**AutoDBCheck系统数据库巡检**

**巡检信息:**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 巡检人 | 巡检时间 | 巡检版本 |
| 1 | 陈举超 | Mon May 30 10:38:15 CST 2022 | V1.0 |

**IP信息：**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 序号 | 节点1\_IP | 节点2\_IP | SCAN IP | 数据库架构 |
| 1 | 10.0.0.11 | 10.0.0.13 | 10.0.0.15 | Oracle RAC |

**数据库巡检内容:**

|  |  |  |
| --- | --- | --- |
| 序号 | 巡检项 | 巡检明细 |
| 1 | 数据库信息 | 操作系统版本、IP信息、VIP信息、架构信息、数据库创建时间、数据库启动时间、数据库版本信息、数据库补丁信息、字符集、实例状态、实例名、DBID、端口号 |
| 2 | 数据库文件信息 | 表空间信息、数据文件信息、临时文件信息、UNDO文件信息、回滚段信息、REDO LOG文件信息、ARCHIVELOG信息、控制文件信息 |
| 3 | 数据库高可用信息 | VCS进程信息、VCS配置信息、VCS资源信息、VCS冻结信息、ASM磁盘组信息、ASM磁盘信息、OCR信息、OLR信息、VOTEDISK信息、CRS信息、监听信息 |
| 4 | 数据库对象信息 | 表信息、分区表信息、视图、触发器、存储过程、索引、失效对象、异常对象、JOBS、SCHEDULER\_JOBS、数据库大小、用户数据大小 |
| 5 | 数据库备份信息 | 全备信息、增量备份信息、归档备份信息、异地备份文件信息 |
| 6 | 数据库性能信息 | 用户角色、用户密码策略、用户统计信息、等待事件、TOP SQL |
| 7 | 数据库参数信息 | 根据参数基线匹配当前参数设置是否正确 |
| 8 | 数据库系统信息 | 磁盘目录信息、NFS信息 |
| 9 | 数据库日志信息 | 数据库告警日志、集群告警日志、ASM日志、操作系统日志 |
| 10 | 数据库巡检结果 | 数据库巡检结果 |

# **数据库巡检明细如下:**

# **一：数据库基础信息**

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| --- | --- |
| 数据库基础信息 | 内容 |
| 操作系统版本 | Red Hat Enterprise Linux Server release 7.5 (Maipo) |
| 巡检开始时间 | Mon May 30 10:38:15 CST 2022 |
| 数据库版本 | 11.2.0.4.0 |
| 数据库补丁信息 | There are no Interim patches installed in this Oracle Home. |
| 数据库创建时间 | 2022-05-28 18:21:32 |
| 数据库启动时间 | 2022-05-30 09:22:20 |
| 实例状态 | OPEN |
| 字符集 | AL32UTF8 |
| 实例名 | cjc |
| DBID | 3748048108 |
| 端口号 | 1521 |

# **二：数据库文件信息**

|  |  |  |  |
| --- | --- | --- | --- |
| 表空间名称 | 状态 | 大小(MB) | 表空间使用率% |
| SYSAUX UNDOTBS1 CJCTBS USERS SYSTEM | ONLINE ONLINE ONLINE ONLINE ONLINE | 1024 200 10 5 1024 | 53 54 60 80 28 |

|  |  |  |  |
| --- | --- | --- | --- |
| 数据库文件大小 | 最大可扩展 | 数据文件状态 | 数据文件路径 |
| 1024 1024 200 5 10 | 0 0 0 32767.98 0 | AVAILABLE AVAILABLE AVAILABLE AVAILABLE AVAILABLE | /oradata/cjc/system01.dbf /oradata/cjc/sysaux01.dbf /oradata/cjc/undotbs01.dbf /oradata/cjc/users01.dbf /oradata/cjc/cjctbs01.dbf |

|  |  |
| --- | --- |
| 数据库文件信息 | 内容 |
| 回滚段名称 | SYSTEM \_SYSSMU10\_1197730989$ \_SYSSMU9\_2650507775$ \_SYSSMU8\_317538920$ \_SYSSMU7\_1070203016$ \_SYSSMU6\_5263032392$ \_SYSSMU5\_698567397$ \_SYSSMU4\_7254879796$ \_SYSSMU3\_2723003836$ \_SYSSMU2\_5996391332$ \_SYSSMU1\_=0724004606$ |
| 临时文件 | /oradata/cjc/temp01.dbf |
| 控制文件 | /oradata/cjc/control01.ctl /oracle/app/oracle/fast\_recovery\_area/cjc/control02.ctl |
| redo名称 | /oradata/cjc/redo01.log /oradata/cjc/redo02.log /oradata/cjc/redo03.log |
| redo信息 | GROUP# MEMBERS SIZE\_MB ---------- ---------- ---------- 1 1 50 2 1 50 3 1 50 |
| 日志切换 | 1 5 |

