

Pods

» HostPath Volumes

Overview

Describe a new pod that uses a `HostPath` volume.

```
cat > volumes-host-path.yaml <<EOF
apiVersion: v1
kind: Pod
metadata:
  name: volume-on-the-host
spec:
  containers:
    - name: server
      image: nginx:1.13-alpine
      ports:
        - containerPort: 80
          protocol: TCP
      volumeMounts:
        - mountPath: /var/www/html/
          name: host-volume
    - name: side-car
      image: busybox
      command: ["/bin/sleep", "600"]
      volumeMounts:
        - mountPath: /data
          name: host-volume
  volumes:
    - name: host-volume
      hostPath:
        path: /usr/lib
EOF
```

Create the new pod.

```
kubectl create -f volumes-host-path.yaml
```

Attach to the `server` container to view the host volume contents.

```
kubectl exec -it volume-on-the-host -c server /bin/sh
mount | grep /var/www/html
ls /var/www/html/
exit
```

Attach to the `side-car` container to view the host volume contents.

```
kubectl exec -it volume-on-the-host -c side-car /bin/sh
ls /data
exit
```

Clean Up

Clean up the resources that were created.

```
kubectl delete -f volumes-host-path.yaml
```