oracle 10g静默安装oracle软件，手工建库，及搭建DG

参考 ： http://blog.itpub.net/29510932/viewspace-1135313/

http://blog.csdn.net/tongzidane/article/details/43852705

http://blog.itpub.net/29510932/viewspace-1135313/

http://www.cnblogs.com/jyzhao/p/5001782.html

http://www.cnblogs.com/ylqmf/archive/2012/04/16/2451211.html

http://blog.itpub.net/26015009/viewspace-1137885/

http://meiling.blog.51cto.com/6220221/1783490

```
[root@vm-db-member2 database]# gunzip 10201_database_linux_x86_64.cpio.gz
[root@vm-db-member2 database]# cpio -idmv < 10201_database_linux_x86_64.cpio
```

或 ：

```
zcat  10201_database_linux_x86_64.cpio.gz | cpio -idmv
```

oracle软件静默安装 ：

```
./runInstaller -silent -responseFile /oracle/database/database/response/enterprise.rsp
```

vim /etc/redhat-release

删除文件本身内容,重新录入以下内容:

redhat-4

createdb.sql

```
CREATE DATABASE MYSTEEL
   USER SYS IDENTIFIED BY oracle
   USER SYSTEM IDENTIFIED BY oracle
   LOGFILE GROUP 1 ('/oracle/oradata/MYSTEEL/redo01.log') SIZE 100M,
           GROUP 2 ('/oracle/oradata/MYSTEEL/redo02.log') SIZE 100M,
           GROUP 3 ('/oracle/oradata/MYSTEEL/redo03.log') SIZE 100M
   MAXLOGFILES 5
   MAXLOGMEMBERS 5
   MAXLOGHISTORY 1
   MAXDATAFILES 100
   MAXINSTANCES 1
   CHARACTER SET US7ASCII
   NATIONAL CHARACTER SET AL16UTF16
   DATAFILE '/oracle/oradata/MYSTEEL/system01.dbf' SIZE 325M REUSE
   EXTENT MANAGEMENT LOCAL
   SYSAUX DATAFILE '/oracle/oradata/MYSTEEL/sysaux01.dbf' SIZE 325M REUSE
   DEFAULT TABLESPACE users
      datafile '/oracle/oradata/MYSTEEL/users01.dbf'
      size 200M reuse autoextend on maxsize unlimited
   DEFAULT TEMPORARY TABLESPACE tempts1
      TEMPFILE '/oracle/oradata/MYSTEEL/temp01.dbf'
      SIZE 20M REUSE
   UNDO TABLESPACE undotbs1
      DATAFILE '/oracle/oradata/MYSTEEL/undotbs01.dbf'
      SIZE 200M REUSE AUTOEXTEND ON MAXSIZE UNLIMITED;
```

(不能直接参照10g官方文档里的，会报错，而且10g的报错信息很不详细，建库失败根本就没有报错信息，还得自己去告警日志里找错误信息，在到对应的跟踪文件里查看详细信息。。。)

参考 ： http://blog.chinaunix.net/uid-6984-id-3525636.html

oracle 10g 搭建DG ：

一、准备 ：

主库 ：

1. 开启归档
2. 开启强制日志写
3. 配置静态监听 listener.ora
4. 配置tnsnames.ora
5. 增加standby logfile
6. 修改参数文件

备库 ：

1. 配置静态监听 listener.ora
2. 配置tnsnames.ora
3. 拷贝主库参数文件，密码文件到备库
4. 修改备库参数文件
5. 根据参数文件内容在备库创建相应的目录

二、duplicate

主库 ：

做全库备份，加备库控制文件，归档日志

将全备考到备库

duplicate

over

参考 ：

http://blog.csdn.net/cscscscsc/article/details/50959738

http://lib.csdn.net/article/oracle/29720

backup full format '/oracle/archlog/ora10g_%d' database include current controlfile for standby plus archivelog format '/oracle/archlog/arch_%d';

backup full format='/oracle/archlog/full10g_%d_%T_%s' database include current controlfile for standby plus archivelog format='/oracle/archlog/arch_%d_%T_%s'

duplicate target database for standby nofilenamecheck dorecover;

RMAN备份报错 ：

RMAN> backup full format '/oracle/archlog/ora10g_%d_%T_%s' database include current controlfile for standby plus archivelog format '/oracle/archlog/arch_%d_%T_%s';

