

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 Google Cloud Kubernetes Engine console. At the top, the cluster is named 'mycluster-free' and is in a 'Normal' state, with a warning that it expires in 29 days. The left sidebar shows navigation options: Overview, Worker nodes, Worker pools, and DevOps (marked as 'New'). The main area displays a summary of the cluster's status:

- Node status:** 1 of 1 nodes are Normal.
- Add-on status:** 0 of 0 add-ons are Normal.
- Master status:** Normal.
- Ingress status:** Unknown.

Below this summary is a 'Details' section with the following information:

- Cluster ID:** cd11j33f0a6mchav5kig
- Version:** 1.24.7_1542
- Infrastructure:** Classic
- Zones:** Milan 01
- Created:** 04/11/2022, 01:12
- Resource group:** Default
- Image security enforcement:** A button labeled 'Enable' is present.

The screenshot shows the Kubernetes dashboard. The breadcrumb navigation indicates the path: Workloads > Pods > hello-world-deployment-6c75b9c898-p4ntv > Logs. The left sidebar shows a list of Kubernetes resources: Workloads (Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, Stateful Sets), Service (Ingresses, Ingress Classes, Services), and other resources. The main area displays the logs for the selected deployment:

```
* 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
```