

**APPLIES TO:**

DATABASE REFRESH

**SUMMARY**

This article explains how to perform the Database-Refresh.

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### DATA BASE REFRESH/SYSTEM REFRESH:

It is the process of refreshing the existing system in the landscape with a copy of existing system.

#### Pre steps:

There are certain dependencies of the target system which need to be restored after the system is built. The copy of those settings needs to be taken as a backup to restore them after system is built.

EX: SLICENCE, SU01, PFCG, RZ10, SCC4, STMS, RFC CONNECTIONS, Z PROGRAMS, BTC JOBS, OPERATION MODES, SALE, SPAD, SMLG, RZ12.

#### Activities on the source system:

1. Backup the system to tape/Disk (it is a normal activity on the production)
2. Generate a control file “ **alter database backup controlfile to trace;**”  
Trace file is generated in “ **saptrace/usertrace** ”

```
[root@willsys90 sapbackup]# su oraw90
willsys90:oraw90 32> sqlplus / as sysdba

SQL*Plus: Release 10.2.0.2.0 - Production on Sun Jan 18 13:25:44 2015

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Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options

SQL> █
```

```
[root@willsys90 sapbackup]# su oraw90
willsys90:oraw90 32> sqlplus / as sysdba

SQL*Plus: Release 10.2.0.2.0 - Production on Sun Jan 18 13:25:44 2015

Copyright (c) 1982, 2005, Oracle. All Rights Reserved.
```

```
Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options
```

```
SQL> alter database backup controlfile to trace;[]
```

```
Database altered.
```

```
SQL> []
```

```
SQL> date
SP2-0042: unknown command "date" - rest of line ignored.
SQL> !date
Sun Jan 18 13:27:25 IST 2015
```

```
SQL> []
```

```
SQL> exit
Disconnected from Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options
willsys90:oraw90 33> cd /oracle/W90/saptrace/usertrace/
willsys90:oraw90 34> ll
total 1108
-rw-r----- 1 oraw90 dba    2120 Dec 23 12:57 w90_ora_10461.trc
-rw-r----- 1 oraw90 dba     584 Dec 23 12:58 w90_ora_10747.trc
-rw-r----- 1 oraw90 dba     641 Dec 23 12:58 w90_ora_10818.trc
-rw-r----- 1 oraw90 dba 435538 Nov 20 18:17 w90_ora_11521.trc
-rw-r----- 1 oraw90 dba    3209 Jan  9 09:09 w90_ora_14239.trc
-rw-r----- 1 oraw90 dba     584 Jan  9 09:09 w90_ora_15383.trc
-rw-r----- 1 oraw90 dba     871 Jan  9 09:10 w90_ora_15410.trc
-rw-r----- 1 oraw90 dba     584 Jan  9 09:11 w90_ora_15459.trc
-rw-r----- 1 oraw90 dba    9923 Jan  9 09:14 w90_ora_15482.trc
-rw-r----- 1 oraw90 dba     612 Dec 10 15:27 w90_ora_21227.trc
```

```
-rw-r----- 1 oraw90 dba 9923 Jan 9 09:14 w90_ora_15482.trc
-rw-r----- 1 oraw90 dba 612 Dec 19 15:27 w90_ora_21227.trc
-rw-r----- 1 oraw90 dba 641 Dec 19 15:27 w90_ora_21252.trc
-rw-r----- 1 oraw90 dba 2068 Dec 19 15:27 w90_ora_21253.trc
-rw-r----- 1 oraw90 dba 612 Nov 27 11:57 w90_ora_27540.trc
-rw-r----- 1 oraw90 dba 641 Nov 27 11:57 w90_ora_27565.trc
-rw-r----- 1 oraw90 dba 2062 Nov 27 11:57 w90_ora_27566.trc
-rw-r----- 1 oraw90 dba 9825 Jan 18 13:26 w90_ora_27797.trc
-rw-r----- 1 oraw90 dba 610 Nov 28 11:23 w90_ora_3765.trc
-rw-r----- 1 oraw90 dba 639 Nov 28 11:23 w90_ora_3788.trc
-rw-r----- 1 oraw90 dba 2105 Nov 28 11:23 w90_ora_3789.trc
-rw-r----- 1 oraw90 dba 582 Nov 29 11:54 w90_ora_3805.trc
-rw-r----- 1 oraw90 dba 639 Nov 29 11:54 w90_ora_3828.trc
-rw-r----- 1 oraw90 dba 2060 Nov 29 11:54 w90_ora_3830.trc
-rw-r----- 1 oraw90 dba 610 Dec 2 11:33 w90_ora_4086.trc
-rw-r----- 1 oraw90 dba 639 Dec 2 11:33 w90_ora_4110.trc
```

