

HRMIDDB的迁移

数据库操作

HRMIDDB的迁移

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1.源库环境确认

1.1 查看数据库user

```
select username,account_status,default_tablespace,created from dba_users
```

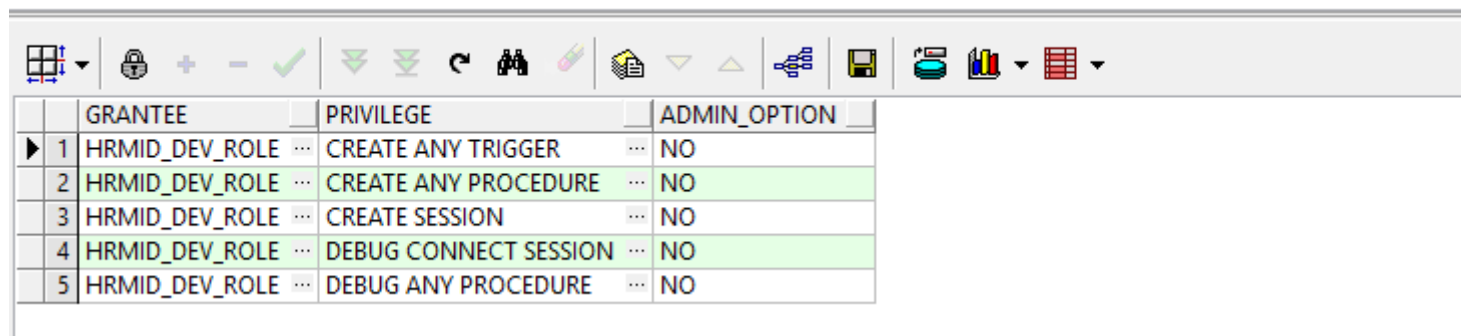
	USERNAME	ACCOUNT_STATUS	DEFAULT_TABLESPACE	CREATED
1	SYSTEM	OPEN	SYSTEM	2008/3/12 0:39:51
2	SYS	OPEN	SYSTEM	2008/3/12 0:39:51
3	MGMT_VIEW	OPEN	SYSTEM	2008/3/12 1:17:08
4	DBSNMP	OPEN	SYSAUX	2008/3/12 0:50:30
5	SYSMAN	OPEN	SYSAUX	2008/3/12 1:14:41
6	FOGLIGHT	OPEN	USERS	2015/2/5 14:32:00
7	HRMIDUSER	OPEN	HRMIDTBS	2012/10/10 9:26:03
8	HRUSER	OPEN	HRMIDTBS	2013/7/30 13:50:30
9	HRSHIFT	OPEN	HRMIDTBS	2014/8/6 8:26:28
10	ASEKH	OPEN	HRMIDTBS	2014/6/24 16:08:38
11	MOSS	OPEN	HRMIDTBS	2013/10/23 10:10:06
12	HRNOTES	OPEN	HRMIDTBS	2015/1/21 14:40:33
13	D42233	LOCKED	USERS	2014/11/28 14:12:31
14	D41565	LOCKED	USERS	2014/11/28 14:12:35
15	D42026	LOCKED	USERS	2014/11/28 14:12:47
16	D41698	LOCKED	USERS	2014/11/28 14:12:43
17	D00132	LOCKED	USERS	2014/11/28 14:12:39
18	D00186	LOCKED	USERS	2014/11/28 14:12:27
19	D42632	LOCKED	HRMIDTBS	2016/5/28 15:31:25
20	ASENORDER	LOCKED	HRMIDTBS	2012/12/3 15:44:29

1.2 查看数据库角色

```
select * from dba_roles  
select * from DBA_SYS_PRIVS where grantee='READ_IBIS'
```

	ROLE	PASSWORD_REQUIRED
▶ 1	CONNECT	NO
28	CTXAPP	NO
3	DBA	NO
6	DELETE_CATALOG_ROLE	NO
25	EJBCLIENT	NO
5	EXECUTE_CATALOG_ROLE	NO
7	EXP_FULL_DATABASE	NO
10	GATHER_SYSTEM_STATISTICS	NO
14	GLOBAL_AQ_USER_ROLE	GLOBAL
16	HS_ADMIN_ROLE	NO
8	IMP_FULL_DATABASE	NO
24	JAVADEBUGPRIV	NO
22	JAVAIDPRIV	NO
23	JAVASYSPRIV	NO
21	JAVAUSERPRIV	NO
26	JAVA_ADMIN	NO
27	JAVA_DEPLOY	NO
11	LOGSTDBY_ADMINISTRATOR	NO
33	MGMT_USER	NO
35	MGMT_USER	NO
36	HRMID_DEV_ROLE	NO

