

Table of Contents

SUSE 12 HA	3
Considerations for zVM	4

SUSE 12 HA

On both nodes:

```
echo softdog > /etc/modules-load.d/watchdog.conf
systemctl restart systemd-modules-load
lsmod | egrep "(wd|dog)"
```

On one node:

```
sbd -d /dev/sdb create
sbd -d /dev/sdb watch
sbd -d /dev/sdb message ha2 test
systemctl stop sbd
```

Modify /etc/sysconfig/sbd:

```
SBD_DEVICE="/dev/sdb"
SBD_OPTS="-W"
```

On first node:

```
ha-cluster-init --name hacluster
```

On second node:

```
ha-cluster-join
```

Check HAWK2 <https://192.168.122.10:7630/>

Add resources:

```
crm configure
primitive vip ocf:heartbeat:IPaddr \
params ip=192.168.122.30 op monitor interval=60s
commit
primitive clvmd ocf:heartbeat:clvmd \
op stop interval=0 timeout=100 \
op start interval=0 timeout=90 \
op monitor interval=90 timeout=90
primitive dlm ocf:pacemaker:controld \
op start timeout="90" \
op stop timeout="100" \
op monitor interval="60" timeout="60"
primitive sbd_stonith stonith:external/sbd \
params pcmk_delay_max=30
group storage dlm clvmd
clone cluster-storage storage \
meta interleave="true" ordered=true
```

commit

Configure storage:

```
pvcreate /dev/sda
vgcreate -cy vgcluster /dev/sda
lvcreate -n opt-ibm -L1G vgcluster
lvcreate -n opt-mqm -L1G vgcluster
lvcreate -n var-mqm -L1G vgcluster
lvcreate -n var-mqsi -L1G vgcluster
mkfs.xfs /dev/vgcluster/var-mqsi
mkfs.xfs /dev/vgcluster/var-mqm
mkfs.xfs /dev/vgcluster/opt-ibm
mkfs.xfs /dev/vgcluster/opt-mqm
```

Configure storage on cluster:

```
crm configure
primitive vgcluster LVM \
params volgrpname=vgcluster \
op monitor timeout=30 interval=10 \
op_params interval=10
primitive opt-ibm ocf:heartbeat:Filesystem \
params device="/dev/vgcluster/opt-ibm" directory="/opt/IBM" fstype="xfs" \
op monitor interval="20" timeout="40" \
op start timeout="60" op stop timeout="60"
primitive opt-mqm ocf:heartbeat:Filesystem \
params device="/dev/vgcluster/opt-mqm" directory="/opt/mqm" fstype="xfs" \
op monitor interval="20" timeout="40" \
op start timeout="60" op stop timeout="60"
primitive var-mqm ocf:heartbeat:Filesystem \
params device="/dev/vgcluster/var-mqm" directory="/ha/mqm" fstype="xfs" \
op monitor interval="20" timeout="40" \
op start timeout="60" op stop timeout="60"
primitive var-mqsi ocf:heartbeat:Filesystem \
params device="/dev/vgcluster/var-mqsi" directory="/ha/mqsi" fstype="xfs" \
op monitor interval="20" timeout="40" \
op start timeout="60" op stop timeout="60"
group cluster-app vip vgcluster opt-ibm opt-mqm var-mqm var-mqsi
commit
```

Considerations for zVM

- <https://www.ibm.com/downloads/cas/2Q3XBRPQ>
- https://www.ibm.com/support/knowledgecenter/en/SSB27U_6.4.0/com.ibm.zvm.v640.hcpb7/linkcmd.htm

From:

<https://www.estebanmonge.site/> - **Esteban Monge**

Permanent link:

https://www.estebanmonge.site/doku.php?id=suse_12_ha

Last update: **2019/10/01 15:32**

