Persistent Volume Claim
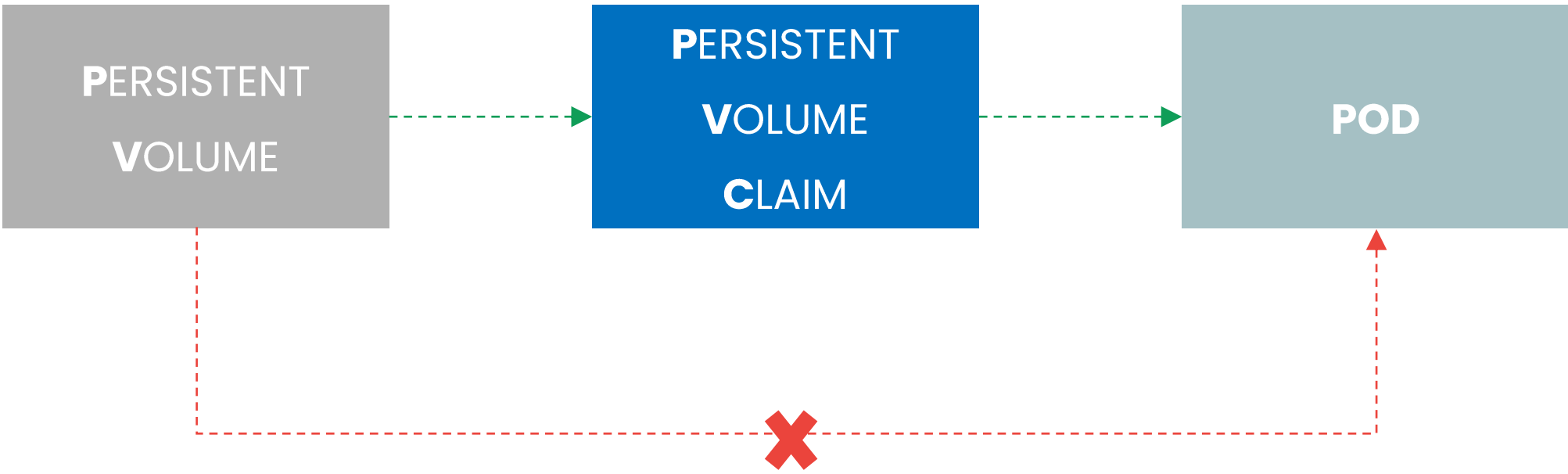## (PVC)

CREATING - PVC

1 Create Persistent Volume Claim (PVC)

```
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
  name: mongodb-pvc
spec:
  storageClassName: ""
  resources:
    requests:
      storage: 1Gi
  accessModes:
  - ReadWriteOnce
```

2 **Display** Persistent Volume Claim (PVC)

```
kubectl get pvc
```

```
kubectl get pvc [PVC-NAME]
```

```
kubectl describe pvc [PVC-NAME]
```

3 **Delete** Persistent Volume Claim (PVC)

```
kubectl delete pvc [PVC-NAME]
```

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PERSISTENT VOLUME (PV) & PERSISTENT VOLUME CLAIM (PVC)

1. Admin Sets up Persistent Storage

Persistent Storage

2. Admin Creates Persistent Volume (PV)

Persistent Volume

Admin

3. Developer Creates Persistent Volume Claims (PVC)

Persistent Volume Claim

4. Kubernetes finds a PV of adequate size and access mode and binds the PVC to the PV

5. Creates Pod with Volume with PVC

Volume

Pod

Developer

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