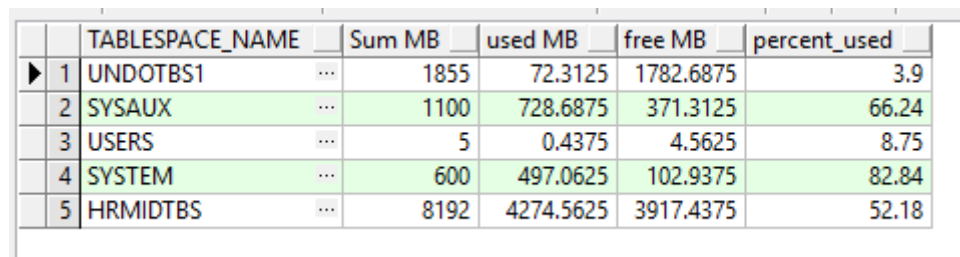
```
select * from DBA_SYS_PRIVS where grantee='HRMID_DEV_ROLE'
```



	GRANTEE	PRIVILEGE	ADMIN_OPTION
▶ 1	HRMID_DEV_ROLE	CREATE ANY TRIGGER	NO
2	HRMID_DEV_ROLE	CREATE ANY PROCEDURE	NO
3	HRMID_DEV_ROLE	CREATE SESSION	NO
4	HRMID_DEV_ROLE	DEBUG CONNECT SESSION	NO
5	HRMID_DEV_ROLE	DEBUG ANY PROCEDURE	NO

1.3 查看数据库表空间

```
select * from dba_tablespace
```



	TABLESPACE_NAME	Sum MB	used MB	free MB	percent_used
▶ 1	UNDOTBS1	1855	72.3125	1782.6875	3.9
2	SYSAUX	1100	728.6875	371.3125	66.24
3	USERS	5	0.4375	4.5625	8.75
4	SYSTEM	600	497.0625	102.9375	82.84
5	HRMIDTBS	8192	4274.5625	3917.4375	52.18

1.4 查看数据段在的表空间

```
select owner, segment_name, segment_type, tablespace_name
  from dba_segments
 where tablespace_name NOT in ('SYSTEM', 'SYSAUX')
 order by tablespace_name
```

	OWNER	SEGMENT_NAME	SEGMENT_TYPE	TABLESPACE_NAME
1	GOLUM	PK_IBIS_AUT_SERVER_RIGHTS	INDEX	GOLUM_IDX
2	GOLUM	PK_IBIS_FIELD_NAME_TRANS	INDEX	GOLUM_IDX
3	GOLUM	PK_IBIS_XML_DTD	INDEX	GOLUM_IDX
4	GOLUM	PK_IBIS_STANDARD_BIN	INDEX	GOLUM_IDX
5	GOLUM	PK_IBIS_SERVER_ID	INDEX	GOLUM_IDX
6	GOLUM	PK_RETENTION_DAYS	INDEX	GOLUM_IDX
7	GOLUM	PK_IBIS_DIFF_CTR	INDEX	GOLUM_IDX
8	GOLUM	PK_IBIS_AUT_SERVER_USER_ROLE	INDEX	GOLUM_IDX
9	GOLUM	PK_IBIS_AUT_SERVER_USER_ID	INDEX	GOLUM_IDX
10	GOLUM	PK_AUT_SERVER_ROLE_RIGHTS	INDEX	GOLUM_IDX
11	GOLUM	PK_IBIS_AUT_SERVER_ROLE	INDEX	GOLUM_IDX
12	GOLUM	SYS_C005315	INDEX	GOLUM_IDX
13	GOLUM	IBIS_STANDARD_BIN	TABLE	GOLUM_TBL
14	GOLUM	IBIS_DIFF_CTR	TABLE	GOLUM_TBL
15	GOLUM	IBIS_BIN_CODE_TRANS	TABLE	GOLUM_TBL
16	GOLUM	IBIS_XML_DTD	TABLE	GOLUM_TBL
17	GOLUM	IBIS_AUT_SERVER_USER_ROLE	TABLE	GOLUM_TBL
18	GOLUM	IBIS_SERVER_ID	TABLE	GOLUM_TBL
19	GOLUM	IBIS_AUT_SERVER_RIGHTS	TABLE	GOLUM_TBL
20	GOLUM	IBIS_MAIL_REPORT	TABLE	GOLUM_TBL
21	GOLUM	IBIS_AUT_SERVER_ROLE_RIGHTS	TABLE	GOLUM_TBL
22	GOLUM	IBIS_RETENTION_DAYS	TABLE	GOLUM_TBL
23	GOLUM	IBIS_AUT_SERVER_ROLE	TABLE	GOLUM_TBL

