

Newsnation ZIMBRA MIGRATION

1. They have two servers with a DRBD cluster setup (OLD SETUP ZIMBRA OPENSOURCE)

192.168.1.2 node1.newsnation.in

192.168.1.3 node2.newsnation.in

I have stopped the DRBD services on node 2, then formatted node 2 and installed Rocky Linux 8

2. Install zimbra NE 10.1.16

Link -

[https://zimbra.github.io/documentation/zimbra-10/single-server-install.html#Installing Zimbra Collaboration Software](https://zimbra.github.io/documentation/zimbra-10/single-server-install.html#Installing_Zimbra_Collaboration_Software)

3. Create business COS and assign as default COS, then activate license

```
zmprov cc Business zimbraFeatureMAPIConnectorEnabled FALSE
zimbraFeatureMobileSyncEnabled FALSE zimbraArchiveEnabled FALSE
zimbraFeatureConversationsEnabled FALSE
zimbraFeatureTaggingEnabled FALSE zimbraAttachmentsIndexingEnabled
FALSE zimbraFeatureViewInHtmlEnabled FALSE
zimbraFeatureGroupCalendarEnabled FALSE zimbraFreebusyExchangeURL
FALSE zimbraFeatureSharingEnabled FALSE zimbraFeatureTasksEnabled
FALSE zimbraFeatureBriefcasesEnabled FALSE
zimbraFeatureSMIMEEnabled FALSE zimbraFeatureVoiceEnabled FALSE
zimbraFeatureManageZimlets FALSE zimbraFeatureCalendarEnabled
FALSE zimbraFeatureGalEnabled TRUE
```

Zmlicense -a <license key>

4. Create users via backend using zmprov ca user@exmaple.com passwd

5. Set the password to the same as on the old server using the command below

```
User list = /tmp/user_passwords2
```

```
Password list = /tmp/user_passwords3
```

```
while read i; do hash=$(zmprow -l ga "$i" userPassword | grep "^userPassword:" |  
sed 's/userPassword: //'); echo "ma $i userPassword '$hash'" >>  
/tmp/user_passwords3; done < /tmp/user_passwords2
```

6. Migrate data via IMAPSYNC

```
for i in `cat /root/imap/user1`  
do  
imapsync --syncinternaldates --subscribe --nosyncaccls --host1 192.168.1.2 --user1 $i  
--authuser1 tetra_test@newsnation.in --password1 supp0rt@123 --host2  
192.168.1.3 --user2 $i --authuser2 admin@newsnation.in --password2 supp0rt@123  
-authmech1 PLAIN -authmech2 PLAIN --tmpdir /user-cache/ --addheader  
done
```

7. Live node2 and then format Node 1 (Install Rocky Linux 8)

8. Configure zimbra packages via ([./install.sh](#) -s)

9. Move zimbra dir via mv /opt/zimbra /zimbra-old/zimbra

10. Install DRBD and sync both server disk

DRBD configuration below

live - node2.newsnation.in - DRBD configured -- need to change node4 to node1 and
confugure drbd in node1

```
[root@node2 ~]# lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
sda	8:0	0	465.7G	0	disk	
└─sda1	8:1	0	2G	0	part	/boot
└─sda2	8:2	0	463.7G	0	part	
└─rl-root	253:0	0	455.7G	0	lvm	/
└─rl-swap	253:1	0	8G	0	lvm	[SWAP]
sdb	8:16	0	4.6T	0	disk	

```

├─sdb1          8:17 0   1M 0 part
├─sdb2          8:18 0   2G 0 part
└─sdb3          8:19 0  4.6T 0 part
    └─vg_node2-lv_drbd 253:2 0  4.6T 0 lvm
        └─drbd0      147:0 0  4.6T 0 disk /opt
sdd            8:48 0  1.8T 0 disk
└─sdd1         8:49 0  1.8T 0 part
[root@node2 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        7.7G   0 7.7G   0% /dev
tmpfs           7.7G   0 7.7G   0% /dev/shm
tmpfs           7.7G 750M 7.0G  10% /run
tmpfs           7.7G   0 7.7G   0% /sys/fs/cgroup
/dev/mapper/rl-root 456G 8.7G 447G   2% /
/dev/sda1       2.0G 223M 1.8G  11% /boot
tmpfs           1.6G   0 1.6G   0% /run/user/0
/dev/drbd0      4.6T 2.6T 1.8T  60% /opt
/dev/sdc1       1.8T 1.4T 355G  80% /backup
tmpfs           1.6G   0 1.6G   0% /run/user/992
[root@node2 ~]#

```

```

[root@node2 ~]# cat /etc/drbd.d/main.res
resource main {

protocol C;

startup { wfc-timeout 0; degr-wfc-timeout 120; }

disk { on-io-error detach; }

on node2.newsnation.in {

device /dev/drbd0;

disk /dev/vg_node2/lv_drbd;

meta-disk internal;

address 10.0.0.4:7788;