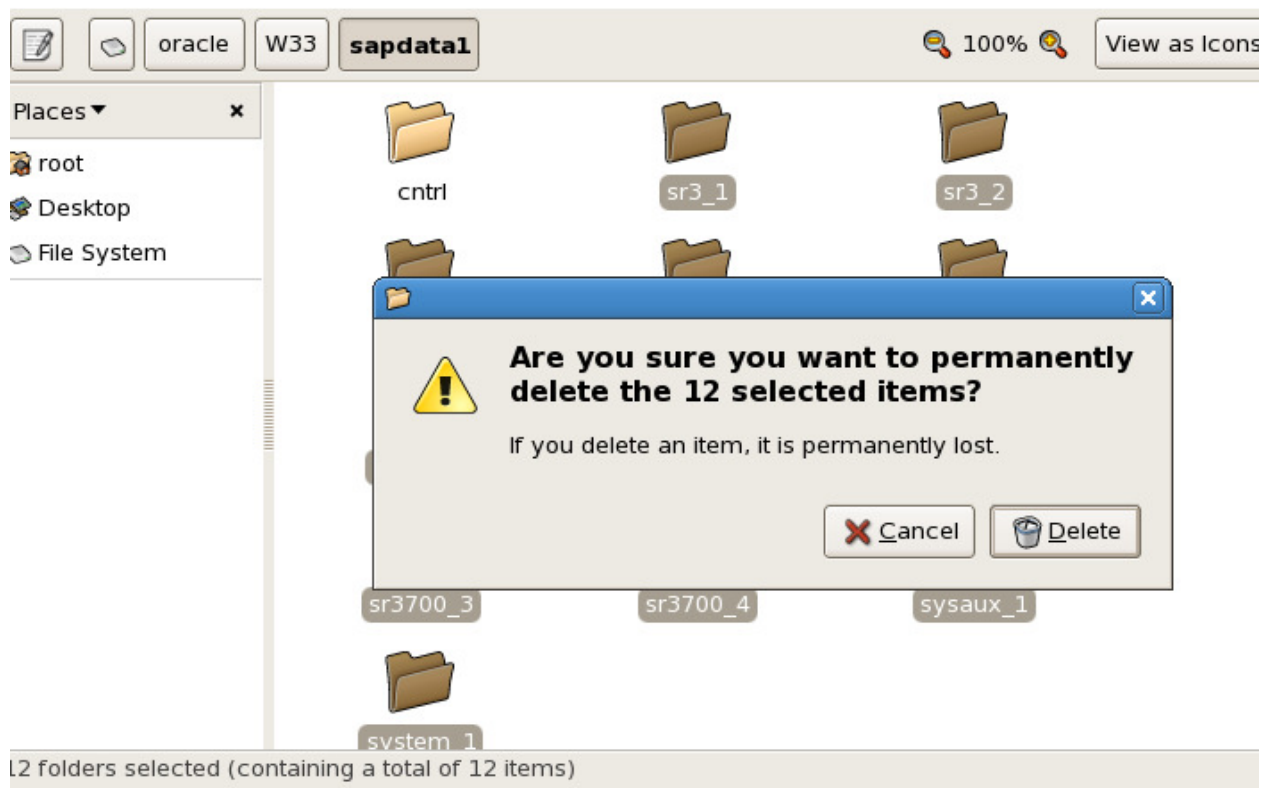
### STEPS ON TARGET SYSTEM:

