

# Inspecting Pod Resource Usage

## Relevant Documentation

- [Tools for Monitoring Resources](#)
- [kubectl cheat sheet](#)

## Lesson Reference

Install Kubernetes Metrics Server.

```
kubectl apply -f https://raw.githubusercontent.com/linuxacademy/content-cka-resources/master/metrics-server-c
```

Verify that the metrics server is responsive. Note that it may take a few minutes for the metrics server to become responsive to requests.

```
kubectl get --raw /apis/metrics.k8s.io/
```

Create a pod to monitor.

```
vi pod.yml
```

```
apiVersion: v1
kind: Pod
metadata:
  name: my-pod
  labels:
    app: metrics-test
spec:
  containers:
  - name: busybox
    image: radial/busyboxplus:curl
    command: ['sh', '-c', 'while true; do sleep 3600; done']
```

```
kubectl apply -f pod.yml
```

Use `kubectl top` to view resource usage by pod.

```
kubectl top pod
```

Sort output with `--sort-by` .

```
kubectl top pod --sort-by cpu
```

Filter output by label with `--selector` .

```
kubectl top pod --selector app=metrics-test
```

