Duplicate Database

ORIGEM - maquina do banco de produção

DESTINO - maquina onde ser duplicado o banco de produção

1 - criar pfile (ORIGEM)

SQL> create pfile from spfile

2 - copiar pfile para DESTINO (ORIGEM)

cd /u01/app/oracle/product/12.2.0.1/db\_1/dbs

scp initorcl.ora oracle@192.168.1.64:/u01/app/oracle/product/12.2.0.1/db\_1/dbs

3 - Criar o seguinte diretório para a nova instância (DESTINO)

mkdir -p /u01/app/oracle/admin/teste/adump

mkdir -p /u01/app/oracle/oradata/teste

4 - Ajustar aquivo de parametros (DESTINO)

Os seguintes parametros devem ser ajustados se necessário:

\*.audit\_file\_dest='/u01/app/oracle/admin/teste/adump'

\*.db\_block\_size=8192

\*.compatible='12.2.0.1.0'

\*.db\_domain=''

\*.db\_name='orcl'

\*.db\_recovery\_file\_dest='/u01/app/oracle/fast\_recovery\_area'

\*.db\_recovery\_file\_dest\_size=4385144832

\*.diagnostic\_dest='/u01/app/oracle'

\*.memory\_target=300M

\*.open\_cursors=300

\*.processes=150

\*.remote\_login\_passwordfile='EXCLUSIVE'

\*.undo\_tablespace='UNDOTBS1'

\*.db\_file\_name\_convert =('/u01/app/oracle/oradata/ORCL/','/u02/oradata/ORCLDUP/')

\*.log\_file\_name\_convert =('/u01/app/oracle/oradata/ORCL/','/u02/oradata/ORCLDUP/')

5 - copiar arquivo de senhas para DESTINO (ORIGEM)

cd /u01/app/oracle/product/12.2.0.1/db\_1/dbs

scp orapworcl oracle@192.168.1.64:/u01/app/oracle/product/12.2.0.1/db\_1/dbs

6 - ajuste tnsnames (ORIGEM)

vi /u01/app/oracle/product/12.2.0.1/db\_1/network/admin/tnsnames.ora

DB\_SOURCE =

(DESCRIPTION =

(ADDRESS = (PROTOCOL = TCP)(HOST = oracle12c)(PORT = 1521))

(CONNECT\_DATA =

(SERVER = DEDICATED)

(SERVICE\_NAME = orcl)

)

)

DB\_AUXILIARY =

(DESCRIPTION =

(ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.64)(PORT = 1521))

(CONNECT\_DATA =

(SERVER = DEDICATED)

(SERVICE\_NAME = orcl)

)

)

teste de conectividade

tnsping DB\_SOURCE

tnsping DB\_AUXILIARY

7 - ajustar tnsnames e listener (DESTINO)

vi /u01/app/oracle/product/12.2.0.1/db\_1/network/admin/tnsnames.ora

DB\_SOURCE =

(DESCRIPTION =

(ADDRESS = (PROTOCOL = TCP)(HOST = 192.168.1.78)(PORT = 1521))

(CONNECT\_DATA =

(SERVER = DEDICATED)

(SERVICE\_NAME = orcl)

)

)

DB\_AUXILIARY =

(DESCRIPTION =

(ADDRESS = (PROTOCOL = TCP)(HOST = oracle12c-duplicate)(PORT = 1521))

(CONNECT\_DATA =

(SERVER = DEDICATED)

(SERVICE\_NAME = orcl)

)

)

teste de conectividade

tnsping DB\_SOURCE

tnsping DB\_AUXILIARY

vi /u01/app/oracle/product/12.2.0.1/db\_1/network/admin/listener.ora

DESTINO

SID\_LIST\_LISTENER=

(SID\_LIST=

(SID\_DESC=

(GLOBAL\_DBNAME=orcl)

(ORACLE\_HOME=/u01/app/oracle/product/12.2.0.1/db\_1)

(SID\_NAME=orcl)

)

)

obs:Apos ajuste do listener ele tem que ser reiniciado

lsnrctl stop

lsnrctl start

lsnrctl status

Saida esperada:

Services Summary...

Service "orcl" has 1 instance(s).

Instance "orcl", status UNKNOWN, has 1 handler(s) for this service...

The command completed successfully

8 - iniciar instancia em modo started (DESTINO)

sqlplus / as sysdba

SQL> startup nomount pfile='/u01/app/oracle/product/19.0.0/dbhome\_1/dbs/initorcl.ora';

9 - iniciar duplicate, que pode ser de duas formas a partir da versão 12c (ORIGEM)

- Active Duplicate utilizando Push-based Method

rman target sys/suporte@DB\_SOURCE auxiliary sys/suporte@DB\_AUXILIARY

RMAN> duplicate target database to orcl from active database nofilenamecheck;

- Active Duplicate utilizando Pull-based Method (12c e acima)

rman target sys/suporte@DB\_SOURCE auxiliary sys/suporte@DB\_AUXILIARY

RMAN> duplicate target database to orcl from active database using COMPRESSED BACKUPSET ;

10 - validar status da nova instancia (DESTINO)

sqlplus / as sysdba

SQL> select instance\_name, status from v$instance;

SQL> select open\_mode,name,created from v$database;

11 - alterar nome do banco de dados (DESTINO)

- desligue o banco de dados

SQL> shutdown immediate

- inicie o banco de dados no modo mount

SQL> startup nomount pfile='/u01/app/oracle/product/12.2.0.1/db\_1/dbs/initorcl.ora';

SQL> alter database mount;

- execute alteração do nome

nid TARGET=/ DBNAME=teste

- ajustar aquivo de parametros

vi /u01/app/oracle/product/12.2.0.1/db\_1/dbs/initorcl.ora

alterar o parametro \*.db\_name com o novo nome

- ajustar as variaveis de ambiente

ORACLE\_SID=teste

- criar arquivo de senha com o novo nome

cd /u01/app/oracle/product/12.2.0.1/db\_1/dbs

orapwd file=orapwteste password=suporte\_4U entries=10

- iniciar instancia nomount e criar spfile

SQL> startup nomount pfile='/u01/app/oracle/product/12.2.0.1/db\_1/dbs/initorcl.ora';

SQL> create spfile from pfile='/u01/app/oracle/product/12.2.0.1/db\_1/dbs/initorcl.ora';

SQL> shut immediate;

- iniciar instancia e abrir openresetlogs

SQL> startup mount;

SQL> alter database open resetlogs;

- validar status da instancia

SQL> select instance\_name, status from v$instance;

SQL> select open\_mode,name,created from v$database;