

## MONITOR DISKGROUP AND RAISE THE SPACE REQUEST IF CROSSED THRESHOLD

**Step1:** First step is to check the asm disk space

```
>> Go to grid user
$ su - grid
>>Go to asmcmd
[grid@povsltflipslmsdb1 ~]$ asmcmd
ASMCMD> lsdg
```

State	Type	Rebal	Sector	Logical_Sector	Block	AU	Total MB	Free MB	Req_mir_free_MB	Usable_file_MB	Offline_disks	Voting_files	Name
MOUNTED	EXTERN	N	512	512	4096	4194304	409592	397684	0	397684	0	N	ARCHCL/
MOUNTED	EXTERN	N	512	512	4096	4194304	409592	244444	0	244444	0	N	ARCHER/
MOUNTED	EXTERN	N	512	512	4096	4194304	2252756	1663900	0	1663900	0	N	ARCHLMS/
MOUNTED	EXTERN	N	512	512	4096	4194304	2252756	1463820	0	1463820	0	N	ARCHMF/
MOUNTED	EXTERN	N	512	512	4096	4194304	51196	47892	0	47892	0	N	CLREDO1/
MOUNTED	EXTERN	N	512	512	4096	4194304	51196	47892	0	47892	0	N	CLREDO2/
MOUNTED	EXTERN	N	512	512	4096	4194304	819184	301372	0	301372	0	N	DATACL/
MOUNTED	EXTERN	N	512	512	4096	4194304	1638368	281800	0	281800	0	N	DATAFR/
MOUNTED	EXTERN	N	512	512	4096	4194304	8396636	824936	0	824936	0	N	DATALMS/
MOUNTED	EXTERN	N	512	512	4096	4194304	10649392	1088644	0	1088644	0	N	DATAMF/
MOUNTED	EXTERN	N	512	512	4096	4194304	102396	102208	0	102208	0	N	DATA_OCR/

**Step2:** Now check if the disk space is above the threshold limit (which is 90%) we have to raise the request and send the mail to DC Team and ask the approval from @rajaram and @ricky sir.

**Mail Subject:** Raw Disk add request (10.3.27.159) || ONELMS

**Description:**

Hi Team,

Please provide the approval for adding raw disk on ONELMS db.

[+Ricky Andrews](#) [+Rajaram Bagkar](#) please approve

server ip	DBname	Disk	Space GB
10.3.27.159	ONELMS	DATALMS	200*2

**Step3:** After approval raise the ticket and forward it to DC Team for further process.

**Now the automated scheduler for diskgroup space check**

**Step1:** create .sql file

**Filename:** asm.sql

```
SET MARKUP HTML ON ENTMAP OFF
```

```
set lines 456
```

```
set linesize 750 pages 999
```

```
set define off;
```

```
spool /tmp/asm.html
```

```
PROMPT <!DOCTYPE html> <html> <head> <style> table {font-family: arial, sans-serif;border-collapse: collapse;width: 80%;}td, th {border: 1px solid;text-align: left;padding: 8px;}</style> </head> <body>
```

```
PROMPT <h2 style="color:red;">ASM Diskgroup Details</h2>
```

```

SELECT name, total_mb/1024 as "TOTAL_SIZE(GB)", free_mb/1024 as "FREE_SIZE(GB)",
(total_mb-free_mb)/1024 as "USED_SIZE(GB)", round(((total_mb-free_mb)/total_mb)*100) as USED_PCT
FROM v$asm_diskgroup where round(((total_mb-free_mb)/total_mb)*100) > 90;
PROMPT <br>
SET MARKUP HTML OFF
PROMPT </body> </html>
spool off;

```

**Step2:** create .sh file

**create mail.env file**

```
$ vi mail.env
```

```
TO="ltfs-oraclesupport@ltfs.com"
```

**Filename: asm\_status.sh**

```

#!/bin/sh
. ~/sldba/mail.env
REPORT=/tmp/asm.html
export ORACLE_HOME=/oracle19c/app/product/19.0.0/dbhome1
export ORACLE_SID=ONELMSDR
echo exit | $ORACLE_HOME/bin/sqlplus -S / as sysdba @/home/oracle/sldba/asm.sql

if grep "no rows selected" $REPORT > /dev/null 2>&1
then

echo "Diskgroup ok"

elif grep "ORA" $REPORT
then

echo "DB is not OK"

else

echo "<b>Hello Team</b>`cat /tmp/asm.html`" | mailx -s "$$(echo -e "Warning : NDR ASM DISKGROUP
REACHED 90% `hostname -i` \nContent-Type: text/html")" $TO

fi

rm $REPORT

```

**Step3:** Now schedule the “asm\_status.sh” on the crontab

>> now on OS level type

```
$ crontab -e
```

```
$ crontab -l
```

```
*/15 * * * * sh /home/oracle/sldba/asm_status.sh
```

**It will automatically send the alert if diskgroup is critical and after that follow the same process as mentioned in above steps for mail request.**