Starting backup at 12-JUL-17

current log archived

using channel ORA_DISK_1

using channel ORA_DISK_2

using channel ORA_DISK_3

RMAN-00571: ===

RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============

RMAN-00571: ===

RMAN-03002: failure of backup plus archivelog command at 07/12/2017 15:00:29

RMAN-06059: expected archived log not found, lost of archived log compromises recoverability

ORA-19625: error identifying file /oracle/archlog/1_5_949136264.arc

ORA-27037: unable to obtain file status

Linux-x86_64 Error: 2: No such file or directory

Additional information: 3

RMAN>

解决方法 ：

change archivelog all crosscheck;

delete expired archivelog all;

oracle 10g 静默安装oracle软件 ：

参考 ： http://linuxzqdn.blog.51cto.com/6158930/1763489

http://blog.csdn.net/chenrizhong/article/details/7035631

http://blog.csdn.net/bisal/article/details/51821856?locationNum=11

http://lib.csdn.net/article/oracle/29720

清除DG ：

主库 ：

alter database set standby database to maximize performance;

select protection_mode, protection_level from v$database;

alter system set log_archive_dest_state_2=defer;

shutdown immediate;

startup;

备库 ：

rman: target /

rman:shutdown immediate

sql:startup mount restrict

rman:drop database;

eg ：

RMAN> change archivelog all crosscheck;

using target database control file instead of recovery catalog

allocated channel: ORA_DISK_1

channel ORA_DISK_1: sid=304 devtype=DISK

allocated channel: ORA_DISK_2

channel ORA_DISK_2: sid=305 devtype=DISK

allocated channel: ORA_DISK_3

channel ORA_DISK_3: sid=306 devtype=DISK

validation succeeded for archived log

archive log filename=/oracle/archlog/1_7_949136264.arc recid=3 stamp=949157344

validation succeeded for archived log

archive log filename=/oracle/archlog/1_8_949136264.arc recid=4 stamp=949157817

validation succeeded for archived log

archive log filename=/oracle/archlog/1_9_949136264.arc recid=5 stamp=949157888

validation succeeded for archived log

archive log filename=/oracle/archlog/1_10_949136264.arc recid=6 stamp=949157919

validation succeeded for archived log

archive log filename=/oracle/archlog/1_11_949136264.arc recid=7 stamp=949158018

validation succeeded for archived log

archive log filename=/oracle/archlog/1_12_949136264.arc recid=8 stamp=949158029

Crosschecked 6 objects

validation failed for archived log

archive log filename=/oracle/archlog/1_5_949136264.arc recid=1 stamp=949156607

validation failed for archived log

archive log filename=/oracle/archlog/1_6_949136264.arc recid=2 stamp=949157071

Crosschecked 2 objects

```
RMAN>


RMAN> change archivelog all crosscheck;

using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: sid=304 devtype=DISK
allocated channel: ORA_DISK_2
channel ORA_DISK_2: sid=305 devtype=DISK
allocated channel: ORA_DISK_3
channel ORA_DISK_3: sid=306 devtype=DISK
validation succeeded for archived log
archive log filename=/oracle/archlog/1_7_949136264.arc recid=3 stamp=949157344
validation succeeded for archived log
archive log filename=/oracle/archlog/1_8_949136264.arc recid=4 stamp=949157817
validation succeeded for archived log
archive log filename=/oracle/archlog/1_9_949136264.arc recid=5 stamp=949157888
validation succeeded for archived log
archive log filename=/oracle/archlog/1_10_949136264.arc recid=6 stamp=949157919
validation succeeded for archived log
archive log filename=/oracle/archlog/1_11_949136264.arc recid=7 stamp=949158018
validation succeeded for archived log
archive log filename=/oracle/archlog/1_12_949136264.arc recid=8 stamp=949158029
Crosschecked 6 objects

validation failed for archived log
archive log filename=/oracle/archlog/1_5_949136264.arc recid=1 stamp=949156607
validation failed for archived log
archive log filename=/oracle/archlog/1_6_949136264.arc recid=2 stamp=949157071
Crosschecked 2 objects


RMAN>


RMAN> delete expired archivelog all;

released channel: ORA_DISK_1
released channel: ORA_DISK_2
released channel: ORA_DISK_3
allocated channel: ORA_DISK_1
channel ORA_DISK_1: sid=304 devtype=DISK
allocated channel: ORA_DISK_2
channel ORA_DISK_2: sid=305 devtype=DISK
allocated channel: ORA_DISK_3
channel ORA_DISK_3: sid=306 devtype=DISK

List of Archived Log Copies
Key     Thrd Seq     S Low Time  Name
------- ---- ------- - --------- ----
1       1    5       X 12-JUL-17 /oracle/archlog/1_5_949136264.arc
2       1    6       X 12-JUL-17 /oracle/archlog/1_6_949136264.arc

Do you really want to delete the above objects (enter YES or NO)? yes
deleted archive log
archive log filename=/oracle/archlog/1_5_949136264.arc recid=1 stamp=949156607
deleted archive log
```

