

## Deploy in Kubernetes cluster

apiVersion: v1kind:

Service metadata:

name: hello-world- deploymentspec:

ports:

- port: 5000 targetPort:

5000selector: app: hello-world

---

apiVersion: apps/v1kind: Deployment metadata:

name: hello-world- deploymentspec:

replicas: 1 selector:

matchLabels: app: hello-

worldtemplate: meta

data

:

labels

:

app: hello-worldspec:

containers:

- name: hello-world

image: au.icr.io/hello-world-app/hello-worldimagePullPolicy: Always

ports:

- containerPort: 5000

The screenshot shows the 'mycluster-free' dashboard. At the top, it 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.' Below this, four status cards are displayed: 'Node status' (1 of 1, Normal), 'Add-on status' (0 of 0, Normal), 'Master status' (Normal), and 'Ingress status' (Unknown). A 'Details' section at the bottom provides further information: Cluster ID (cd11j33f0a6nchav5kig), Version (1.24.7\_1542), Infrastructure (Classic), Zones (Milan 01), Created (04/11/2022, 01:12), Resource group (Default), and Image security enforcement (Enable button).

The screenshot shows the 'kubernetes' dashboard with the breadcrumb 'Workloads > Pods > hello-world-deployment-6c75b9c898-p4ntv > Logs'. The left sidebar lists various Kubernetes resources. The main area displays the logs for the 'hello-world' pod. The log content is as follows:

```
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.30.82.142:5000
Press CTRL+C to quit
```