1. Setup (OS/DB/SAP) (or) use the existing system.
2. Stop the sap system and database and clean the sapdata \* directories.
3. Copy the backup to sapbackup directory/ point the brrestore to tape maintain the parameters in "init<SID>.uti" file. This is used to maintain the details of tape and tape location and name from **initSID.sap**.
4. Use command brrestore (brrestore -m full -b <filename> -c) to restore the database.
5. Up on restore start the database with a new control file (edit the control file which is copied from source system) change the source<SID> to target <SID> and rename the **trace file** as "**control.sql**" delete the content before "**startup nomount**" and delete after "characteristics ;"
6. Start the database in nomount mode (sqlplus> startup nomount;)
7. Generate a new control file (SQL>**@control.sql**;) (check for the message control file is created) use the following command to recover the database based on requirement alter the database status to mount mode for recovery.  
**SQL> alter database mount;**
8. Recover the database using backup controlfile until cancel;
9. Cancel the recovery and start the database by using command  
**SQL> alter database open resetlogs;**
10. Execute R3trans -d and analyses the "**trans.log**" error file.
11. Set the profile parameter to rdisp/wp\_no\_btc=0; rdisp/btctime=0 and start the SAPsystem. So, that none of the btc jobs are triggered in the target system.

12. Delete the data / truncate the tables that are not required. (btc tables, rfc tables, sale, slicense....)
13. Apply the license and configure the systems according to presteps.

### RESTORE:

→Delete the data in sapdata \* directories and origlogA,B and mirrlogA,B. except control files in sapdata1, origlog A and origlog B.



Copy the source system backup in to the target system in `/oracle/SID/sapbackup`



```
root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
[root@willsys38 Desktop]# cd /oracle/W38/sapbackup/
[root@willsys38 sapbackup]# ll
total 158712
-rwxr-xr-x 1 root root    211 Jan 10  2015 backW90.log
drwxr-xr-x 2 root root   4096 Jan 10  2015 bepphbtb
-rwxr-xr-x 1 root root 34224 Jan 10  2015 bepphbtb.and
drwxr-xr-x 2 root root   4096 Jan 10  2015 W90
```

Give the permissions and ownerships to sapbackup folder

```
[root@willsys38 sapbackup]# chmod -R 775 *
[root@willsys38 sapbackup]# chown -R oraw38:dba *
[root@willsys38 sapbackup]#
```

```
[root@willsys38 sapbackup]# chmod -R 775 *
[root@willsys38 sapbackup]# chown -R oraw38:dba *
[root@willsys38 sapbackup]# ll
total 158712
-rwxrwxr-x 1 oraw38 dba    211 Jan 10  2015 backW90.log
drwxrwxr-x 2 oraw38 dba   4096 Jan 10  2015 bepphbtb
-rwxrwxr-x 1 oraw38 dba 34224 Jan 10  2015 bepphbtb.and
drwxrwxr-x 2 oraw38 dba   4096 Jan 10  2015 W90
```

```
[root@willsys38 sapbackup]# cd bepphbtb
[root@willsys38 bepphbtb]# ll
total 10525164
-rwxrwxr-x 1 oraw38 dba      42791 Jan 10  2015 cntrlW90.dbf.Z
-rwxrwxr-x 1 oraw38 dba  411844291 Jan 10  2015 sr3700.data10.Z
-rwxrwxr-x 1 oraw38 dba  460384167 Jan 10  2015 sr3700.data11.Z
-rwxrwxr-x 1 oraw38 dba  448693837 Jan 10  2015 sr3700.data12.Z
-rwxrwxr-x 1 oraw38 dba  410140360 Jan 10  2015 sr3700.data13.Z
-rwxrwxr-x 1 oraw38 dba  454376460 Jan 10  2015 sr3700.data14.Z
-rwxrwxr-x 1 oraw38 dba  445233128 Jan 10  2015 sr3700.data15.Z
-rwxrwxr-x 1 oraw38 dba  435220385 Jan 10  2015 sr3700.data16.Z
-rwxrwxr-x 1 oraw38 dba  463325114 Jan 10  2015 sr3700.data1.Z
-rwxrwxr-x 1 oraw38 dba  465863329 Jan 10  2015 sr3700.data2.Z
-rwxrwxr-x 1 oraw38 dba  437882517 Jan 10  2015 sr3700.data3.Z
-rwxrwxr-x 1 oraw38 dba  392099655 Jan 10  2015 sr3700.data4.Z
-rwxrwxr-x 1 oraw38 dba  390695884 Jan 10  2015 sr3700.data5.Z
```

