

Troubleshooting Your Applications

Relevant Documentation

- [Troubleshoot Applications](#)
- [Get a Shell to a Running Container](#)
- [Determine the Reason for Pod Failure](#)

Lesson Reference

Log in to your K8s Control Plane node.

Create a pod to work with:

```
vi troubleshooting-pod.yml
```

```
apiVersion: v1
kind: Pod
metadata:
  name: troubleshooting-pod
spec:
  containers:
  - name: busybox
    image: busybox
    command: ['sh', '-c', 'while true; do sleep 5; done']
```

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

List your pods:

```
kubectl get pods
```

Look more closely at a pod:

```
kubectl describe pod troubleshooting-pod
```

Run a command inside a pod's container:

```
kubectl exec troubleshooting-pod -c busybox -- ls
```

Get an interactive shell to a container:

```
kubectl exec troubleshooting-pod -c busybox --stdin --tty -- /bin/sh
```

```
ls
```

```
echo hello
```

```
exit
```