

Section 6. „Volumes”

Links:

<https://github.com/pythonincontainers/k8s-volume>

Commands:

```
$ git clone https://github.com/pythonincontainers/k8s-volume
```

```
$ cd k8s-volume
```

```
$ atom .
```

```
$ kubectl apply -f emptyDir.yml
```

```
# echo "testing" > /tmp-vol/test-file
```

```
# ls -l /tmp-vol
```

```
# date > /tmp-vol/time
```

```
# ls -l /tmp-vol
```

```
$ minikube ssh
```

```
$ sudo su
```

```
$ mkdir -p /tmp/shared-volume
```

```
$ echo "Preconfigured content" > /tmp/shared-volume/existing
```

```
$ exit
```

```
$ exit
```

```
$ kubectl apply -f hostPath.yml
```

```
# ls -l /var/run/docker.sock
```

```
# more /etc/hosts.minikube
```

```
# ls -l /data
```

```
# more /data/existing
```

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```
# echo "pod1" > /data/pod1

# ls -l /data

$ kubectl delete -f hostPath.yml

$ minikube ssh

$ sudo su

$ ls -l /tmp/shared-volume

$ more /tmp/share-volume/pod1

$ exit

$ exit

$ kubectl apply -f PVCdefault.yml

$ kubectl apply -f deployment-PVC.yml

$ kubectl delete -f deployment-PVC.yml

$ kubectl delete -f PVCdefault.yml

$ kubectl delete -f emptyDir.yml
```