

Asterisk DRBD - HA with Pacemaker - Setup

```
cat << EOL >/etc/drbd.d/varlibasterisk.res
resource varlibasterisk {
    meta-disk internal;
    disk /dev/sda7;
    device /dev/drbd7;
    on node1 {
        address 192.168.1.1:7790;
    }
    on node2 {
        address 192.168.1.2:7790;
    }
}
EOL
```

```
drbdadm create-md varlibasterisk
modprobe drbd
drbdadm up varlibasterisk
drbdadm primary --force varlibasterisk
watch cat /proc/drbd
```

```
mkfs.ext4 /dev/drbd7
mount /dev/drbd7 /mnt
df -h | grep drbd
```

```
umount /mnt
mount /dev/drbd7 /mnt
```

I-O Error Fix :

This happens every time I do initialization, but its an easy fix. The end goal is to be able to unmount and mount and unmount and mount the drbd without any errors. I have tested this over 50 times.

```
drbdadm up varlibasterisk
watch cat /proc/drbd
```

#Asterisk Config

#Both Nodes

```
systemctl disable asterisk.service
service asterisk stop
chkconfig asterisk off
```

#Node1

```
mount /dev/drbd7 /mnt
df -h | grep drbd
ls -la /var/lib/asterisk/*
mv /var/lib/asterisk/* /mnt
ls -la /mnt/*
umount /mnt
```

#Node2

```
rm /var/lib/asterisk/* -R
```

Cluster CFG

```
pcs cluster cib asterisk_clust_cfg
```

```
pcs -f asterisk_clust_cfg resource create varlibasterisk_drbd_res ocf:linbit:drbd drbd_resource=varlibasterisk  
op monitor interval=60s
```

```
pcs -f asterisk_clust_cfg resource master VARLIBASTERISKClone varlibasterisk_drbd_res master-max=1 master-node-  
max=1 clone-max=2 clone-node-max=1 notify=true
```

```
pcs -f asterisk_clust_cfg resource create varlibasterisk ocf:heartbeat:Filesystem device="/dev/drbd7"  
directory="/var/lib/asterisk" fstype="ext4"
```

```
pcs -f asterisk_clust_cfg resource create Asterisk lsb:asterisk params binary="asterisk" canary_binary="  
astercany" config="/etc/asterisk/asterisk.conf" user="asterisk" group="asterisk" additional_parameters="-g -  
vvv" op monitor timeout="30"
```

```
pcs -f asterisk_clust_cfg resource group add ASTERISK-Group varlibasterisk Asterisk  
pcs -f asterisk_clust_cfg constraint order promote VARLIBASTERISKClone then ASTERISK-Group  
pcs -f asterisk_clust_cfg constraint colocation add ASTERISK-Group with VARLIBASTERISKClone INFINITY with-rsc-  
role=Master  
pcs -f asterisk_clust_cfg constraint location ASTERISK-Group prefers nodel
```

```
pcs -f asterisk_clust_cfg constraint
```

```
pcs cluster cib-push asterisk_clust_cfg
```

```
pcs status
```