Rename source system file (cntrlW90.dbf.Z) as target system file (cntrlW38.dbf.Z)

“mv cntrlW90.dbf.z cntrlW38.dbf.z”

```
[root@willsys38 bepphbtb]# mv cntrlW90.dbf.Z cntrlW38.dbf.Z
[root@willsys38 bepphbtb]# ll
total 10525164
-rwxrwxr-x 1 oraw38 dba      42791 Jan 10  2015 cntrlW38.dbf.Z
-rwxrwxr-x 1 oraw38 dba  411844291 Jan 10  2015 sr3700.data10.Z
-rwxrwxr-x 1 oraw38 dba  460384167 Jan 10  2015 sr3700.data11.Z
-rwxrwxr-x 1 oraw38 dba  448693837 Jan 10  2015 sr3700.data12.Z
-rwxrwxr-x 1 oraw38 dba  410140360 Jan 10  2015 sr3700.data13.Z
-rwxrwxr-x 1 oraw38 dba  454376460 Jan 10  2015 sr3700.data14.Z
-rwxrwxr-x 1 oraw38 dba  445233128 Jan 10  2015 sr3700.data15.Z
-rwxrwxr-x 1 oraw38 dba  435220385 Jan 10  2015 sr3700.data16.Z
-rwxrwxr-x 1 oraw38 dba  463325114 Jan 10  2015 sr3700.data1.Z
-rwxrwxr-x 1 oraw38 dba  465863329 Jan 10  2015 sr3700.data2.Z
-rwxrwxr-x 1 oraw38 dba  437882517 Jan 10  2015 sr3700.data3.Z
-rwxrwxr-x 1 oraw38 dba  392099655 Jan 10  2015 sr3700.data4.Z
-rwxrwxr-x 1 oraw38 dba  390695884 Jan 10  2015 sr3700.data5.Z
```

go to sapbackup folder → cd /oracle/SID/sapbackup

Edit .and file

root@willsys38 sapbackup]# vi bepphbtb.and

```

root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
[root@willsys38 bepphbtb]# cd ..
[root@willsys38 sapbackup]# vi bepphbtb.and
  
```

```

root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
BR0051I BRBACKUP 7.00 (24)
BR0055I Start of database backup: bepphbtb.and 2015-01-10 09.33.07
BR0484I BRBACKUP log file: /oracle/W90/sapbackup/bepphbtb.and
BR0477I Oracle pfile /oracle/W90/102_32/dbs/initW90.ora created from spfile /oracle/W90/102_32/db
s/spfileW90.ora

BR0280I BRBACKUP time stamp: 2015-01-10 09.33.16
BR0319I Control file copy created: /oracle/W90/sapbackup/cntrlW90.dbf 12664832

BR0101I Parameters

Name                               Value

oracle_sid                          W90
oracle_home                          /oracle/W90/102_32
oracle_profile                       /oracle/W90/102_32/dbs/initW90.ora
sapdata_home                         /oracle/W90
sap_profile                           /oracle/W90/102_32/dbs/initW90.sap
backup_mode                          ALL
backup_type                          online
backup_dev_type                      disk
backup_root_dir                      /oracle/W90/sapbackup
compress                             yes
compress_cmd                        gzip -c $ > $
exec_parallel                        0
system_info                          oraw90/oraw90 willsys90 Linux 2.6.18-164.el5 #1 SMP Tue Aug 18 15:
51:54 EDT 2009 1686
oracle_info                          W90 10.2.0.2.0 8192 912 9017691 willsys90 UTF8 UTF8
"bepphbtb.and" 659L, 34224C
  