1.5 查看物化视图

```
select * from dba_mviews
```

	OWNER	MVIEW_NAME	CONTAINER_NAME	QUERY	QUERY_LEN	UPDATABLE	UPDATE_LOG	M
1	MOSS	T_EMPLOYEE	T_EMPLOYEE	<Long>	136	N		
2	MOSS	T_DEPT	T_DEPT	<Long>	91	N		

1.6 查看物化视图日志

```
select * from dba_mview_logs
```

	LOG_OWNER	MASTER	LOG_TABLE	LOG_TRIGGER	ROWIDS	PRIMARY_KEY	OBJECT_ID	FILTER_COLUMNS	SEQUENCE	INCLU
--	-----------	--------	-----------	-------------	--------	-------------	-----------	----------------	----------	-------

1.7 查看job

```
select * from dba_jobs
```

```
select * from dba_scheduler_jobs
```


	JOB	LOG_USER	PRIV_USER	SCHEMA_USER	LAST_DATE	LAST_SEC	THIS_DATE	THIS_SEC	NEXT_DATE	N
▶ 1	1	SYSMAN	SYSMAN	SYSMAN	2017/11/22 17:02:53	17:02:53			2017/11/22 17:03:53	1
2	81	HRUSER	HRUSER	HRUSER	2017/11/22 7:00:02	07:00:02			2017/11/23 7:00:00	0
3	41	ASENORDER	ASENORDER	ASENORDER	2017/11/22 4:00:00	04:00:00			2017/11/23 4:00:00	0
4	82	HRUSER	HRUSER	HRUSER	2017/11/22 5:00:01	05:00:01			2017/11/23 5:00:00	0
5	83	HRUSER	HRUSER	HRUSER	2017/11/22 14:00:02	14:00:02			2017/11/23 14:00:00	1
6	101	HRUSER	HRUSER	HRUSER	2017/11/22 9:00:03	09:00:03			2017/11/23 9:00:00	0
7	121	HRSHIFT	HRSHIFT	HRSHIFT	2017/11/22 4:00:00	04:00:00			2017/11/23 4:00:00	0
8	122	HRSHIFT	HRSHIFT	HRSHIFT	2017/11/22 13:00:01	13:00:01			2017/11/23 13:00:00	1
9	149	MOSS	MOSS	MOSS	2017/11/22 16:56:28	16:56:28			2017/11/22 17:06:28	1
10	163	MOSS	MOSS	MOSS	2017/11/22 16:55:18	16:55:18			2017/11/22 17:05:18	1
11	221	HRUSER	HRUSER	HRUSER	2017/10/26 8:00:02	08:00:02			2017/11/26 8:00:00	0
12	182	HRUSER	HRUSER	HRUSER	2017/11/21 23:00:01	23:00:01			2017/11/22 23:00:00	2
13	241	HRUSER	HRUSER	HRUSER	2017/11/22 4:00:00	04:00:00			2017/11/23 4:00:00	0
14	242	HRUSER	HRUSER	HRUSER	2017/11/22 13:00:01	13:00:01			2017/11/23 13:00:00	1
15	261	HRUSER	HRUSER	HRUSER	2017/11/1	00:00:00			2018/2/1	0

1.8 查看dblink

```
select * from dba_db_links
```

	OWNER	DB_LINK	USERNAME	HOST	CREATED
▶ 1	PUBLIC	DCTEST	CMS	(description=(address=(protocol=TCP) (host=10.65.1.120)(port=1521)))(c	2017/8/4 9:02:00
2	PUBLIC	HCPTTEST	HCP	(description=(address=(protocol=TCP) (host=10.65.202.160)(port=1521) ...	2015/4/22 11:37:10
3	PUBLIC	HCPPROD	HCP	HCPPROD	2015/1/13 13:30:35
4	PUBLIC	HRPASS	M_QUIZ	hrpass	2015/1/9 13:22:48
5	PUBLIC	HRMIDUSER	HRMIDUSER	(description=(address=(protocol=TCP)(host=10.65.1.178)(port=1525))(cc ...	2015/2/13 10:23:46
6	HRMIDUSER	ASENHR	ASENHR	(DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL ...	2012/10/10 11:09:34

