

Creating Multi-Container Pods

Relevant Documentation

- [Using Pods](#)
- [Shared Volumes](#)
- [Patterns for Composite Containers](#)

Lesson Reference

Create a simple multi-container Pod.

```
vi multi-container-pod.yml
```

```
apiVersion: v1
kind: Pod
metadata:
  name: multi-container-pod
spec:
  containers:
    - name: nginx
      image: nginx
    - name: redis
      image: redis
    - name: couchbase
      image: couchbase
```

```
kubectl create -f multi-container-pod.yml
```

View your pod's status.

```
kubectl get pod multi-container-pod
```

Create a multi-container Pod that uses shared storage.

```
vi sidecar-pod.yml
```

```
apiVersion: v1
kind: Pod
metadata:
  name: sidecar-pod
spec:
  containers:
    - name: busybox1
      image: busybox
      command: ['sh', '-c', 'while true; do echo logs data > /output/output.log; sleep 5; done']
      volumeMounts:
        - name: sharedvol
          mountPath: /output
    - name: sidecar
      image: busybox
      command: ['sh', '-c', 'tail -f /input/output.log']
      volumeMounts:
        - name: sharedvol
```

```
    mountPath: /input
volumes:
- name: sharedvol
  emptyDir: {}
```

```
kubectl create -f sidecar-pod.yml
```

View the logs for the sidecar container.

```
kubectl logs sidecar-pod -c sidecar
```