**Exadata一体机及数据库巡检报告**

**一、一体机计算节点硬件状态检查**

**计算节点硬件检查 ipmitool sunoem cli 'show /System/Open\_Problems'**

结果没有任何问题表示正常

 **计算节点磁盘检查 dbmcli -e list physicaldisk**

结果磁盘为normal为正常



**二、存储节点硬件巡检**

存储节点硬件检查 ipmitool sunoem cli 'show /System/Open\_Problems'

结果没有任何问题表示正常



存储节点磁盘检查 cellcli -e list physicaldisk

结果磁盘为normal为正常



存储节点lun检查 cellcli -e LIST LUN



存储节点 celldisk检查 cellcli -e list celldisk



存储节点 grid disk检查 cellcli -e list griddisk

结果磁盘为normal为正常



**三、操作系统目录空间建检查**

**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**



**四、磁盘组空间利用率命令行检查**

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| --- |
| su - gridasmcmd lsdgvi asm.shsqlplus -S /nolog <<EOFconnect / as sysdba;set linesize 200 pagesize 200col path for a30col name for a20col rate for a20select group\_number,name,state,type,total\_mb,total\_mb-free\_mb used\_mb,free\_mb,round((total\_mb-free\_mb)/total\_mb\*100,2)||'%' rate from v\$asm\_diskgroup order by total\_mb desc ;exit;EOFsh asm.sh  |

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%





**五、集群及数据库状态检查**

**命令 su - grid**

**crsctl stat res -t**



**六、表空间利用率和闪回区利用率检查**

|  |
| --- |
| vi tb.shsqlplus -S /nolog <<EOF connect / as sysdba;set linesize 100col "TABLESPACE\_NAME" for a30col "USED\_RATE" for a10SELECT 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;exit;EOFsqlplus / as sysdbaset linesize 200 pagesize 200select \* 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。



**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。