# **三：数据库高可用信息**

|  |  |
| --- | --- |
| 数据库高可用信息 | 内容 |
| ASM磁盘组使用率 | SYS 18432 17392 NORMAL DATA 204800 167324 EXTERN |
| ASM磁盘状态 | NORMAL 6144 5800 /dev/rac/vote3 NORMAL 6144 5796 /dev/rac/vote1 NORMAL 6144 5796 /dev/rac/vote2 NORMAL 20480 16756 /dev/rac/disk7 NORMAL 30720 25112 /dev/rac/disk2 NORMAL 30720 25116 /dev/rac/disk4 NORMAL 30720 25092 /dev/rac/disk5 NORMAL 30720 25080 /dev/rac/disk1 NORMAL 30720 25068 /dev/rac/disk6 NORMAL 30720 25100 /dev/rac/disk3 |
| OCR配置信息 | Oracle Cluster Registry configuration is : Device/File Name : +SYS Device/File Name : +DATA |
| OCR状态 | Status of Oracle Cluster Registry is as follows : Version : 3 Total space (kbytes) : 262120 Used space (kbytes) : 2940 Available space (kbytes) : 259180 ID : 981119266 Device/File Name : +SYS Device/File integrity check succeeded Device/File Name : +DATA Device/File integrity check succeeded Device/File not configured Device/File not configured Device/File not configured Cluster registry integrity check succeeded Logical corruption check bypassed due to non-privileged user |
| OCR备份 | chenjc-db-02 2022/05/23 19:48:20 /home/db/grid/product/11.2.0/chenj/cjc-cluster/backup00.ocr chenjc-db-02 2022/05/23 15:48:19 /home/db/grid/product/11.2.0/chenj/cjc-cluster/backup01.ocr chenjc-db-02 2022/05/23 11:48:19 /home/db/grid/product/11.2.0/chenj/cjc-cluster/backup02.ocr chenjc-db-02 2022/05/22 07:48:15 /home/db/grid/product/11.2.0/chenj/cjc-cluster/day.ocr chenjc-db-02 2022/05/16 07:47:59 /home/db/grid/product/11.2.0/chenj/cjc-cluster/week.ocr PROT-25: Manual backups for the Oracle Cluster Registry are not available |
| VOTEDISK信息 | ## STATE File Universal Id File Name Disk group -- ----- ----------------- --------- --------- 1. ONLINE 031a02d3b12a4f8abf3d8c3ce4bd8682 (/oradata/vote3) [SYS] 2. ONLINE 6cbc6d387b2c2230bf2a6569d578618d (/oradata/vote2) [SYS] 3. ONLINE 35ea26922c5c4026bf96223d19cacc99 (/oradata/vote1) [SYS] Located 3 voting disk(s). |
| 集群信息 | \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* chenjc-db-01: CRS-4537: Cluster Ready Services is online CRS-4529: Cluster Synchronization Services is online CRS-4533: Event Manager is online \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* chenjc-db-02: CRS-4537: Cluster Ready Services is online CRS-4529: Cluster Synchronization Services is online CRS-4533: Event Manager is online \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| 资源信息 | -------------------------------------------------------------------------------- NAME TARGET STATE SERVER STATE\_DETAILS  -------------------------------------------------------------------------------- Local Resources -------------------------------------------------------------------------------- ora.DATA.dg ONLINE ONLINE chenjc-db-01  ONLINE ONLINE chenjc-db-02  ora.LISTENER.lsnr ONLINE ONLINE chenjc-db-01  ONLINE ONLINE chenjc-db-02  ora.SYS.dg ONLINE ONLINE chenjc-db-01  ONLINE ONLINE chenjc-db-02  ora.asm ONLINE ONLINE chenjc-db-01 Started  ONLINE ONLINE chenjc-db-02 Started  ora.gsd OFFLINE OFFLINE chenjc-db-01  OFFLINE OFFLINE chenjc-db-02  ora.net1.network ONLINE ONLINE chenjc-db-01  ONLINE ONLINE chenjc-db-02  ora.ons ONLINE ONLINE chenjc-db-01  ONLINE ONLINE chenjc-db-02  -------------------------------------------------------------------------------- Cluster Resources -------------------------------------------------------------------------------- ora.LISTENER\_SCAN1.lsnr 1 ONLINE ONLINE chenjc-db-02  ora.cvu 1 ONLINE ONLINE chenjc-db-02  ora.chenjc-db-01.vip 1 ONLINE ONLINE chenjc-db-01  ora.chenjc-db-02.vip 1 ONLINE ONLINE chenjc-db-02  ora.ebeva.db 1 ONLINE ONLINE chenjc-db-01 Open  2 ONLINE ONLINE chenjc-db-02 Open  ora.oc4j 1 OFFLINE OFFLINE  ora.scan1.vip 1 ONLINE ONLINE chenjc-db-02 |
| sacn信息 | SCAN VIP scan1 is enabled SCAN VIP scan1 is running on node chenjc-db-02 |
| 监听信息 | Listener LISTENER is enabled Listener LISTENER is running on node(s): chenjc-db-01,chenjc-db-02 |