```

Replace old system SID(W90) with target system SID(W38)  
 By using the command  
**ESC+shift :%S/W90/W38/g**



```
root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
BR0051I BRBACKUP 7.00 (24)
BR0055I Start of database backup: bepphbtb.and 2015-01-10 09.33.07
BR0484I BRBACKUP log file: /oracle/W90/sapbackup/bepphbtb.and
BR0477I Oracle pfile /oracle/W90/102_32/dbs/initW90.ora created from spfile /oracle/W90/102_32/dbs/spfileW90.ora

BR0280I BRBACKUP time stamp: 2015-01-10 09.33.16
BR0319I Control file copy created: /oracle/W90/sapbackup/cntrlW90.dbf 12664832

BR0101I Parameters

Name                               Value

oracle_sid                          W90
oracle_home                          /oracle/W90/102_32
oracle_profile                       /oracle/W90/102_32/dbs/initW90.ora
sapdata_home                         /oracle/W90
sap_profile                           /oracle/W90/102_32/dbs/initW90.sap
backup_mode                           ALL
backup_type                           online
backup_dev_type                       disk
backup_root_dir                      /oracle/W90/sapbackup
compress                              yes
compress_cmd                          gzip -c $ > $
exec_parallel                          0
system_info                           oraw90/oraw90 willsys90 Linux 2.6.18-164.el5 #1 SMP Tue Aug 18 15:
51:54 EDT 2009 1686
oracle info                            W90 10.2.0.2.0 8192 912 9017691 willsys90 UTF8 UTF8
:~s/W90/W38/g
```

```
root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
BR0117I ARCHIVE LOG LIST after backup for database instance W38

Parameter                                Value

Database log mode                        Archive Mode
Automatic archival                       Enabled
Archive destination                      /oracle/W38/oraarch/W38arch
Archive format                            %t_%s_%r.dbf
Oldest online log sequence               910
Next log sequence to archive             913
Current log sequence                     913          SCN: 9039018
Database block size                      8192          Thread: 1
Current system change number             9039020       ResetId: 864132502

BR0202I Saving space_log
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0202I Saving /oracle/W38/sapbackup/bepphbtb.and
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0202I Saving /oracle/W38/sapbackup/backW38.log
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0115I Compression rate for all files 8.1489:1

BR0056I End of database backup: bep-phbtb.and 2015-01-10 10.37.46
BR0280I BRBACKUP time stamp: 2015-01-10 10.37.47
BR0052I BRBACKUP completed successfully
```

```
Parameter                                Value
Database log mode                        Archive Mode
Automatic archival                       Enabled
Archive destination                       /oracle/W38/oraarch/W38arch
Archive format                            %t_%s_%r.dbf
Oldest online log sequence               910
Next log sequence to archive             913
Current log sequence                      913          SCN: 9039018
Database block size                      8192          Thread: 1
Current system change number             9039020       ResetId: 864132502

BR0202I Saving space_log
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0202I Saving /oracle/W38/sapbackup/bepphbtb.and
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0202I Saving /oracle/W38/sapbackup/backW38.log
BR0203I to /oracle/W38/sapbackup/W38 ...

BR0115I Compression rate for all files 8.1489:1

BR0056I End of database backup: bepphbtb.and 2015-01-10 10.37.46
BR0280I BRBACKUP time stamp: 2015-01-10 10.37.47
BR0052I BRBACKUP completed successfully
:%s/willsys90/willsys38/g
```

Replace old system hostname(willsys90) with target system hostname(willsys38)  
By using the command  
**ESC+shift :%S/willsys90/willsys38/g**

```

oracle_home           /oracle/W38/102_32
oracle_profile        /oracle/W38/102_32/dbs/initW38.ora
sapdata_home          /oracle/W38
sap_profile            /oracle/W38/102_32/dbs/initW38.sap
backup_mode           ALL
backup_type           online
backup_dev_type       disk
backup_root_dir       /oracle/W38/sapbackup
compress              yes
compress_cmd          gzip -c $ > $
exec_parallel         0
system_info           oraw90/oraw90 willsys38 Linux 2.6.18-164.el5 #1 SMP 1
51:54 EDT 2009 1686
oracle_info           W38 10.2.0.2.0 8192 912 9017691 willsys38 UTF8 UTF8
sap_info              700 SAPSR3 W38 N0589467060 R3_BASIS 1234567890
make_info             linuxintel OCI_102 Apr 21 2007
command_line          /usr/sap/W38/SYS/exe/run/brbackup -p initW38.sap -d c
-m all -k yes -e 0 -l E -U

