

Pods

» Creating Pods with Generators

Overview

We use the `run` subcommand to run a Pod, Job, or a Deployment in the cluster. We will discuss Jobs and Deployments later.

```
oc run --help | grep "restart policy"
```

Run a simple nginx web server pod.

```
oc run nginx --image nginx --restart=Never
```

Get the list of pods.

```
oc get pods
```

View additional information about the pod.

```
oc get pods -o wide
```

View a detailed description of the running pod.

```
oc describe pod nginx
```

Commands

View the IP address of the running pod.

```
oc exec nginx -- hostname -i
```

Let's execute an `echo` command within the pod.

```
oc exec nginx -- /bin/echo "Hello from Redhat"
```

Execute an interactive shell session inside the container.

```
oc exec -it nginx -- /bin/sh
```

Run some commands inside the container and exit.

```
ls
cat /etc/os-release
hostname
exit
```

Notice the label that automatically gets set on a pod that is created with `kubectl run`

```
oc get pods --show-labels
```

Clean Up

Use the `delete` subcommand to delete the resources that were created.

```
oc delete --help
```

Delete the resources that we created.

```
oc delete pod nginx
```