

Create and configure IBM cloud services

Creation of node-RED

Date	10 November 2022
Team ID	PNT2022TMID24241
Project Name	Project – IOT Based Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

NODE RED

The screenshot displays the Kubernetes dashboard interface. The left sidebar shows the navigation menu with categories: Workloads, Service, and Config and Storage. The main content area is titled 'Workloads' and contains a 'Workload Status' section. This section features two large red circles, each with a line pointing to the text 'Failed: 1'. The first circle is labeled 'Daemon Sets' and the second is labeled 'Pods'. Below this, there is a table titled 'Daemon Sets' with columns: Name, Images, Labels, Pods, and Created. The table contains one entry: 'node-red' with a red status icon, 'Show all' links for Images and Labels, '0 / 1' in the Pods column, and '8.seconds.ago' in the Created column.

Name	Images	Labels	Pods	Created
node-red	Show all	Show all	0 / 1	8.seconds.ago

Clusters /

mycluster-free

Normal

Expires in 29 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps New

Expires in 29 days:

Be sure to back up your data, your cluster will be deleted in 29 days. To access the full capabilities of the service, try out a standard cluster.

Node status

1 of 1

Normal

Details

Add-on status

0 of 0

Normal

Details

Master status

Normal

Docs

Ingress status

Unknown

Docs

Details

Cluster ID

cd8hp8of0i93cdp08hfg

Version

1.23.12_1546

Infrastructure

Classic

Zones

Milan 01

Created

20/10/2022, 15:32

Resource group

Default

Image security enforcement

Enable

Node health

Worker node details

1 total nodes

kubernetes

default

Search

+ 🔔 ⓘ

Config and Storage > Config Maps > kube-root-ca.crt

✎ 🗑

Workloads ⓘ

Cron Jobs

Daemon Sets

Deployments

Jobs

Pods

Replica Sets

Replication Controllers

Stateful Sets

Service ⓘ

Ingresses

Services

Config and Storage

Config Maps ⓘ

Persistent Volume Claims ⓘ

Secrets ⓘ

Storage Classes

Metadata

Name

Namespace

Created

Age

UID

kube-root-ca.crt

default

Oct 20, 2022

1.8 hours ago

d7c8876f-6709-4f64-aad2-3d4b6cb1e8d3

Annotations

kubernetes.io/description

Data

```
1 {
2   "ca.crt": "-----BEGIN CERTIFICATE-----
3     MIIDQCCAlIgaUwIBAgIUVCvXUwDpLbdddBC0S00D0+N5LqNUuQY3KoZIHvcNAQEL
4     BQAwODE2DQGAUUEAMHY2Q4aHA4b2YuaTkzY2RuODV0Zmcta3VlZXJlcy1j
5     YS0xh1Y2h1Ym1jaWwBAXDTIyMTAyMDA5NTg1gMFoKDTI3MTA0OTA5NTg1gMFoKDE2
6     MDQGAUUEAMHY2Q4aHA4b2YuaTkzY2RuODV0Zmcta3VlZXJlcy1jY50xh1Y2
7     h1Ym1jaWwBIIIBIjANBgkqhkiG9w0BAQEFAAOCQAQANIBCCAQEAw3MA1S9ugYTK
8     hoY6ZvT2Im650qRSuHejmsOgVusR63zN0bu78rM1CyzLNUK0NKL7ae3kx/7Hg813s
9     Rk/eHz4tZD0bRDQd/ukYRZeguCTAmHkadyIeZg8jymuxjN5p5lyYpV95320+yVB
10    YfhD/yH18pyI0809+5NI8+D5duThFvLpxrqocCVI7mEQD7pMOpXUutqU998ho
11    /zU1mdgm8a+DusFR136b/4YUaa/rAdxXcEpbj3b+vQ1W1jVCKKh6vaujnP8PEua
12    qKKTAF1UV3I8CeGb1x1yLCct5UEAG08tcQZ0k12uYbYmKed8pa1HZCV05NEg061oz
13    QBPd2k3/+QIDAQABo81uQDAOBgNVHQ8BAF8EBAAQANuVDR0TAQH/BAUwAwEB
14    /zAdBgNVHQ4EFgQU0Bj8JC+YAEHb5k5rPT2uW41QHge4uQV7KoZIHvcNAQELBQAD
15    ggEBAD1e1Igz3ms3MLOtHYR0MgKICPGFvQrHLPms8q1tAMH/5xVhJkuoL9NpY8C
16    67E01YefZB3L17mWda5uHGBW03dC9Kf/HsT1p1SC53uezQ08UD05+MIZCvDFj
17    qan11aCHy+YEO7vSrFua3AytotAn1dr6UbeARP1vurFCUKNsFEKxd15T8JtcaRo
18    LeyUUCXox7G5M/gQeEsIEqDLPXzrx9T3ruf6BT4vAR9ghRe1rZFsqeFVPQrTLHP
19    VIOauhuHUCzve89n4PrbABN2b319XSmfcp/1BFLCvDTUjs5sa8o708g14UYvFG
```

filter nodes

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

range

...

Flow 1

Hello Node-RED!

msg.payload

info

Search flows

Flows

Flow 1

Subflows

Global Configuration Nodes

Flow 1

Flow

"39c0e87107bddacb"

Enable or disable these tips from the option in the settings