archive log filename=/oracle/archlog/1_6_949136264.arc recid=2 stamp=949157071
Deleted 2 EXPIRED objects

RMAN>

查看归档文件格式 ：
show parameter log_archive_format (该参数修改需要重启生效)
alter system set log_archive_format='%t_%s_%r.arc' scope=spfile;
%t ： 线程号
%s ： 日志序列号
%r ： 重做日志的id

Oracle 10.2.0.3环境下的DG主备切换演练，关闭应用且重启主库之后，主库查询切换状态：
SQL> select switchover_status from v$database;
SWITCHOVER_STATUS

SESSIONS ACTIVE
执行以下命令尝试切换
SQL> ALTER DATABASE COMMIT TO SWITCHOVER TO PHYSICAL STANDBY;
报错如下：
ORA-01093: ALTER DATABASE CLOSE only permitted with no sessions connected
同时，alert日志报错很多SYSTEM 用户的进程未断开。
解决：
通过查MOS发现，是由于10g版本的DG会racgimon进程监控实例状态，因为可以从v$session.program看到许多racgimon进程.
SQL> alter database commit to switchover to PHYSICAL STANDBY WITH SESSION SHUTDOWN;

删库 ：
[oracle@vm-db-member2 ~]$ cat /oracle/database/app/10g/dbs/initMYSTEEL_ST.ora
DB_UNIQUE_NAME=MYSTEEL_ST
LOG_ARCHIVE_CONFIG='DG_CONFIG=(MYSTEEL_ST,MYSTEEL)'
LOG_ARCHIVE_DEST_1=
 'LOCATION=/oracle/archlog/
  VALID_FOR=(ALL_LOGFILES,ALL_ROLES)
  DB_UNIQUE_NAME=MYSTEEL_ST'
LOG_ARCHIVE_DEST_2=
 'SERVICE=MYSTEEL LGWR ASYNC
  VALID_FOR=(ONLINE_LOGFILES,PRIMARY_ROLE)
  DB_UNIQUE_NAME=MYSTEEL'
LOG_ARCHIVE_DEST_STATE_1=ENABLE
LOG_ARCHIVE_DEST_STATE_2=ENABLE
REMOTE_LOGIN_PASSWORDFILE=EXCLUSIVE
LOG_ARCHIVE_FORMAT=%t_%s_%r.arc
LOG_ARCHIVE_MAX_PROCESSES=30
FAL_SERVER=MYSTEEL
FAL_CLIENT=MYSTEEL_ST
DB_FILE_NAME_CONVERT='MYSTEEL','MYSTEEL_ST'
LOG_FILE_NAME_CONVERT='MYSTEEL','MYSTEEL_ST'
STANDBY_FILE_MANAGEMENT=AUTO

MYSTEEL_ST.__db_cache_size=6241124352
MYSTEEL_ST.__java_pool_size=16777216
MYSTEEL_ST.__large_pool_size=16777216
MYSTEEL_ST.__shared_pool_size=1191182336
MYSTEEL_ST.__streams_pool_size=0
*.audit_file_dest='/oracle/database/admin/MYSTEEL_ST/adump'
*.background_dump_dest='/oracle/database/admin/MYSTEEL_ST/bdump'

