

IBM Cloud Service

Node-RED Service

Team ID : PNT2022TMID12758

Project Name: IoT Based Smart Crop Protection System for Agriculture

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1) Creating a resource

IBM App Development x Create a Cluster - IBM Cloud x IBM Watson IoT Platform x +

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Plan details

Learn more about the differences between plans in our docs.

Pricing plan

Free

Kubernetes version

Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.

1.24.7

Resource details

Cluster name

mycluster-free

Resource group

Default

Default

Summary

United States

Kubernetes cluster

Worker node Free

Free - 2 vCPUs, 4GB RAM
Virtual - shared
Ubuntu 18

Total estimated cost Free/mo

Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.

Create

Add to estimate

2) Resource is created – mycluster-free

The screenshot shows the IBM Cloud Kubernetes dashboard for a cluster named 'mycluster-free'. The cluster is in a 'Normal' state and expires in 30 days. A warning banner indicates that the cluster will be deleted in 30 days and advises backing up data. The dashboard provides a 'Kubernetes dashboard' link and an 'Actions...' menu. The left sidebar lists navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main content area displays four status cards: Node status (1 of 1 Normal), Add-on status (0 of 0 Normal), Master status (Normal), and Ingress status (Healthy). Below these is a 'Details' section with fields for Cluster ID, Version (1.24.7_1542), Infrastructure (Classic), Zones (Milan 01), Created time (15/11/2022, 22:58), Resource group (Default), and Image security enforcement (Enable button). At the bottom, a 'Node health' section shows 1 total nodes.

3) Adding Node-RED to the Resource

The screenshot shows the IBM Cloud App Service details page for an application named 'Node RED VIYKG 2022-11-15'. The page includes an 'Actions...' menu. The 'Details' section shows fields for App URL, Source (with a 'Download code' button), Resource group (Default), Deployment target, and Created time (15/11/2022). The 'Services' section lists 'Cloudant' with links to 'Open dashboard', 'Documentation', and 'API reference', and a 'Credentials' dropdown. At the bottom of this section are buttons for 'Connect existing services' and 'Create service'. The 'Deployment Automation' section shows the application's Name, Location (Dallas), and Tool integrations. The 'Delivery Pipelines' section lists two pipelines: 'pr-pipeline' (No stages detected) and 'ci-pipeline' (Success). A vertical 'ASK A QUESTION' button is on the right. The footer includes a 'Getting started quickly' link and a URL: https://cloud.ibm.com/account/resource-groups.

4) Node-RED is created.

