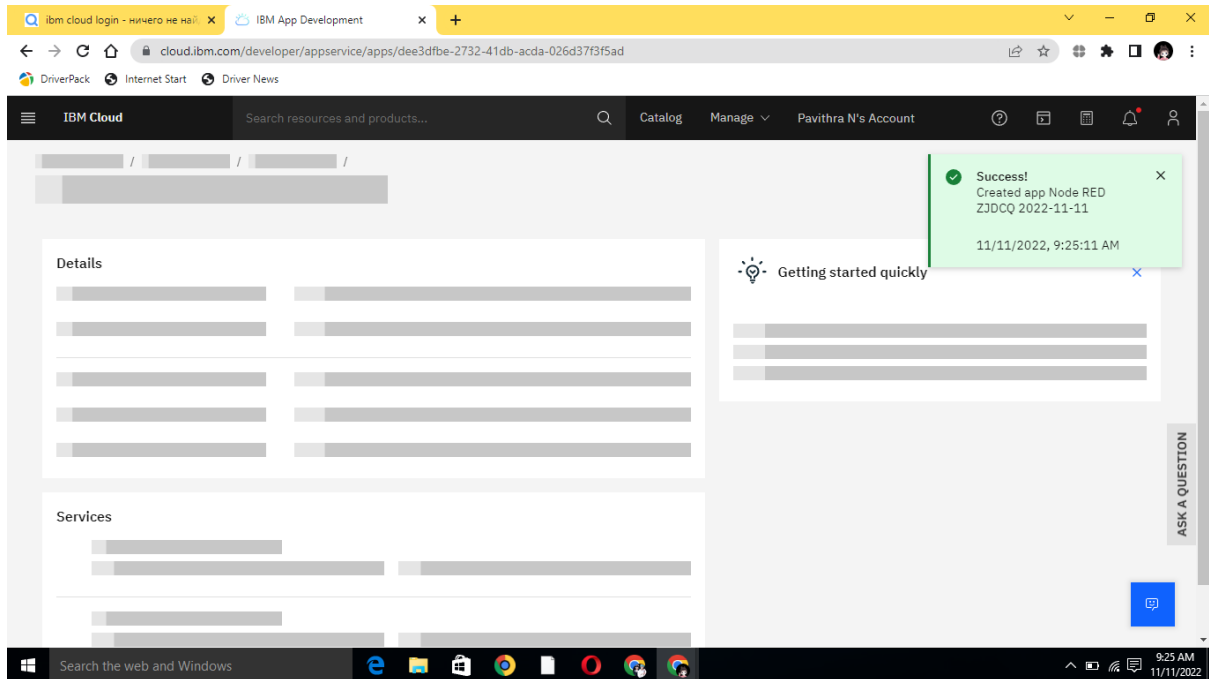
Step 1:

The screenshot shows the IBM Cloud Developer console interface. The browser address bar displays the URL: `cloud.ibm.com/developer/appservice/apps/c75e4e2a-28be-471c-8461-cb4efc887212`. The page title is "Node RED CALIK 2022-11-11". The "Details" section on the left lists the following information:

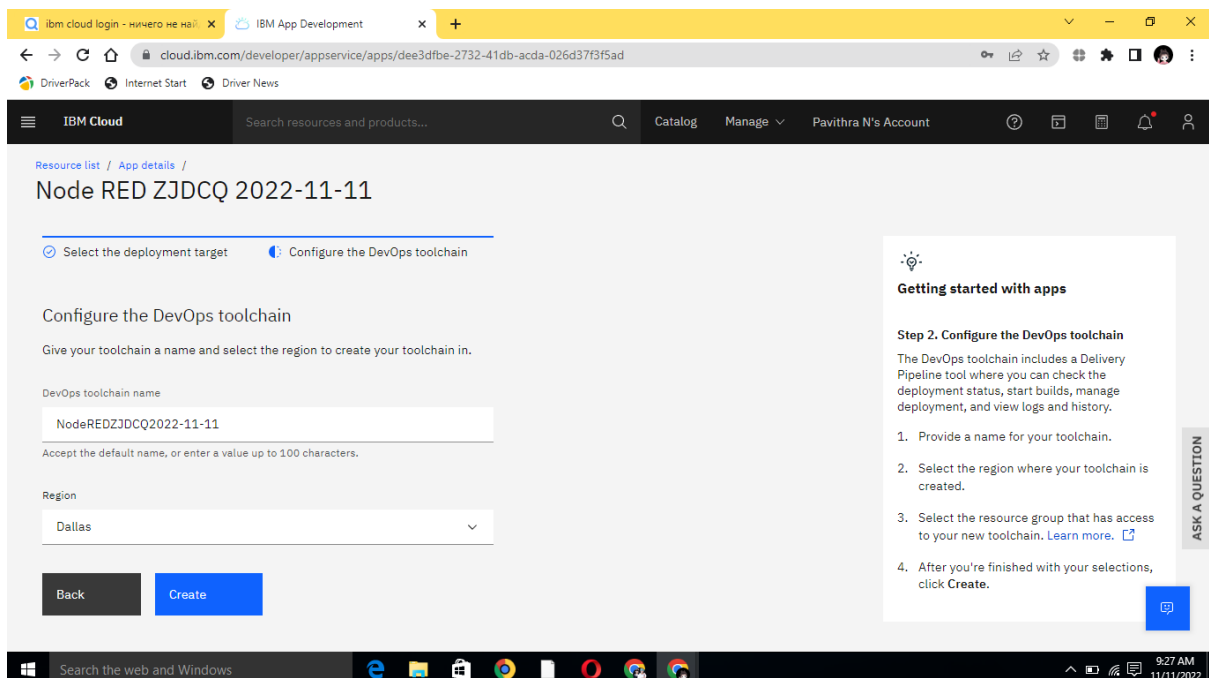
- App URL: You must deploy your app first
- Source: Download code (with a download icon)
- Resource group: Default
- Deployment target: You must deploy your app first
- Created: 11/11/2022

The "Services" section on the left shows the "Cloudant" service with links to "Open dashboard", "Documentation", and "API reference". The "Deployment Automation" section on the right contains a "Configure Continuous Delivery" card with a "Deploy your app" button. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

Step 2:



Step 3:



Step 4:

The screenshot shows the IBM Cloud 'Kubernetes cluster' creation page. The browser tabs include 'ibm cloud login', 'IBM App Development', and 'Create a Cluster - IBM Cloud'. The URL is 'cloud.ibm.com/kubernetes/catalog/create'. The page features a 'Create' button and a 'Summary' sidebar. The summary shows a 'Worker node' configuration: Free - 2 vCPUs 4GB RAM, Virtual - shared, Ubuntu 18. The 'Total estimated cost' is 'Free/mo'. A 'Create' button is visible at the bottom of the summary. The main content area has a 'Plan details' section with a 'Pricing plan' dropdown set to 'Free'. A message states: 'You have already created your one free cluster. Ready to create more clusters? Choose the Standard cluster type.'

Step 5:

The screenshot shows the IBM Cloud 'App details' page for 'Node RED MCDAN 2022-11-12'. The browser tabs include 'ibm cloud login', 'IBM App Development', and 'mycluster-free - IBM Cloud'. The URL is 'https://cloud.ibm.com/developer/appservice/apps/db0724c8-e4f0-42c3-b660-f24737a2a7e9'. The page displays an 'Error' message: 'The Kubernetes service returned an invalid HTTP response. Check the account permissions, or try again later. Incident ID: c2a601b6-6f9b-4c6c-97ea-6544df944b13'. The 'Details' section shows 'App URL' and 'Source' (with a 'Download code' button). The 'Deployment Automation' section has a 'Deploy your app' button. The 'Services' section lists 'Cloudant'. The page also includes a 'Resource list / App details /' breadcrumb and an 'Add tags' link.

Step 6:

The screenshot shows the IBM Cloud Developer console for an application. The 'Details' section on the left lists the App URL, Source (with a 'Download code' button), Resource group (Default), Deployment target, and Created date (11/12/2022). The 'Services' section below it shows the Cloudant service with links to the Open dashboard, Documentation, and API reference, and a Credentials dropdown. At the bottom of the Services section are buttons for 'Connect existing services' and 'Create service'. The 'Deployment Automation' section on the right shows the pipeline Name (NodeREDMCDAN2022-11-12), Location (Dallas), Tool integrations, and Delivery Pipelines. The Delivery Pipelines section lists two pipelines: 'pr-pipeline' with status 'No stages detected' and 'ci-pipeline' with status 'In progress'. A vertical 'ASK A QUESTION' button is on the right side of the console.

Step 7:

This screenshot is similar to the previous one, showing the IBM Cloud Developer console. The 'Details' and 'Services' sections are identical. In the 'Deployment Automation' section, the 'ci-pipeline' status has changed from 'In progress' to 'Success', indicated by a green checkmark. The 'ASK A QUESTION' button remains on the right side of the console.