```

BR0116I ARCHIVE LOG LIST before backup for database instance W38

Parameter	Value
Database log mode	Archive Mode
Automatic archival	Enabled
Archive destination	/oracle/W38/oraarch/W38arch
Archive format	%t_%s_%r.dbf
Oldest online log sequence	909
:wq!	

Save the file by using “:wq!”

Go to the dbs folder → **cd /oracle/SID/102\_32/dbs**

```

root@willsys38:/oracle/W38/102_32/dbs
File Edit View Terminal Tabs Help
[root@willsys38 bepphbtb]# cd ..
[root@willsys38 sapbackup]# vi bepphbtb.and
[root@willsys38 sapbackup]# cd /oracle/W38/102_32/dbs
[root@willsys38 dbs]#

```

```
[root@willsys38 bepphbtb]# cd ..
[root@willsys38 sapbackup]# vi bepphbtb.and
[root@willsys38 sapbackup]# cd /oracle/W38/102_32/dbs
[root@willsys38 dbs]# ll
total 188
-rw-rw---- 1 oraw38 dba      1544 Nov 19  2014 hc_W38.dat
-rw-r----- 1 oraw38 dba    12920 May  3  2001 initdw.ora
-rw-r----- 1 oraw38 dba     8385 Sep 11  1998 init.ora
-rw-r----- 1 root  sapinst  3829 Nov 19  2014 initW38.1.ora
-rw-r-x--- 1 root  sapinst  4290 Nov 19  2014 initW38.2.ora
-rw-r-xr-x 1 oraw38 dba    20102 Aug 28  2011 initW38.dba
-rw-r-xr-x 1 oraw38 dba     1716 Jan  4  2015 initW38.ora
-rw-r-x--- 1 root  sapinst  4430 Nov 19  2014 initW38.ora.SAPINST-ORIG
-rw-r-xr-x 1 oraw38 dba    20675 Jan  2  2015 initW38.sap
-rw-r--r-- 1 oraw38 dba    20674 Nov 19  2014 initW38.sap~
-rw-rw---- 1 oraw38 dba       24 Nov 19  2014 lkW38
-rw-r----- 1 oraw38 dba     2048 Nov 19  2014 orapwW38
-rw-r----- 1 oraw38 dba     3584 Nov 19  2014 spfileW38.ora
[root@willsys38 dbs]#
```

Edit **initSID.sap** file

```
root@willsys38 dbs]#Vi initSID.sap
```

```
[root@willsys38 ~]# cd /oracle/W38/102_32/dbs
[root@willsys38 dbs]# ll
total 188
-rw-rw---- 1 oraw38 dba      1544 Nov 19  2014 hc_W38.dat
-rw-r----- 1 oraw38 dba    12920 May  3  2001 initdw.ora
-rw-r----- 1 oraw38 dba     8385 Sep 11  1998 init.ora
-rw-r----- 1 root  sapinst  3829 Nov 19  2014 initW38.1.ora
-rw-r-x--- 1 root  sapinst  4290 Nov 19  2014 initW38.2.ora
-rw-r-xr-x 1 oraw38 dba    20102 Aug 28  2011 initW38.dba
-rw-r-xr-x 1 oraw38 dba     1716 Jan  4  2015 initW38.ora
-rw-r-x--- 1 root  sapinst  4430 Nov 19  2014 initW38.ora.SAPINST-ORIG
-rw-r-xr-x 1 oraw38 dba    20675 Jan  2  2015 initW38.sap
-rw-r--r-- 1 oraw38 dba    20674 Nov 19  2014 initW38.sap~
-rw-rw---- 1 oraw38 dba       24 Nov 19  2014 lkW38
-rw-r----- 1 oraw38 dba     2048 Nov 19  2014 orapwW38
-rw-r----- 1 oraw38 dba     3584 Nov 19  2014 spfileW38.ora
[root@willsys38 dbs]# vi initW38.sap
```

```
File Edit View Terminal Tabs Help
@(#) $Id: //bas/700_REL/src/ccm/rsbr/initLIN.sap#9 $ SAP
#####
#
# SAP BR*Tools sample profile.
# The parameter syntax is the same as for init.ora parameters.
# Enclose parameter values which consist of more than one symbol in
# double quotes.
# After any symbol, parameter definition can be continued on the next
# line.
# A parameter value list should be enclosed in parentheses, the list
# items should be delimited by commas.
# There can be any number of white spaces (blanks, tabs and new lines)
# between symbols in parameter definition.
# Comment lines must start with a hash character.
#
#####
# backup mode [all | all_data | full | incr | sap_dir | ora_dir
# | all_dir | <tablespace_name> | <file_id> | <file_id1>-<file_id2>
# | <generic_path> | (<object_list>)]
# default: all
backup_mode = all
# restore mode [all | all_data | full | incr | incr_only | incr_full
# | incr_all | <tablespace_name> | <file_id> | <file_id1>-<file_id2>
"initW38.sap" 531L, 20675C
```

