

## ORA-15274: Not enough failgroups (5) to create voting files (Doc ID 2452972.1)

---

### APPLIES TO:

---

Oracle Exadata Storage Server Software - Version 12.1.1.1.0 to 18.1.8.0.0 [Release 12.1 to 12.2]  
Information in this document applies to any platform.

### SYMPTOMS

---

Quarter Rack with three storage cells in exadata.

5 voting disks with quorum disks configured.

Recreating or replacing voting disk to another diskgroup fails with CLSU-00104.

\$ crsctl replace votedisk +RECOX4Q1

```
CRS-4648: Failed to create voting files on disk group RECOX4Q1.  
CLSU-00100: operating system function: kgfnStmtExecute failed with error data: 0  
CLSU-00101: operating system error message: Error 0  
CLSU-00103: error location: kgfdvfcR20  
CLSU-00104: additional error information: ORA-15274: Not enough failgroups (5) to create voting  
files  
CLSU-00104: additional error information: ORA-06512: at line 4  
CLSU-00104: additional error information: ORA-06512: at "SYS.X$DBMS_DISKGROUP", line 804  
CLSU-00104: additional error information: ORA-06512: at line 2  
CRS-4628: Change to configuration failed, but was successfully rolled back.  
CRS-4000: Command Replace failed, or completed with errors.
```

### CHANGES

---

Lost more than half of voting disk configured.

Voting disk available after starting CRS in exclusive mode (crsctl start crs -excl).

crsctl query css votedisk

```
## STATE File Universal Id File Name Disk group  
--  
1. ONLINE de7c4b0077594f76bf9cbd61f7d12675  
(o/192.168.*.*;192.168.*./DATAX4Q1_CD_02_EX#####CEL03) [DATAX4Q1]  
2. OFFLINE 17238dae7eb44fc2bf3b8f2fad35e008 (/dev/exadata_quorum/QD_DATAX4Q1_EX#####DB02)  
[DATAX4Q1]  
3. ONLINE 200c88dac7f24f16bf0fc13b792f832f  
(o/192.168.*.*;192.168.*./DATAX4Q1_CD_03_EX#####CEL02) [DATAX4Q1]  
4. OFFLINE 019alca401214fe4bf39fd4070c293c2  
(o/192.168.*.*;192.168.*./DATAX4Q1_CD_02_EX#####CEL01) [DATAX4Q1]  
5. OFFLINE 7e8f1da65a7f4f34bfbb8318771a464b (/dev/exadata_quorum/QD_DATAX4Q1_EX#####DB01)  
[DATAX4Q1]
```

Trying to replace voting disks to another diskgroup with high redundancy fails CLSU-00104

\$ crsctl replace votedisk +RECOX4Q1

### CAUSE

---

The target diskgroup that you are trying to move voting disks to, is high redundancy.

Creating voting disk in high redundancy diskgroup requires 5 failure groups.

Quarter RACK exadata has only 3 cells (failure groups).

You cannot create/replace voting disk to high redundancy diskgroup if it doesn't have quorum configured for the diskgroup.

## SOLUTION

---

One of the following option would help to resolve the situation.

1. Move the voting disks into diskgroup with normal redundancy.

```
$ asmcmd lsdg
# crsctl replace votedisk <Disk group name>
```

2. Create the Exadata quorum disks for the target diskgroup.

Refer: [Managing Quorum Disks for High Redundancy Disk Groups](#)

3. Change the redundancy of diskgroup to Normal as 3 cells are not enough for HIGH redundancy VOTING disk group.

Note that, this would require recreation of the diskgroup.

Didn't find what you are looking for?