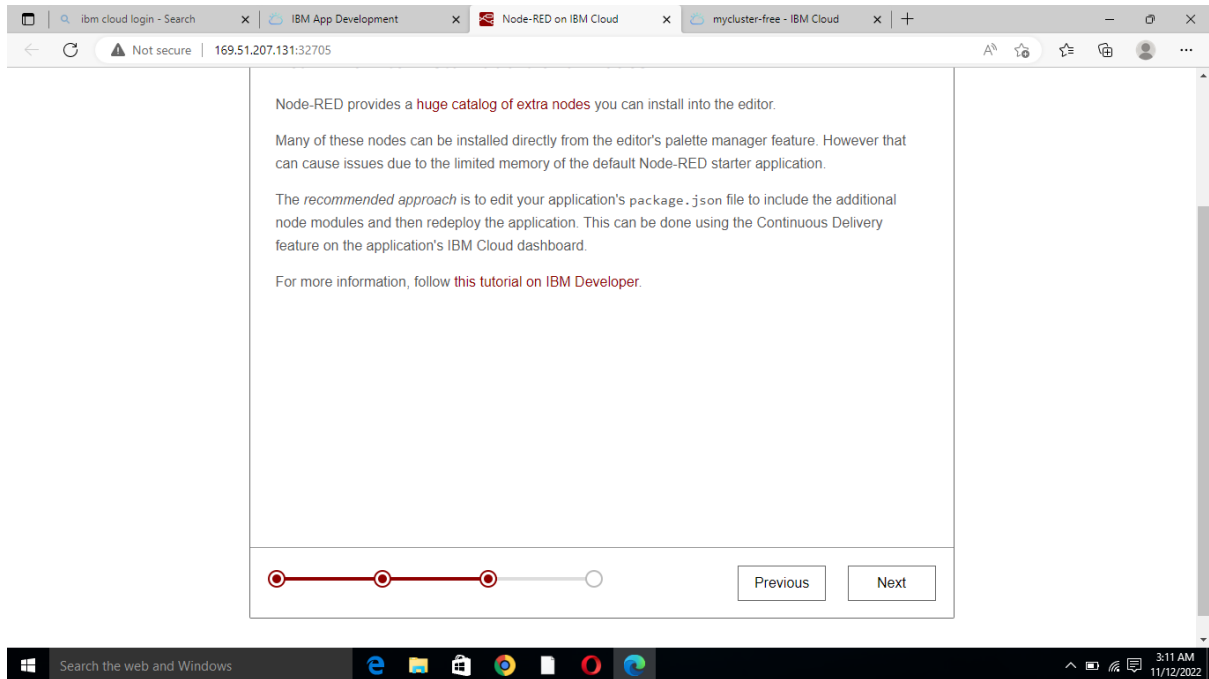
Step 8:

The screenshot shows the IBM Cloud Developer console interface. The browser tabs include 'ibm cloud login - Search', 'IBM App Development', and 'mycluster-free - IBM Cloud'. The URL is 'https://cloud.ibm.com/developer/appservice/apps/db0724c8-e4f0-42c3-b660-f24737a2a7e9'. The page title is 'Node RED MCDAN 2022-11-12'. The 'Details' section shows the App URL as 'http://169.51.207.131:32705', the Source as 'https://us-south.git.cloud.ibm.com/sharmiladevischatz/NodeREDM...', the Resource group as 'Default', the Deployment target as 'mycluster-free', and the Created date as '11/12/2022'. The 'Services' section shows the 'Cloudant' service with links to 'Open dashboard', 'Documentation', and 'API reference'. The 'Deployment Automation' section shows the 'Name' as 'NodeREDMCDAN2022-11-12', the 'Location' as 'Dallas', and 'Tool integrations'. The 'Delivery Pipelines' section shows two pipelines: 'pr-pipeline' with status 'No stages detected' and 'ci-pipeline' with status 'Success'. The bottom of the screen shows the Windows taskbar with the time '3:10 AM' and date '11/12/2022'.

