Standard Operating Procedure

*Scaling Down and Restoring Projects and Their HPAs*

## PURPOSE

The purpose of this standard operating procedure (SOP) is to provide a detailed step-by-step procedure on scaling down some projects, deleting HPAs (Horizontal Pod Autoscaling) of scaled down projects, and restoring scaled down projects and their HPAs.

## PROCEDURE:

1. Backup all dcs of the cluster:

oc get dc --all-namespaces > /root/alldcs.txt

1. Backup all hpas of cluster:

oc get hpa --all-namespaces > /root/allhpas.txt

1. Open script:

[root@master01-perf2-vxbyr scripts]# pwd

/home/svc-vxby-ose/OpenShift/scripts

vi scaledown\_dc+\_remove\_hpa.ksh

1. Put project name to be excluded here (–v grep <project name>), where scale down and removal of HPAs are not required. i.e. here are some projects to be excluded in ram-perf1:

oc get hpa --all-namespaces --no-headers| grep -v ram-perf1 |awk '{print $1}' > /tmp/Remove\_hpa/projects\_bk

oc get hpa --all-namespaces --no-headers| grep -v ram-perf1 |awk '{print $2}' > /tmp/Remove\_hpa/hpas\_bkp

oc get dc --all-namespaces |grep -vi name | grep -v default | grep -v openshift | grep -v ram-perf1 | grep -v logging | grep -v kube-system | awk '{print $1,$2,$4}' > /tmp/alldc.txt

1. Run the script:

sh scaledown\_dc\_remove\_hpa.ksh

It will scale down all project except openshift project and excluded projects (above). If there are more projects that need to be excluded, put another grep -v with project names.

1. After activity is completed, run below scripts to restore dcs and hpas of scaled down projects:

[root@master01-perf2-vxbyr scripts]# ll | grep -i restore

-rwxr-xr-x. 1 root root 236 Nov 21 01:17 Restoredcs.sh

-rwxrwxrwx. 1 root root 382 Nov 21 09:17 Restorehpas.sh

[root@master01-perf2-vxbyr scripts]# pwd

/home/svc-vxby-ose/OpenShift/scripts

The scripts are on perf (black/red); please transport these scripts to other envs where this activity is required.

## VALIDATION

Follow the validation steps in “Procedure”.

**Document Version Control**

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