Standard Operating Procedure

*Duplicate PVC*

## PURPOSE

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure to resolve duplicate PVC issue.

## PROCEDURE

1. Check PV and PVC:

oc get pv | grep <pv name>

oc get pvc | grep <pvc name> -n <project name>

Here is an example of duplicate PVC in loyalty-test1 project:

[svc-vxby-ose@master01-devtest-vxbyr ~]$ oc get pvc

NAME STATUS VOLUME CAPACITY ACCESSMODES AGE

loyalty-test1-u169-pv Pending loyalty-test1-u169-pv 0 6h

loyalty-test1-u48-pv Bound loyalty-test1-u48-pv 20Gi RWO 1y

[svc-vxby-ose@master01-devtest-vxbyr ~]$ oc get pv | grep loyalty-test1-u169-pv

loyalty-test1-u169-pv 20Gi RWO Released loyalty-test1/loyalty-test1-u169-pv 36d

loyalt-test1-u169-pv pvc was shared across two pv in the same loyal-test1 project, which cannot be done in Openshift. loyalty-test1-u169-pv PVC was released from its original loyalty-test1-u169-pv PV and loyalty-test1 project was unable to see the PVC. The only option was to recreate this PVC.

1. Delete the PVC, edit the yaml file, and recreate PVC:

oc delete pvc <pvc name> -n <project name>

oc create -f <pvc yaml file>

1. If the PVC is still not bound (and is pending), it is likely that the PVC yaml file is bad. Contact appropriate App team/DevOps.

## VALIDATION

Follow the validation steps in “Procedure”.

Check for other applications that uses the same PVC. Check if the PVC is bound.

for i in `oc get dc --no-headers | awk '{print $1}'`; do echo $i; oc describe dc/$i | grep -i <pvc name>; done

**Document Version Control**

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