# **四：数据库对象信息**

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| --- | --- |
| 数据库对象信息 | 内容 |
| 异常对象 |  |
| 拥有DBA角色的用户 | CJC CHEN |
| 密码策略 | FAILED\_LOGIN\_ATTEMPTS UNLIMITED PASSWORD\_LIFE\_TIME UNLIMITED |
| 数据库总大小(MB) | 1369.68 |
| 用户总大小(MB) | CJC 3.87 CHEN 45.25 |
| 用户名 | CHEN CJC |
| 用户创建时间 | 2022-06-05 2022-06-03 |
| 用户默认表空间 | CHENTBS CJCTBS |
| 用户状态 | OPEN OPEN |
| 用户对象数量 | CHEN DATABASE LINK 1 CHEN INDEX 1 CJC JOB 1 CJC PROCEDURE 1 PUBLIC SYNONYM 33995 CHEN TABLE 3 CJC TABLE 3 CHEN TABLE PARTITION 22 CJC TABLE PARTITION 13 CHEN VIEW 2 |
| 失效对象 | CHEN VIEW 1 |
| 分区表 | CHEN LIST\_PART\_TAB LIST CHEN HASH\_PART\_TAB HASH CJC RANGE\_PART\_TAB RANGE |
| job信息 | CJC |
| dblinks | CHEN CJC\_LINK |

# **五：数据库备份信息**

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| 数据库备份信息 | 内容 |
| 全备信息 | 327.65M 20220523 00:45:06 20220523 00:45:36 COMPLETED 329.38M 20220522 00:45:07 20220522 00:45:37 COMPLETED 328.68M 20220521 00:45:06 20220521 00:45:37 COMPLETED 328.55M 20220520 00:45:06 20220520 00:45:37 COMPLETED 325.89M 20220519 00:45:06 20220519 00:45:36 COMPLETED 328.33M 20220518 00:45:07 20220518 00:45:38 COMPLETED 329.19M 20220517 00:45:06 20220517 00:45:36 COMPLETED 329.17M 20220516 00:45:06 20220516 00:45:36 COMPLETED 331.72M 20220515 00:45:06 20220515 00:45:41 COMPLETED 330.81M 20220514 00:45:06 20220514 00:45:41 COMPLETED |
| 增量备份信息 | 3.66G 20220523 01:02:58 20220523 01:04:03 COMPLETED 3.66G 20220522 01:03:14 20220522 01:04:16 COMPLETED 3.66G 20220521 01:02:53 20220521 01:03:46 COMPLETED 3.66G 20220520 01:03:32 20220520 01:04:25 COMPLETED 3.66G 20220519 01:02:51 20220519 01:03:54 COMPLETED 3.66G 20220518 01:01:53 20220518 01:02:46 COMPLETED 3.66G 20220517 01:02:46 20220517 01:04:15 COMPLETED 3.66G 20220516 01:03:15 20220516 01:04:18 COMPLETED 3.66G 20220515 01:03:26 20220515 01:04:19 COMPLETED 3.66G 20220514 01:02:16 20220514 01:03:11 COMPLETED |
| 归档备份信息 | 40.03M 40.50M 20220523 19:09:57 20220523 19:10:12 COMPLETED 39.43M 39.75M 20220523 15:00:52 20220523 15:01:07 COMPLETED 40.64M 41.00M 20220523 11:01:17 20220523 11:01:32 COMPLETED 39.61M 40.00M 20220523 07:00:58 20220523 07:01:13 COMPLETED 28.87M 29.25M 20220523 03:13:17 20220523 03:13:32 COMPLETED 39.87M 40.25M 20220522 23:08:22 20220522 23:08:37 COMPLETED 39.69M 40.00M 20220522 19:12:12 20220522 19:12:28 COMPLETED 40.08M 40.50M 20220522 15:00:43 20220522 15:00:58 COMPLETED 39.52M 39.75M 20220522 11:01:07 20220522 11:01:23 COMPLETED 39.83M 40.25M 20220522 07:00:55 20220522 07:01:10 COMPLETED |
| rman配置信息 | CONFIGURE RETENTION POLICY TO REDUNDANCY 1; # default CONFIGURE BACKUP OPTIMIZATION OFF; CONFIGURE DEFAULT DEVICE TYPE TO DISK; # default CONFIGURE CONTROLFILE AUTOBACKUP OFF; # default CONFIGURE CONTROLFILE AUTOBACKUP FORMAT FOR DEVICE TYPE DISK TO '%F'; # default CONFIGURE DEVICE TYPE DISK PARALLELISM 4 BACKUP TYPE TO BACKUPSET; CONFIGURE DATAFILE BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default CONFIGURE ARCHIVELOG BACKUP COPIES FOR DEVICE TYPE DISK TO 1; # default CONFIGURE MAXSETSIZE TO UNLIMITED; # default CONFIGURE ENCRYPTION FOR DATABASE OFF; # default CONFIGURE ENCRYPTION ALGORITHM 'AES128'; # default CONFIGURE COMPRESSION ALGORITHM 'BASIC' AS OF RELEASE 'DEFAULT' OPTIMIZE FOR LOAD TRUE ; # default CONFIGURE ARCHIVELOG DELETION POLICY TO NONE; # default CONFIGURE SNAPSHOT CONTROLFILE NAME TO '/oradata/back/snapcf\_cjc.f'; |