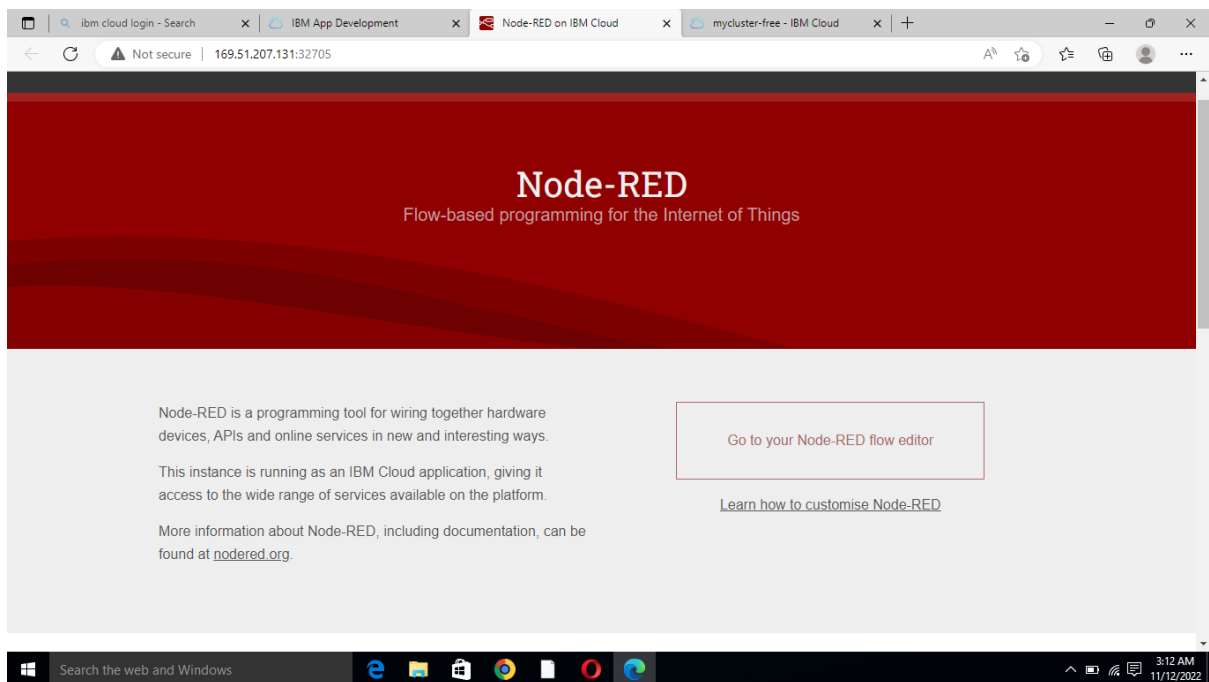
Step 9:

The screenshot shows a security warning dialog box for Node-RED on IBM Cloud. The dialog box has two radio buttons: 'Secure your editor so only authorised users can access it' and 'Not recommended: Allow anyone to access the editor and make changes'. The second option is selected. Below the second option, it says 'Your editor will not be secured. Anyone with the URL will be able to access your flows, data and bound services.' and a checkbox 'Tick this box to confirm you want your editor to be insecure' is checked. At the bottom of the dialog box, there is a progress bar with two red dots and two white dots, and buttons for 'Previous' and 'Next'. The browser tabs include 'ibm cloud login - Search', 'IBM App Development', 'Node-RED on IBM Cloud', and 'mycluster-free - IBM Cloud'. The URL is '169.51.207.131:32705'. The bottom of the screen shows the Windows taskbar with the time '3:11 AM' and date '11/12/2022'.

