**RAC巡检报告**

1. **日期检查**

服务器启动时间:uptime





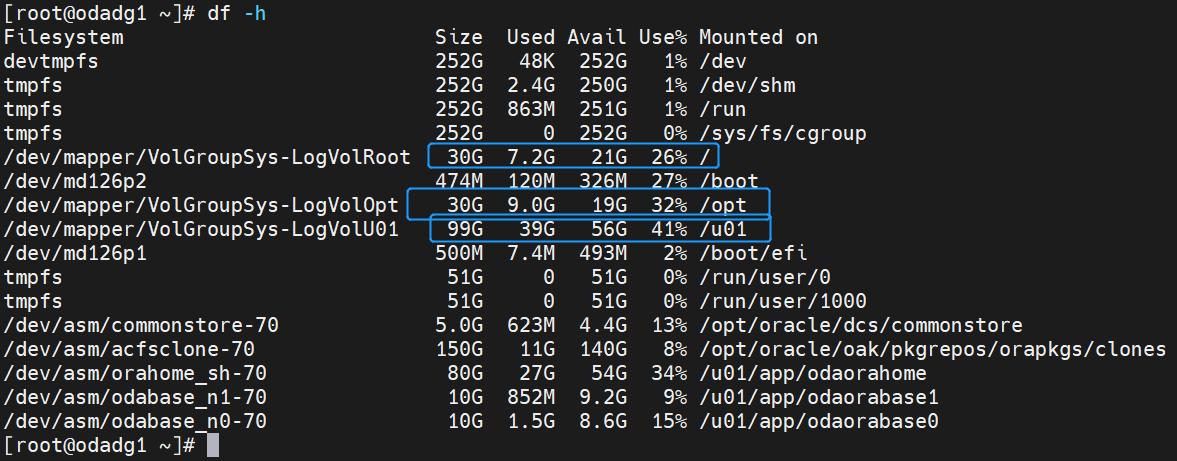
当前时间检查：date





1. **空间检查**

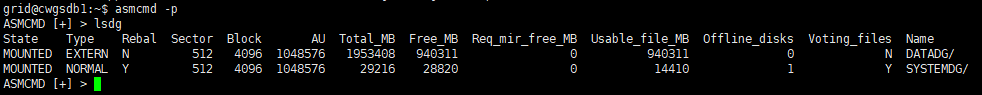
操作系统命令如下 df -h 重点关注 / /u01 /opt目录的空间使用率在80%以下,如果达到80%则及时清理