1.9 查看其他数据库有无关联

这里我们需要列出所有数据库 然后一台台查看是否有dblink连接

1.10 检查procedure,package等是否失效以及数量

```
select OWNER || '.' || OBJECT_NAME, OBJECT_TYPE from dba_objects
where owner in ('HRMIDUSER', 'HRUSER', 'HRSHIFT', 'ASEKH', 'MOSS', 'HRNOTES', 'ASENORDER')
and status='INVALID';
```

OWNER '. OBJECT_NAME	OBJECT_TYPE
------------------------	-------------

2. SUMMARYDB端操作

2.1 建立表空间

```
CREATE SMALLFILE TABLESPACE HRMIDTBS DATAFILE SIZE 8192M LOGGING EXTENT MANAGEMENT LOCAL SEGMENT SPACE MANAGEMENT AUTO;
```

2.2 建立角色

```
create role hrmid_dev_role;
```

2.3 建立用户

```
drop user HRMIDUSER cascade;  
drop user HRUSER cascade;  
drop user HRSHIFT cascade;  
drop user ASEKH cascade;  
drop user MOSS cascade;  
drop user HRNOTES cascade;  
drop user ASENORDER cascade;
```

```
create user HRMIDUSER identified by HRMIDUSER default tablespace HRMIDTBS ;  
create user HRUSER identified by HRUSER default tablespace HRMIDTBS ;  
create user HRSHIFT identified by HRSHIFT default tablespace HRMIDTBS ;  
create user ASEKH identified by SZASEKH default tablespace HRMIDTBS ;  
create user MOSS identified by MOSS default tablespace HRMIDTBS ;  
create user HRNOTES identified by HRNOTES default tablespace HRMIDTBS ;  
create user ASENORDER identified by ASENORDER default tablespace HRMIDTBS ;
```

```
create user D41698 identified by D41698 default tablespace HRMIDTBS ;
```

```
grant connect,resource to HRMIDUSER ;  
grant connect,resource to HRUSER ;  
grant connect,resource to HRSHIFT ;  
grant connect,resource to ASEKH;  
grant connect,resource to MOSS;  
grant connect,resource to HRNOTES ;  
grant connect,resource to ASENORDER ;  
grant connect,resource to D41698;
```

```
grant select on v_$session to HRMIDUSER ;  
grant select on v_$session to HRUSER ;  
grant select on v_$session to HRSHIFT ;  
grant select on v_$session to ASEKH;  
grant select on v_$session to MOSS;  
grant select on v_$session to HRNOTES ;  
grant select on v_$session to ASENORDER ;  
grant select on v_$session to D41698;
```

```
grant unlimited tablespace to HRMIDUSER ;  
grant unlimited tablespace to HRUSER ;
```

```
grant unlimited tablespace to HRSHIFT ;
grant unlimited tablespace to ASEKH;
grant unlimited tablespace to MOSS;
grant unlimited tablespace to HRNOTES ;
grant unlimited tablespace to ASENORDER ;
grant unlimited tablespace to D41698;
```

2.4 建立dblink

2.4.1 DCTEST

```
CREATE PUBLIC DATABASE LINK DCTEST
CONNECT TO CMS IDENTIFIED BY CMS
USING '(description=(address=(protocol=TCP)
(host=10.65.1.120)(port=1521))(connect_data=(SERVICE_NAME = dctest)))'
```

2.4.2 HCPTTEST

```
CREATE PUBLIC DATABASE LINK HCPTST
CONNECT TO HCP IDENTIFIED BY HCP
USING '(description=(address=(protocol=TCP)
(host=10.65.202.160)(port=1521))(connect_data=(SERVICE_NAME = HRDB)))'
```

