Storage (S8)

Volumes

- In docker volume is linked to container to keep data persistent
- In kubernetes volume is attached to pod to store data
    - Specify volume in spec in definition file and use volume mounts
    - Also possible to specify different type of volumes like aws, gcp, …

Persistent Volumes (PV)

- Cluster wide pool of storage volumes to manage storage more centrally
    - Users can select storage with volume claims
    - Create with a definition file
        - accessMode: Readonlymany, readwriteonce, readwritemany
        - Capacity
        - Volumetype: path, awsStore, etc.
    - *Kubectl get persistentvolume*

Persistent Volume Claims (PVC)

- Volumes getting bound to PVC
    - 1 to 1 releationship
    - If no volume available claim is pending state
- Specified with definition file
    - *Kubectl get persistentvolumeclaim*