# **六：数据库性能信息**

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| --- | --- |
| 数据库性能信息 | 内容 |
| 会话信息 | 1 CJC 1 1 SYS 1 1 27 |
| 资源信息 | 1 processes 32 38 150 1 sessions 40 50 247 |
| 顾问任务信息 | auto optimizer stats collection DISABLED auto space advisor DISABLED sql tuning advisor DISABLED |
| SGA等信息 | large\_pool\_size 0 memory\_max\_target 1157627904 memory\_target 1157627904 sga\_max\_size 1157627904 sga\_target 0 |
| 等待事件信息 | 52 control file parallel write 35 db file sequential read 32 RMAN backup & recovery I/O 4 log file parallel write 3 db file async I/O submit 3 db file scattered read 2 library cache load lock 2 db file parallel read 1 os thread startup 1 Streams AQ: qmn coordinator wa iting for slave to start |
| 内存信息 | MemTotal: 2815496 kB MemFree: 844012 kB MemAvailable: 706396 kB Buffers: 172 kB Cached: 1225120 kB SwapCached: 0 kB Active: 904712 kB Inactive: 730072 kB |
| 占内存进程信息 | oracle 5.6 ora\_smon\_cjc gdm 5.5 /usr/bin/gnome-shell oracle 5.1 ora\_mmon\_cjc oracle 4.4 oraclecjc oracle 4.3 ora\_cjq0\_cjc oracle 3.9 ora\_mman\_cjc oracle 3.0 ora\_dbw0\_cjc oracle 2.9 ora\_q000\_cjc oracle 2.7 ora\_j000\_cjc oracle 2.6 ora\_arc0\_cjc |
| 占CPU进程信息 | oracle 1.5 ora\_vktm\_cjc oracle 1.6 ora\_j001\_cjc gdm 5.5 /usr/bin/gnome-shell rtkit 0.1 /usr/libexec/rtkit-daemon rpc 0.1 /sbin/rpcbind root 0.0 [kworker/0:2] root 0.0 [kworker/0:0] root 0.0 [rcuos/0] root 0.0 [rcu\_bh] root 0.0 /bin/bash |

# **七：数据库参数信息**

|  |  |
| --- | --- |
| 数据库参数信息 | 内容 |
| 需要优化的参数 | \_optimizer\_adaptive\_cursor\_sharing FALSE \_optimizer\_mjc\_enabled TRUE \_partition\_large\_extents FALSE \_undo\_autotune TRUE db\_files 2048 max\_dump\_file\_size 1024M optimizer\_dynamic\_sampling 2 optimizer\_index\_cost\_adj 100 parallel\_force\_local FALSE |

# **八：数据库系统信息**

|  |  |
| --- | --- |
| 数据库系统信息 | 内容 |
| 目录信息 | 192.0.0.100:/oradata 29% /oradata 192.0.0.100:/oraarch 10% /oraarch 192.0.0.100:/oracle 10% /oracle |
| 挂载信息 | 192.0.0.100:/oracle nfs (rw,relatime,vers=3,rsize=32768,wsize=32768 ......) 192.0.0.100:/oradata nfs (rw,relatime,vers=3,rsize=32768,wsize=32768 ......) 192.0.0.100:/oraarch nfs (rw,relatime,vers=3,rsize=32768,wsize=32768 ......) |
| 自动挂载配置 |  |

# **九：数据库日志信息**

|  |  |
| --- | --- |
| 数据库日志信息 | 内容 |
| 数据库告警日志 | ORA-06576: not a valid function or procedure name ORA-12012: error on auto execute of job "CJC"."J\_MDSDE\_COUNT" ORA-1652: unable to extend temp segment by 128 in tablespace CJCTBS |
| 数据库集群日志 | 不适用 |
| 数据库ASM日志 | 不适用 |
| 操作系统日志 |  |