2.4.3 HCPPROD

```
CREATE PUBLIC DATABASE LINK HCPPROD
CONNECT TO HCP IDENTIFIED BY HCP
USING 'HCPPROD'
```

2.4.4 hrpass

```
CREATE PUBLIC DATABASE LINK HRPASS
CONNECT TO M_QUIZ IDENTIFIED BY QUIZ
USING 'hrpass'
```

2.4.5 HRMIDUSER

```
CREATE PUBLIC DATABASE LINK HRMIDUSER
CONNECT TO HRMIDUSER IDENTIFIED BY VALUES HRMIDUSER
USING '(description=(address=(protocol=TCP)(host=10.65.202.238)(port=1521))(connect_data=(SERVICE_NAME=sum
marydb)))'
```

2.4.6 ASENHR (HRMIDUSER)

```
CREATE DATABASE LINK ASENHR
CONNECT TO ASENHR IDENTIFIED BY ASENHR
USING '(DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS =
      (PROTOCOL = TCP)
      (HOST = 10.65.1.162)
      (PORT = 1525))
    )
  (CONNECT_DATA =
    (SID = B2BRDA)
  )
)'
```

3. 其他数据库操作

3.1 dblink修改(Oracle)

3.1.1 B2BRDA

```
CREATE PUBLIC DATABASE LINK HRMIDDB
CONNECT TO HRMIDUSER IDENTIFIED BY HRMIDUSER
USING '(DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS =
      (PROTOCOL = TCP)
      (HOST = 10.65.202.238)
      (PORT = 1521))
    )
  (CONNECT_DATA =
    (SID = summarydb)
  )
)'
```

3.1.2 DCPROD

```
CREATE PUBLIC DATABASE LINK HRMIDDB
CONNECT TO HRMIDUSER IDENTIFIED BY HRMIDUSER
USING '(description=(address=(protocol=TCP)
(host=10.65.202.238)(port=1521))(connect_data=(SERVICE_NAME = summarydb)))'
```



```
CREATE PUBLIC DATABASE LINK "HRMIDDB.US.ORACLE.COM"  
CONNECT TO HRMIDUSER IDENTIFIED BY HRMIDUSER  
USING '(DESCRIPTION =  
  (ADDRESS_LIST =  
    (ADDRESS =  
      (PROTOCOL = TCP)  
      (HOST = 10.65.202.238)  
      (PORT = 1521))  
    )  
  (CONNECT_DATA =  
    (SID = summarydb)  
  )  
)'
```

3.1.3 HDB

```
CREATE PUBLIC DATABASE LINK "HRMIDUSER"  
CONNECT TO "HRMIDUSER" IDENTIFIED BY HRMIDUSER  
USING '(DESCRIPTION =  
(ADDRESS_LIST =  
(ADDRESS = (PROTOCOL = TCP)(HOST = 10.65.202.238)(PORT = 1521))  
)  
(CONNECT_DATA =  
(SERVICE_NAME = summarydb)  
)  
)'
```

```

CREATE PUBLIC DATABASE LINK "HRMIDDB_EDDY"
CONNECT TO "HRMIDUSER" IDENTIFIED BY HRMIDUSER
USING '(description=(address=(protocol=TCP)
(host=10.65.202.238)(port=1521))(connect_data=(SERVICE_NAME = summarydb)))'

```

3.1.4 HRDB(HCP用户)

```

CREATE DATABASE LINK "HRSHIFT"
CONNECT TO "HRSHIFT" IDENTIFIED BY hrshift
USING ' (DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS = (PROTOCOL = TCP)(HOST = 10.65.202.238)(PORT = 1521))
  )
  (CONNECT_DATA =
    (SERVICE_NAME = summarydb)
  )
)'

```

```

CREATE DATABASE LINK "JGDBNEW"
CONNECT TO "HRMIDUSER" IDENTIFIED BY HRMIDUSER
USING '(DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 10.65.202.238)(PORT = 1521))(CONNECT_DATA = (SID
= summarydb)))'

```

3.2 dblink修改(SQL Server)

3.2.1 10.65.202.85

- ...



