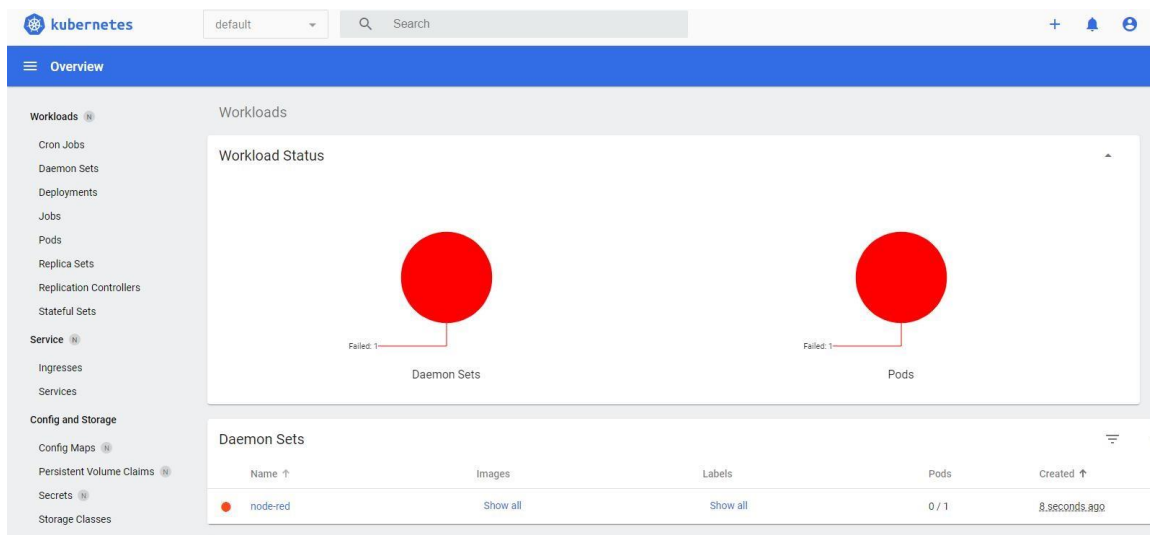


# Create and configure IBM cloud services

## Creation of node-RED

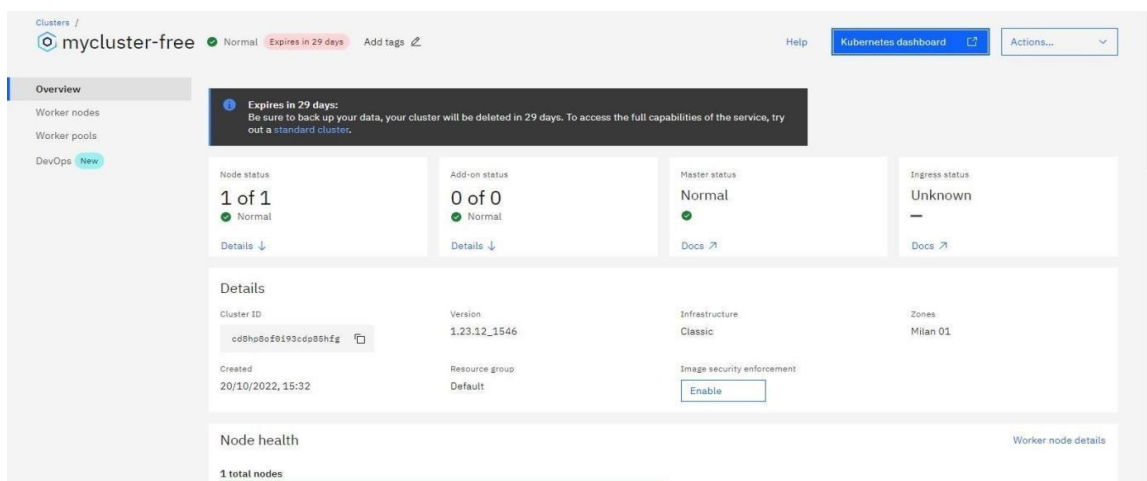
Date	18 November 2022
Team ID	PNT2022TMID21670
Project Name	Project – IOT Based Real time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

## NODE RED



The image shows the Kubernetes Dashboard Overview page. The left sidebar contains a navigation menu with sections: Workloads (Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets), Service (Ingresses, Services), and Config and Storage (Config Maps, Persistent Volume Claims, Secrets, Storage Classes). The main content area is titled 'Workloads' and features a 'Workload Status' section with two large red circles representing 'Daemon Sets' and 'Pods', each with a 'Failed: 1' label. Below this is a 'Daemon Sets' table.

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



The image shows the IBM Cloud Clusters Overview page for a cluster named 'mycluster-free'. The top bar indicates the cluster is 'Normal' and 'Expires in 29 days'. A warning banner states: '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.' The left sidebar has a navigation menu: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main content area displays several status cards: 'Node status' (1 of 1, Normal), 'Add-on status' (0 of 0, Normal), 'Master status' (Normal), and 'Ingress status' (Unknown). Below these is a 'Details' section with fields for Cluster ID (cd8hp8o50i93cdp85hfg), Version (1.23.12\_1546), Infrastructure (Classic), Zones (Milan 01), Created (20/10/2022, 15:32), Resource group (Default), and Image security enforcement (Enable button). At the bottom, the 'Node health' section shows '1 total nodes' with a green progress bar.

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	18 hours ago	d7c8876f-6709-4f64-aad2-3d4b6cb1e8d3

Annotations

kubernetes.io/description

Data

```
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9
10 10
11 11
12 12
13 13
14 14
15 15
16 16
17 17
18 18
19 19
```

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