

Restart Policy

Always : (Default) Restart the Pod continuously upto 5 mins in any state (failed, exited etc.).
OnFailure : Restart the Pod continuously upto 5 mins if the Pod has failed.
Never : Do not attempt any restart under and circumstance.

CRI-O (Container Runtime)

- crictl pods
- crictl logs
- crictl images etc.

Defining a Image name

registry_name/user_name/image_name:tag

Example:
docker.io/dtg2468/my-httpd:3.4.5

Dockerfile Example

```
FROM quay.io/centos/centos:7
MAINTAINER Deep Shah <deep.shah.7677@gmail.com>
LABEL training redhat
ENV PASSWORD redhcatocp
EXPOSE 80
RUN yum install httpd -y
WORKDIR /etc
CMD ["/usr/sbin/httpd","-D","FOREGROUND"]
```

HISTORY

```
56 vim Dockerfile
57 podman build -t apache:v1 .
58 podman image ls
59 podman run -d --name New-Container localhost/apache:v1
60 podman containerls
61 podman container ls
62 podman inspect
63 podman inspect localhost/apache:v1
```

Skopeo

Needs to be installed
sudo dnf install skopeo -y

Syntax to use Skopeo to inspect container images

transport://registry_server/user_name/image_name:tag

Example:

docker://docker.io/dtg2468/my-container:v1.12

Example:

skopeo copy docker://docker.io/nginx docker://quay.io/dtg2468/new/nginx

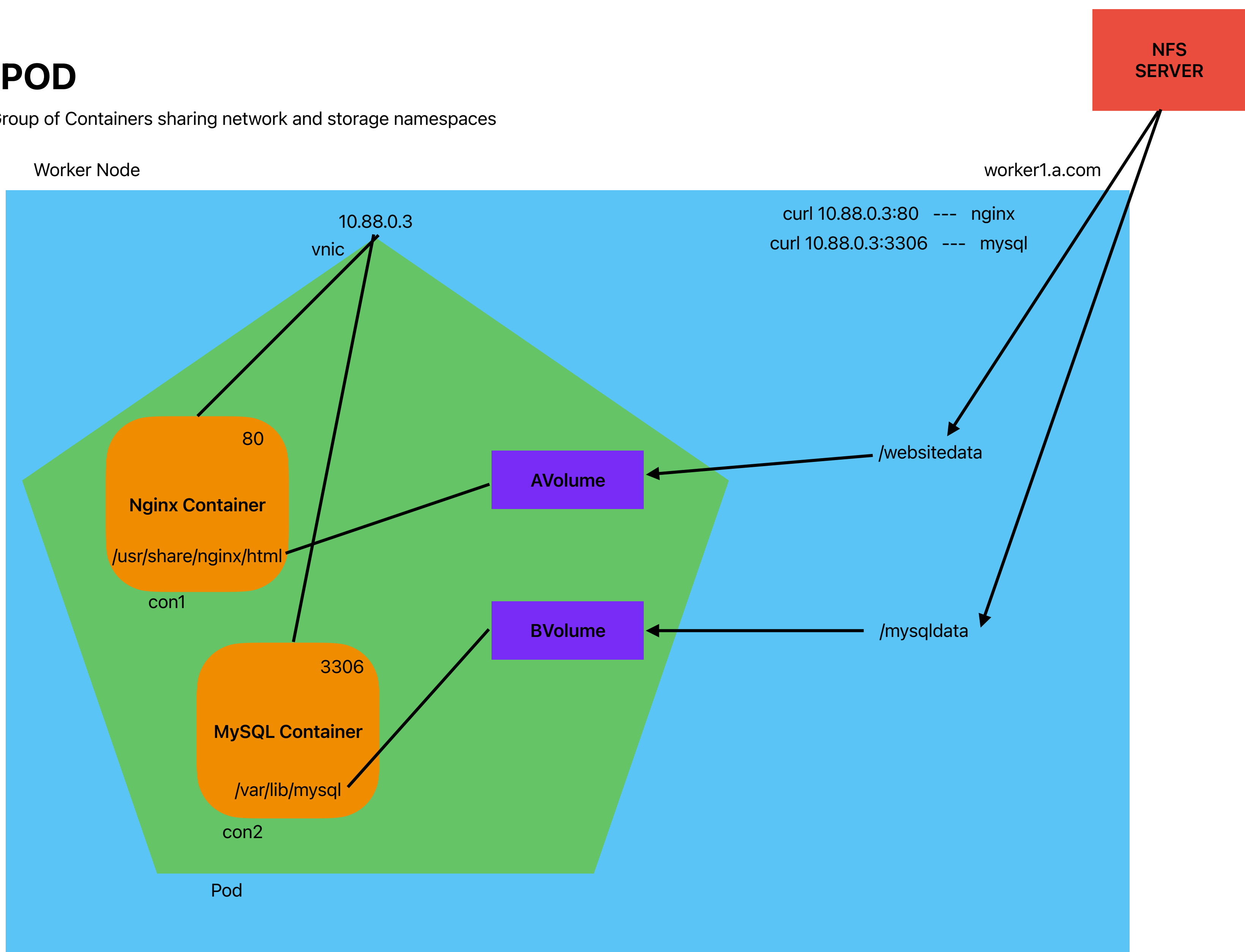
Troubleshooting Related Commands

- oc describe
- oc edit
- oc patch
- oc cp
- oc exec
- oc status
- oc explain
- oc logs
- oc rsh
- oc rsync

TEMPLATE

POD

Group of Containers sharing network and storage namespaces



pod.yaml

```
apiVersion: v1
kind: Pod
metadata:
  name: my-pod
  namespace: my-ns
spec:
  nodeName: worker1.a.com
  containers:
    - name: nginx-container
      image: nginx:1.14.2
      volumeMounts:
        - name: AVolume
          mountPath: /usr/share/nginx/html
    - name: mysql-container
      image: mysql:latest
      volumeMounts:
        - name: BVolume
          mountPath: /var/lib/mysql

volumes:
  - name: AVolume
    hostPath:
      path: /websitedata
      type: Directory
  - name: BVolume
    hostPath:
      path: /mysqldata
      type: Directory
```