4. HRMIDDB导出数据

4.1 首先lock账号

```
alter user HRMIDUSER account lock;  
alter user HRUSER account lock ;  
alter user HRSHIFT account lock ;  
alter user ASEKH account lock;  
alter user MOSS account lock ;  
alter user HRNOTES account lock ;  
alter user ASENORDER account lock;(不需要)
```

4.2 关闭job运行/crontab/schedule

```
alter system set job_queue_processes=0 scope=both;
```

4.2 新建parfile:expdp_hrmiddb.txt

注意oracle 11.2.0.1 之后空表如没有数据则会不导出

```
export NLS_LANG=AMERICAN_AMERICA.ZHS16GBK
```

```
CREATE OR REPLACE DIRECTORY dump_dir AS '/u01/app/oracle/oradata/HRMIDDB/migrate';
```

```
userid='sys/ase_sys_n as sysdba'
```

```
job_name=job_hrmiddb_exp
```

```
directory=dump_dir
```

```
filesize=15G
```

```
dumpfile=expdp_hrmiddb_%U.dmp
```

```
logfile=hrmiddb_expdp.log
```

```
schemas=HRMIDUSER,HRUSER,HRSHIFT,ASEKH,MOSS,HRNOTES,ASENORDER
```

```
parallel=4
```

```
content=all
```

3.4 导出数据 (10分钟)

```
expdp parfile=expdp_hrmiddb.txt
```

5. SUMMARY导入数据

5.1 拷贝expdp文件至该目录(1分钟)

```
cd /u01/app/oracle/oradata/HRMIDDB/migrate
scp * oracle@10.65.206.21:/oradata/software

scp * oracle@10.65.202.238:/oradata/dump
```

5.2 修改字段大小 (已完成)

```
alter table HRSHIFT.SHIFTFINAL modify ATTRIBUTE1 VARCHAR2(200);
alter table HRNOTES.T_NOTES_DEPTCHANGE modify SEGMENT_NAME VARCHAR2(100);

alter table HRSHIFT.SHIFTEMPLOYEEEXTRA modify EXTRAVALUE04 VARCHAR2(64);

alter table HRUSER.T_SALARY_EMP modify REMARK VARCHAR2(100);

alter table HRUSER.T_VPN modify EMPNAME VARCHAR2(64);

alter table MOSS.T_IDMAP modify F_ID VARCHAR2(100);
```

5.2 导入hrmiddb用户数据

```
export NLS_LANG=AMERICAN_AMERICA.AL32UTF8
CREATE OR REPLACE DIRECTORY dump_dir AS '/oradata/software';
CREATE OR REPLACE DIRECTORY dump_dir AS '/oradata/dump';
```

新建parfile: impdp_hrmiddb.txt

```
userid='sys/ase_sys_1 as sysdba'
job_name=job_hrmiddb_imp
directory=dump_dir
dumpfile=expdp_hrmiddb_%U.dmp
logfile=hrmiddb_impdp.log
schemas=HRMIDUSER,HRUSER,HRSHIFT,ASEKH,MOSS,HRNOTES,ASENORDER
parallel=4
content=all
```

导入数据

```
impdp parfile=impdp_hrmiddb.txt
```

5.3 新建Job(需使用指定账号建立)

5.3.1 HRSHIFT

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hrshift.p_shiftemployee;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+4/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hrshift.p_shiftemployee;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+13/24'  
);  
commit;  
end;
```

5.3.2 HRUSER

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_export_ad_infra;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+4/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_export_ad_infra;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+13/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.p_agent_sendmail;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+(23*60)/(24*60)'  
);  
commit;  
end;
```



```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_export_telbill_infra;',  
next_date=>sysdate ,  
Interval => 'TRUNC(LAST_DAY(SYSDATE)+26)+8/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'P_EXT_SendMail;',  
next_date=>sysdate ,  
Interval => 'ADD_MONTHS(TRUNC(SYSDATE , 'MM'),3)'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_pm_history;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+14/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_am_history;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+5/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_sync;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+7/24'  
);  
commit;  
end;
```

```
declare test_job_really number ;  
begin  
dbms_job.submit(job=>test_job_really,  
what=>'hruser.proc_export_checkhr_infra;',  
next_date=>sysdate ,  
Interval => 'TRUNC(SYSDATE+1)+9/24'  
);  
commit;  
end;
```

6. 事后检查

6.1 检查对象是否迁移完成

```
select OWNER || '.' || OBJECT_NAME, OBJECT_TYPE from dba_objects where owner in ('HRMIDUSER', 'HRUSER', 'HRSHIFT',  
'ASEKH', 'MOSS', 'HRNOTES', 'ASENORDER');
```

6.2 检查物化视图是否建立

6.2 新环境参数检查

包括对SGA, PGA, SGA_TARGET, PROCESSES, SESSIONS, case_sensitive, deffer_creation_segement, open_cursor, jobs, job_queue_processes等参数的查看

