

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 'Overview' page of a Kubernetes cluster named 'mycluster-free'. The cluster is in a 'Normal' state and will expire in 29 days. A warning banner at the top 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 the banner, there are four status cards: '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 more information: Cluster ID 'cdf1j39f9a6mchav5kig', Version '1.24.7_1542', Infrastructure 'Classic', Zones 'Milan 01', Created '04/11/2022, 01:12', Resource group 'Default', and an 'Image security enforcement' toggle set to 'Enable'.

The screenshot shows the 'Logs' page for the 'hello-world' deployment. The breadcrumb navigation is 'Workloads > Pods > hello-world-deployment-6c75b9c898-p4ntv > Logs'. The left sidebar shows the 'Stateful Sets' section under 'Workloads'. The main content area displays the logs for the 'hello-world' deployment in the 'hello-world-dep...' namespace. The logs show the following output:

```
* 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
```

The logs are from Nov 4, 2022 to Nov 4, 2022 UTC.