}

on node4.newsnation.in {

device /dev/drbd0;

disk /dev/vg_node1/lv_drbd;

```

meta-disk internal;

address 10.0.0.10:7788;

}

[root@node2 ~]#

secondary - node1.newsnation .in

[root@node1 ~]# parted /dev/sdb --script mklabel gpt

[root@node1 ~]# parted /dev/sdb --script mkpart primary 0% 100%

[root@node1 ~]# lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
------	---------	----	------	----	------	------------

sda	8:0	0	465.7G	0	disk	
-----	-----	---	--------	---	------	--

└─sda1	8:1	0	2G	0	part	/boot
--------	-----	---	----	---	------	-------

└─sda2	8:2	0	463.7G	0	part	
--------	-----	---	--------	---	------	--

└─rl-root	253:0	0	455.7G	0	lvm	/
-----------	-------	---	--------	---	-----	---

└─rl-swap	253:1	0	8G	0	lvm	[SWAP]
-----------	-------	---	----	---	-----	--------

sdb	8:16	0	4.6T	0	disk	
-----	------	---	------	---	------	--

└─sdb1	8:17	0	4.6T	0	part	
--------	------	---	------	---	------	--

[root@node1 ~]#

[root@node1 ~]# parted /dev/sdb --script mklabel gpt

[root@node1 ~]# parted /dev/sdb --script mkpart primary 0% 100%

[root@node1 ~]# lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
------	---------	----	------	----	------	------------

sda	8:0	0	465.7G	0	disk	
-----	-----	---	--------	---	------	--

└─sda1	8:1	0	2G	0	part	/boot
--------	-----	---	----	---	------	-------

└─sda2	8:2	0	463.7G	0	part	
--------	-----	---	--------	---	------	--

└─rl-root	253:0	0	455.7G	0	lvm	/
-----------	-------	---	--------	---	-----	---

└─rl-swap	253:1	0	8G	0	lvm	[SWAP]
-----------	-------	---	----	---	-----	--------

sdb	8:16	0	4.6T	0	disk	
-----	------	---	------	---	------	--

└─sdb1	8:17	0	4.6T	0	part	
--------	------	---	------	---	------	--

[root@node1 ~]# pvcreate /dev/sdb1

Physical volume "/dev/sdb1" successfully created.

[root@node1 ~]#

[root@node1 ~]# vgcreate vg_node1 /dev/sdb1

```

Volume group "vg_node1" successfully created
[root@node1 ~]# lvcreate -n lv_drbd -l 100%FREE vg_node1
WARNING: xfs signature detected on /dev/vg_node1/lv_drbd at offset 0. Wipe it? [y/n]: y
Wiping xfs signature on /dev/vg_node1/lv_drbd.
Logical volume "lv_drbd" created.
[root@node1 ~]# lvs
LV VG Attr LSize Pool Origin Data% Meta% Move Log Cpy%Sync Convert
root rl -wi-ao---- <455.73g
swap rl -wi-ao---- 8.00g
lv_drbd vg_node1 -wi-a----- <4.55t
[root@node1 ~]# vgs
VG #PV #LV #SN Attr VSize VFree
rl 1 2 0 wz--n- <463.73g 0
vg_node1 1 1 0 wz--n- <4.55t 0
[root@node1 ~]# pvs
PV VG Fmt Attr PSize PFree
/dev/sda2 rl lvm2 a-- <463.73g 0
/dev/sdb1 vg_node1 lvm2 a-- <4.55t 0
[root@node1 ~]#

```

we cannot make anything in node2 because it is live server as of now

```

[root@node2 ~]# drbdadm status
main role:Primary
disk:UpToDate open:yes
node4.newsnation.in connection:Connecting

```

```

[root@node2 ~]# cat /proc/drbd
version: 9.3.1 (api:2/proto:118-124)
GIT-hash: 9eba01aed618878de06ea17f17deddf96ac54d42 build by mockbuild@,
2026-03-14 14:11:47
Transports (api:21): tcp (9.3.1)
[root@node2 ~]#

```

1. Update config on node2

Edit:

vi /etc/drbd.d/main.res

Replace this block:

```
on node4.newsnation.in {device /dev/drbd0;disk /dev/vg_node1/lv_drbd;meta-disk
internal;address 10.0.0.10:7788;}
```

with:

```
on node1.newsnation.in {device /dev/drbd0;disk /dev/vg_node1/lv_drbd;meta-disk
internal;address <NODE1-IP>:7788;}
```

Use actual node1 replication IP.

DO NOT change anything else.

2. Copy same config to node1

On node1:

```
vi /etc/drbd.d/main.res
```

Paste identical content.

3. Verify hostname resolution

On BOTH nodes:

```
ping node1.newsnation.in ping node2.newsnation.in
```

4. Create metadata ONLY on node1

IMPORTANT:

ONLY on node1:

```
drbdadm create-md main
```

Do NOT run this on node2.

5. Bring DRBD up on node1

On node1:

```
drbdadm up main
```

Check:

```
drbdadm status
```

Likely shows waiting for connection.

6. Reload config safely on node2

THIS is the important production-safe command.

On node2:

```
drbdadm adjust main
```

This reloads configuration dynamically without stopping DRBD.

No unmount required.

7. Connect if needed

Usually automatic.

If not:

```
drbdadm connect main
```

8. Verify replication started

On node2:

```
drbdadm status
```

Expected:

```
main role:Primary disk:UpToDate node1.newsnation.in role:Secondary
```

```
replication:SyncSource
```

On node1:

```
role:Secondary replication:SyncTarget
```

9. Monitor sync

```
watch cat /proc/drbd
```

or:

```
watch drbdadm status
```

IMPORTANT
DO NOT:

run mkfs

mount /dev/drbd0 on node1

run create-md on node2

run drbdadm down main on node2

Recommended check before adjust
After editing config on BOTH nodes, run:
drbdadm dump all
If no syntax errors → proceed.

Expected final healthy state
On node2:
role:Primarydisk:UpToDatepeer-disk:UpToDate
On node1:
role:Secondarydisk:UpToDatepeer-disk:UpToDate

Zurt Installation

https://wiki.zimbra.com/images/f/f2/ZURT_GUIDE_-_1.0.7.pdf