使用grid用户查看存储空间：

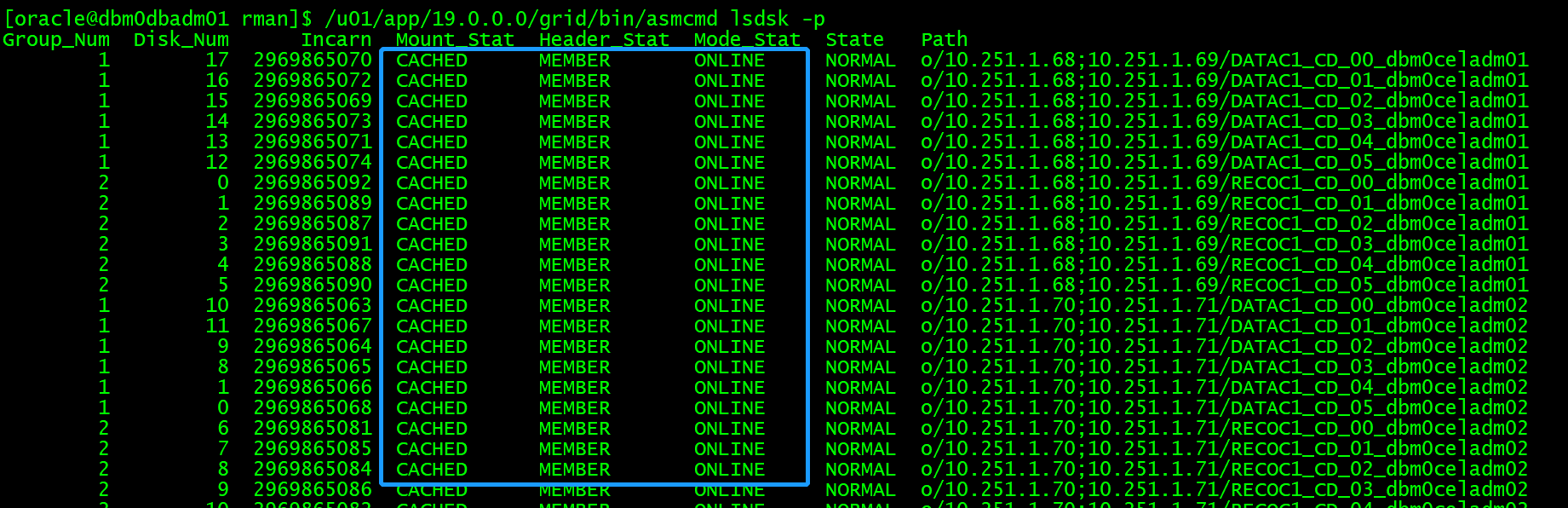
asmcmd -p

lsdg



磁盘组空间利用率命令行检查

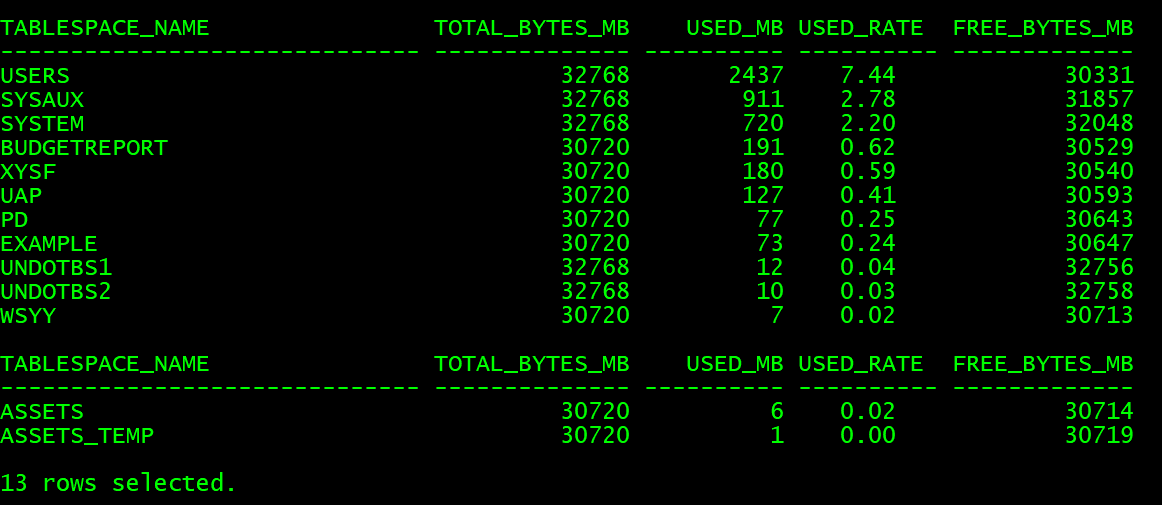
Free\_mb 比较富裕，usable\_file\_mb 基本是 free\_mb的一半，因为是 nomarl冗余，offline disk要为0，详细见磁盘组利用率 rate%