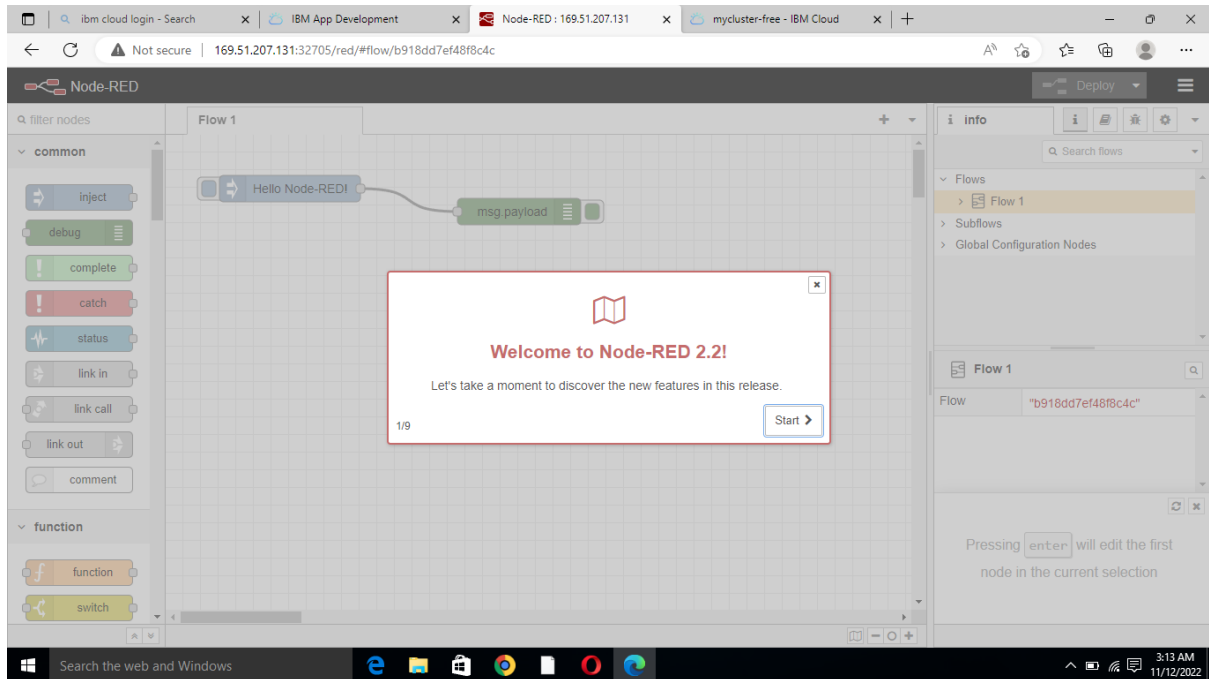
Step 10:



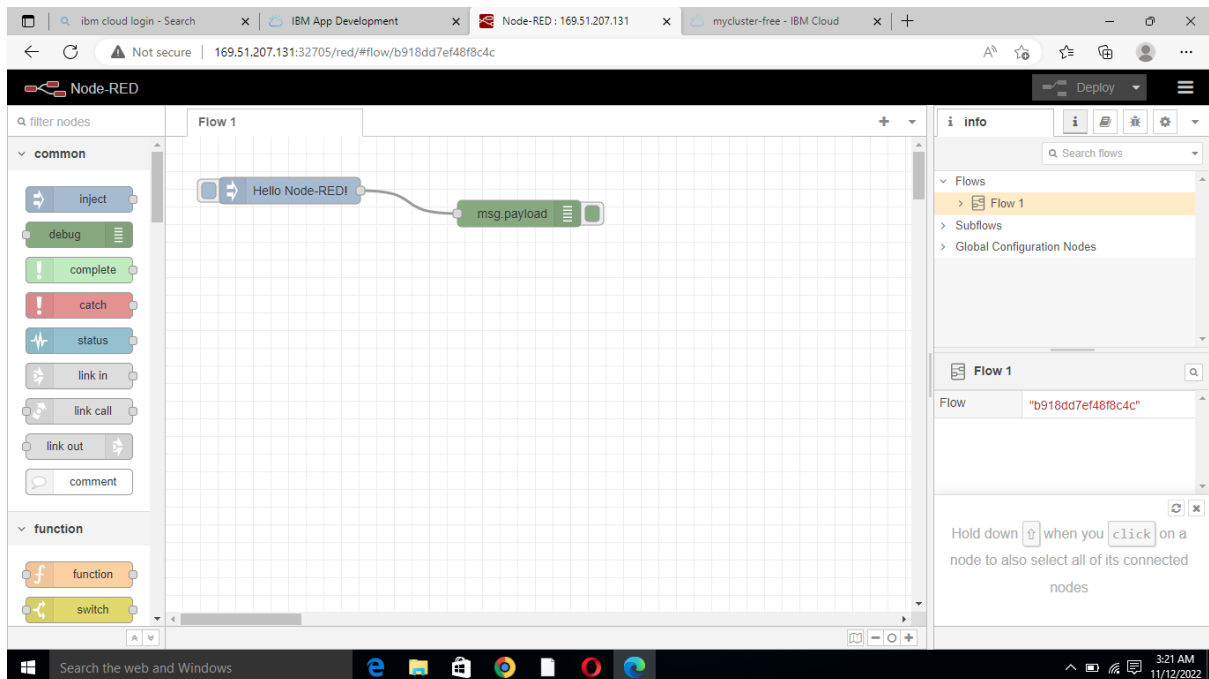
Step 11:



Step 14:



Step 15:



We successfully created the node red service