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| TÀI LIỆU HƯỚNG DẪN CẤU HÌNH  GIÁM SÁT BACKUP DB |
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| **VNPT IT**  **TRUNG TÂM ĐIỀU HÀNH IT**  ***ICT- ThanhBD*** |
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| **Phiên bản: 1.0** |
| **Ngày xuất bản:2019-10-25** |
| Số hiệu tài liệu: |
| **LƯU HÀNH NỘI BỘ** |

# Tạo các sripts để lấy dữ liệu từ DB chạy backup rman

* 1. Script lấy backup log
* **Tạo thư mục /monitor và phân quyền oracle:oinstall cho /monitor**

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| Mkdir /monitor/  Chown -R oracle:oinstall /monitor |

* **Tạo file script backupinfo.sh và backupinfo.sql trong thư mục /monitor**

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| * [oracle@taxprim monitor]$ cat backupinfo.sh   #!/bin/bash  # Oracle Database 12c  # Start this script as OS user: oracle  # This script made by ThanhBD  . /etc/zabbix/agentscripts/oraenv  ORACLE\_SID=$(ps -ef | grep ora\_smon | awk '{print $8}' | sed 's/ora\_smon\_//' | grep -v 'grep' | grep -v 'sed' )  for i in $ORACLE\_SID; do  ORACLE\_SID=$i; export $ORACLE\_SID  sqlplus / as sysdba << END  @/monitor/backupinfo.sql  END  done |

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| [oracle@taxprim monitor]$ cat backupinfo.sql  set headsep off  set pagesize 0  set trimspool on  set linesize 400  set numwidth 5  set heading off  set head off  set feedback off  set term off  set feed off  col start\_time for a20  col end\_time for a20  col STATUS for a10  col INPUT\_TYPE for a10  col DOW for a10  spool /monitor/backup\_info.txt append;  select a. session\_recid, a.start\_time, a.end\_time, a.status, a.input\_type, a.dow, a.cf, a.df, a.I0, a.I1, a.L, b.name from (  select  j.session\_recid, to\_char(j.start\_time, 'yyyy-mm-dd hh24:mi:ss') start\_time,  to\_char(j.end\_time, 'yyyy-mm-dd hh24:mi:ss') end\_time, j.status, j.input\_type,  decode(to\_char(j.start\_time, 'd'), 1, 'Sunday', 2, 'Monday',  3, 'Tuesday', 4, 'Wednesday',  5, 'Thursday', 6, 'Friday',  7, 'Saturday') dow,  x.cf, x.df, x.i0, x.i1, x.l,  ro.inst\_id output\_instance  from V$RMAN\_BACKUP\_JOB\_DETAILS j  left outer join (select  d.session\_recid, d.session\_stamp,  sum(case when d.controlfile\_included = 'YES' then d.pieces else 0 end) CF,  sum(case when d.controlfile\_included = 'NO'  and d.backup\_type||d.incremental\_level = 'D' then d.pieces else 0 end) DF,  sum(case when d.backup\_type||d.incremental\_level in ('I0','D0') then d.pieces else 0 end) I0,  sum(case when d.backup\_type||d.incremental\_level = 'I1' then d.pieces else 0 end) I1,  sum(case when d.backup\_type = 'L' then d.pieces else 0 end) L  from  V$BACKUP\_SET\_DETAILS d  join V$BACKUP\_SET s on s.set\_stamp = d.set\_stamp and s.set\_count = d.set\_count  where s.input\_file\_scan\_only = 'NO'  group by d.session\_recid, d.session\_stamp) x  on x.session\_recid = j.session\_recid and x.session\_stamp = j.session\_stamp  left outer join (select o.session\_recid, o.session\_stamp, min(inst\_id) inst\_id  from GV$RMAN\_OUTPUT o  group by o.session\_recid, o.session\_stamp)  ro on ro.session\_recid = j.session\_recid and ro.session\_stamp = j.session\_stamp  where j.session\_recid = ( select max (j.session\_recid) from V$RMAN\_BACKUP\_JOB\_DETAILS j where input\_type='DB INCR')  ) a, v$database b;  spool off  exit; |

* 1. Script phân tích log ( Phải sửa các thông tin bên dưới phù hợp với từng DB riêng: IP, dường dẫn backup)

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| 1. [oracle@taxprim monitor]$ cat monitor.sh   #!/bin/bash  # Clear file backup.log  echo > /monitor/backup.log  # IP address of Database server  ip=10.252.104.11  cd /monitor/  # Thu muc backup level 0;  i0\_path='/u05/backuprman/rman/'  # Thu muc backup level 1  i1\_path='/u05/backuprman/rman/'  while IFS=' ' read -r SES\_RECID ST\_TIME STIME\_MN END\_TIME ETIME\_MN STATUS DB INPUT\_TYPE DOW CTRL\_FILE BK\_FULL LEVEL0 LEVEL1 BK\_LOG INST\_NAME; do  # check incremental level 0 backup  if [ $(($LEVEL0)) -gt 0 ];  then echo "DB\_${INST\_NAME}\_$ip Full\_Backup\_$DOW, status=$STATUS, start\_time=$ST\_TIME $STIME\_MN, end\_time=$END\_TIME $ETIME\_MN, BackupFull\_Dir=$i0\_path" >> /monitor/backup.log  fi  # check incremental level 1 backup  if [ $(($LEVEL1)) -gt 0 ];  then echo "DB\_${INST\_NAME}\_$ip Incremental\_Backup\_$DOW, status=$STATUS, start\_time=$ST\_TIME $STIME\_MN, end\_time=$END\_TIME $ETIME\_MN, BackupIncre\_Dir=$i1\_path" >> /monitor/backup.log  fi  done < backup\_info.txt  # Clear file backupinfo  echo > /monitor/backup\_info.txt |

# Đặt crontab để lấy thông tin backup

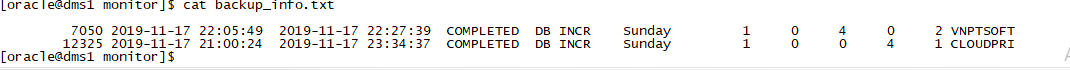
**# check backup**

00 7 \* \* \* /monitor/backupinfo.sh

30 7 \* \* \* /monitor/monitor.sh

# Test xem các script trên đã ghi ra log file để Zabbix agent thu thập thông tin chưa

**[root@taxprim ~]# cat /monitor/backup\_info.txt**

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**[oracle@dms1 monitor]$ cat backup.log**

DB\_VNPTSOFT\_10.252.104.11 Full\_Backup\_Sunday, status=COMPLETED, start\_time=2019-11-17 22:05:49, end\_time=2019-11-17 22:27:39, BackupFull\_Dir=/u05/backuprman/rman/

DB\_CLOUDPRI\_10.252.104.11 Incremental\_Backup\_Sunday, status=COMPLETED, start\_time=2019-11-17 21:00:24, end\_time=2019-11-17 23:34:37, BackupIncre\_Dir=/u05/backuprman/rman/

# Kiểm tra trạng thái backup hàng ngày = tool check backup

* Thực hiện Daily checkbackup vào 8h sáng hàng và Trạng thái backup trả về là:

**+ backup là Incremental\_backup hay full backup**

+ **Status = completed hoặc failed hoặc running**

**+ Thời gian thực hiện và kết thúc backup: start\_time, end\_time**

**+ Back\_dir: Thư mục backup**