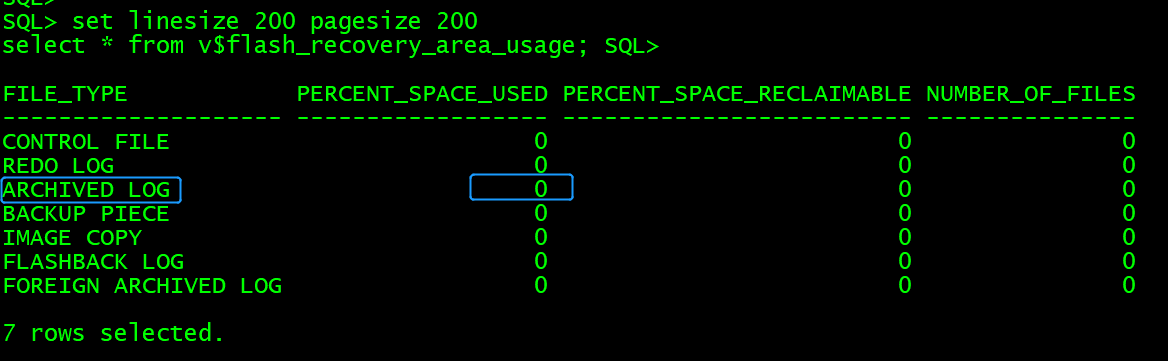
表空间查看：

|  |
| --- |
| sqlplus / as sysdba  set linesize 100  col "TABLESPACE\_NAME" for a30  col "USED\_RATE" for a10  SELECT UPPER(T.TABLESPACE\_NAME) TABLESPACE\_NAME,T.TOTAL\_BYTES\_MB,  T.BYTES\_MB - NVL(F.FREE\_BYTES\_MB, 0) USED\_MB,  TO\_CHAR(ROUND( (T.BYTES\_MB - NVL(F.FREE\_BYTES\_MB, 0) ) / T.TOTAL\_BYTES\_MB \* 100, 2),'990.99') USED\_RATE,  (T.TOTAL\_BYTES\_MB - (T.BYTES\_MB - NVL(F.FREE\_BYTES\_MB, 0) ) ) FREE\_BYTES\_MB  FROM ( select tablespace\_name,ROUND(SUM(BYTES) / 1024 / 1024) BYTES\_MB,  ROUND(sum(decode(AUTOEXTENSIBLE, 'YES', MAXBYTES, 'NO', BYTES)) / 1024 / 1024) TOTAL\_BYTES\_MB  FROM SYS.DBA\_DATA\_FILES GROUP BY TABLESPACE\_NAME ) T ,  ( SELECT TABLESPACE\_NAME, ROUND(SUM(BYTES) / 1024 / 1024) FREE\_BYTES\_MB  FROM SYS.DBA\_FREE\_SPACE GROUP BY TABLESPACE\_NAME ) F  WHERE T.TABLESPACE\_NAME = F.TABLESPACE\_NAME(+)  ORDER BY 4 DESC;  sqlplus / as sysdba  set linesize 200 pagesize 200  select \* from v$flash\_recovery\_area\_usage; |