*.compatible='10.2.0.1.0'
*.control_files='/oracle/oradata/MYSTEEL_ST/control01.ctl','/oracle/oradata/MYSTEEL_ST/control02.ctl','/oracle/oradata/MYSTEEL_ST/control03.ctl'
*.core_dump_dest='/oracle/database/admin/MYSTEEL_ST/cdump'
*.db_block_size=8192
*.db_domain=''
*.db_file_multiblock_read_count=16
*.db_name='MYSTEEL'
*.db_recovery_file_dest='/oracle/database/flash_recovery_area'
*.db_recovery_file_dest_size=6442450944
*.dispatchers='(PROTOCOL=TCP) (SERVICE=MYSTEEL_STXDB)'
*.job_queue_processes=10
*.log_archive_dest_1='location=/oracle/archlog'
*.nls_language='SIMPLIFIED CHINESE'
*.nls_territory='CHINA'
*.open_cursors=300
*.pga_aggregate_target=2489319424
*.processes=350
*.remote_login_passwordfile='EXCLUSIVE'
*.sessions=390
*.sga_target=7469006848
*.undo_management='AUTO'
*.undo_tablespace='UNDOTBS1'
*.user_dump_dest='/oracle/database/admin/MYSTEEL_ST/udump'
根据参数文件删除相应数据目录下所有文件
[oracle@vm-db-member2 ~]$
[oracle@vm-db-member2 ~]$ rm -rf /oracle/database/admin/MYSTEEL_ST/adump/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/database/admin/MYSTEEL_ST/bdump/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/database/admin/MYSTEEL_ST/cdump/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/database/admin/MYSTEEL_ST/udump/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/oradata/MYSTEEL_ST/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/database/flash_recovery_area/*
[oracle@vm-db-member2 ~]$ rm -rf /oracle/archlog/*

一、准备 :
主库 :
1. 开启归档(OK)
2. 开启强制日志写(OK)
3. 配置静态监听 listener.ora
4. 配置tnsnames.ora(OK)
5. 增加standby logfile(OK)
6. 修改参数文件 (基本OK, 备份为 192.168.100.111:$ORACLE_HOME/dbs/initMYSTEEL.ora.bak)
备库 :
1. 配置静态监听 listener.ora
2. 配置tnsnames.ora
3. 拷贝主库参数文件，密码文件到备库
4. 修改备库参数文件
5. 根据参数文件内容在备库创建相应的目录
二、duplicate
主库 :
1. 做全库备份，加备库控制文件，归档日志
backup full format='/oracle/archlog/full10g_%d_%T_%s' database include current controlfile for standby plus archivelog format='/oracle/archlog/arch_%d_%T_%s';
2. 将主库的全备拷贝到备库
cd /oracle/archlog/
scp arch* 192.168.100.118:/oracle/archlog/

scp full* 192.168.100.118:/oracle/archlog/

3. 在主库duplicate 开始RMAN复制

rman target / auxiliary sys/oracle@mysteel_st

duplicate target database for standby nofilenamecheck dorecover;

4. 备库创建standby redo log并recover, 在主库写数据并在备库测试看能否查到

备库 ：

ALTER DATABASE ADD STANDBY LOGFILE '/oracle/oradata/MYSTEEL/redo04.log' size 50M;

ALTER DATABASE ADD STANDBY LOGFILE '/oracle/oradata/MYSTEEL/redo05.log' size 50M;

ALTER DATABASE ADD STANDBY LOGFILE '/oracle/oradata/MYSTEEL/redo06.log' size 50M;

ALTER DATABASE ADD STANDBY LOGFILE '/oracle/oradata/MYSTEEL/redo07.log' size 50M;

over

archive log thread 1 sequence 155478 is already on disk as file /oracle/archlog/1_155478_783618130.arc

archive log thread 1 sequence 155479 is already on disk as file /oracle/archlog/1_155479_783618130.arc

archive log thread 1 sequence 155480 is already on disk as file /oracle/archlog/1_155480_783618130.arc

Oracle Error:

ORA-01547: warning: RECOVER succeeded but OPEN RESETLOGS would get error below

ORA-01194: file 1 needs more recovery to be consistent

ORA-01110: data file 1: '/oracle/oradata/MYSTEEL_ST/system01.dbf'

RMAN-00571: ===

RMAN-00569: =============== ERROR MESSAGE STACK FOLLOWS ===============

RMAN-00571: ===

RMAN-03002: failure of Duplicate Db command at 07/15/2017 21:11:23

RMAN-03015: error occurred in stored script Memory Script

RMAN-06053: unable to perform media recovery because of missing log

RMAN-06025: no backup of log thread 1 seq 155481 lowscn 2984499547 found to restore