表空间使用率如果达到80%或者90%以上要扩展表空间



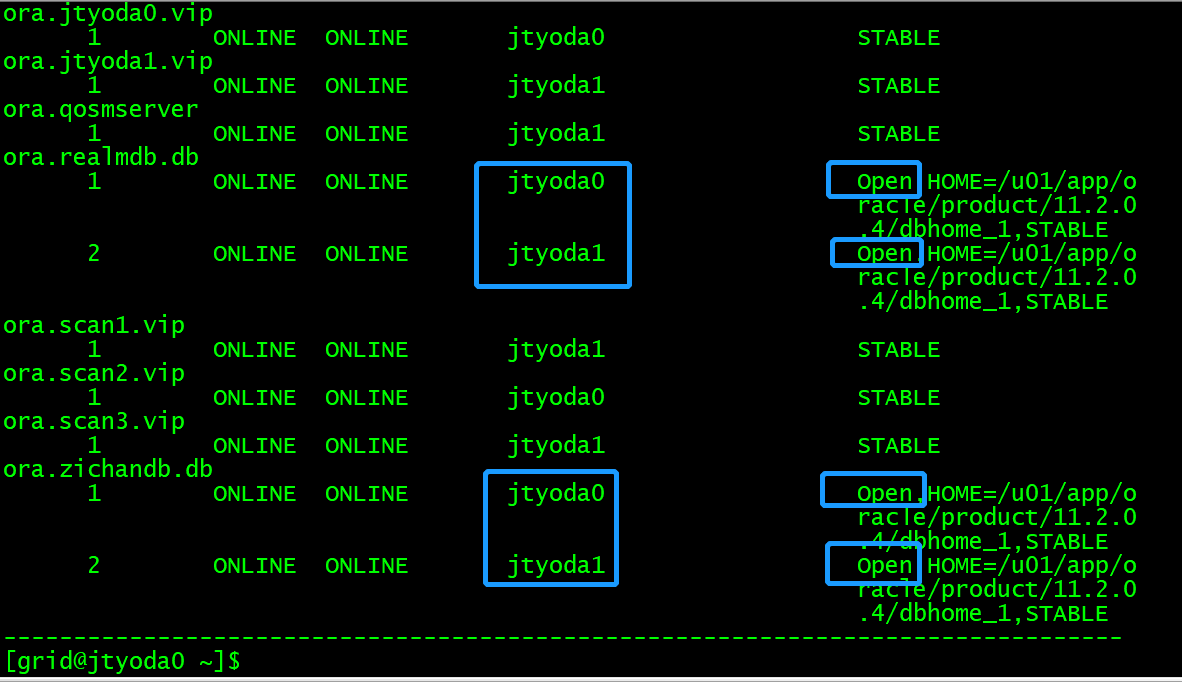
闪回区利用率要低于50%，否则要及时清理归档。



**三、集群及数据库状态检查**

命令 su - grid

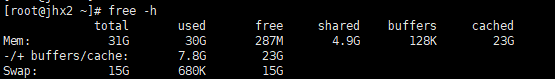
crsctl stat res -t



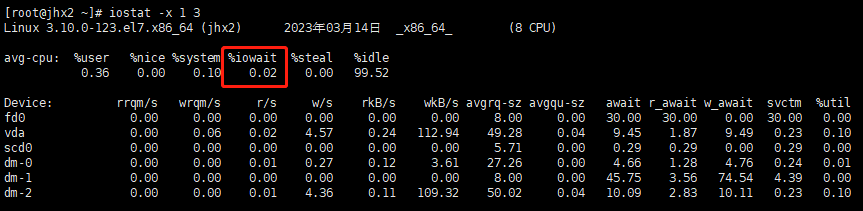
**四、资源检查**

检查cpu：top

检查内存：free -h



检查IO：iostat -x 1 3



如果%iowait的值过高，表示硬盘存在I/O瓶颈

iops计算方式： r/s+w/s

I/O per second，即每秒钟可以处理的I/O个数。

**五、日志检查**

cd /u01/app/oracle/diag/rdbms/cams/cams1/trace/

tail -f alert\_cams1.log

1. **检查锁**

SELECT p.spid, a.serial#, c.object\_name, b.session\_id, b.oracle\_username,

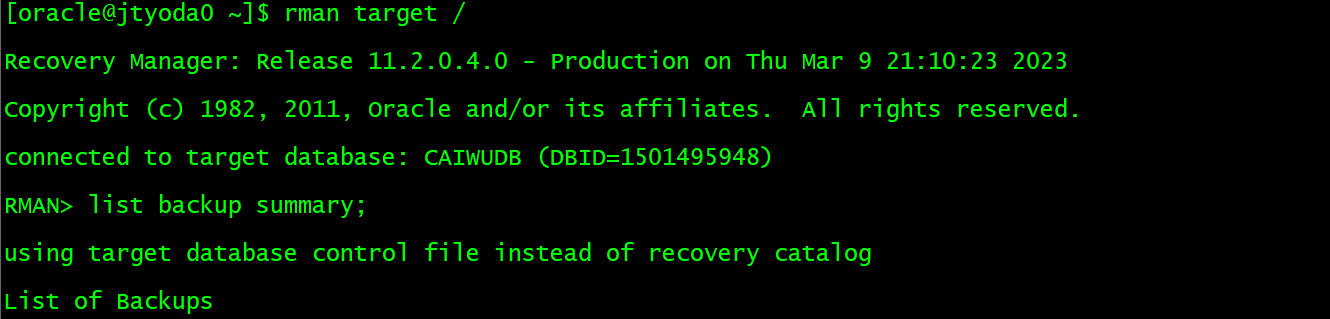
b.os\_user\_name

FROM gv$process p, gv$session a, gv$locked\_object b, all\_objects c

WHERE p.addr = a.paddr AND a.process = b.process AND c.object\_id = b.object\_id ;

**七、RMAN备份状态检查**

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| --- |
| **su - oracle**  **rman target /**  **list backup summary;** |



备份集显示时间和备份标签的日期搓。