Check “backup\_mode (all), device type (disk), backup type (online), compress mode (yes)”

```
File Edit View Terminal Tabs Help
#####
# backup mode [all | all_data | full | incr | sap_dir | ora_dir
# | all_dir | <tablespace_name> | <file_id> | <file_id1>--<file_id2>
# | <generic_path> | (<object_list>)]
# default: all
backup_mode = all
# restore mode [all | all_data | full | incr | incr_only | incr_full
# | incr_all | <tablespace_name> | <file_id> | <file_id1>--<file_id2>
# | <generic_path> | (<object_list>) | partial | non_db
# redirection with '=' is not supported here - use option '-m' instead
# default: all
restore_mode = all
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = offline
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
-- INSERT --
```

```
File Edit View Terminal Tabs Help
#####
# backup mode [all | all_data | full | incr | sap_dir | ora_dir
# | all_dir | <tablespace_name> | <file_id> | <file_id1>--<file_id2>
# | <generic_path> | (<object_list>)]
# default: all
backup_mode = all
# restore mode [all | all_data | full | incr | incr_only | incr_full
# | incr_all | <tablespace_name> | <file_id> | <file_id1>--<file_id2>
# | <generic_path> | (<object_list>) | partial | non_db
# redirection with '=' is not supported here - use option '-m' instead
# default: all
restore_mode = all
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = online
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
-- INSERT --
```



```
# default: all
backup_mode = all
# restore mode [all | all_data | full | incr | incr_only | incr_full
# | incr_all | <tablespace_name> | <file_id> | <file_id1>-<file_id2>
# | <generic_path> | (<object_list>) | partial | non_db
# redirection with '=' is not supported here - use option '-m' instead
# default: all
restore_mode = all
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = online
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
backup_dev_type = tape
# backup root directory [<path_name> | (<path_name_list>)]
# default: $SAPDATA_HOME/sapbackup
backup_root_dir = /oracle/W33/sapbackup
-- INSERT --
```

```
# default: all
backup_mode = all
# restore mode [all | all_data | full | incr | incr_only | incr_full
# | incr_all | <tablespace_name> | <file_id> | <file_id1>--<file_id2>
# | <generic_path> | (<object_list>) | partial | non_db
# redirection with '=' is not supported here - use option '-m' instead
# default: all
restore_mode = all
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = online
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
backup_dev_type = disk
# backup root directory [<path_name> | (<path_name_list>)]
# default: $SAPDATA_HOME/sapbackup
backup_root_dir = /oracle/W33/sapbackup
-- INSERT --
```

```
File Edit View Terminal Tabs Help
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = online
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
backup_dev_type = disk
# backup root directory [<path_name> | (<path_name_list>)]
# default: $SAPDATA_HOME/sapbackup
backup_root_dir = /oracle/W33/sapbackup
# stage root directory [<path_name> | (<path_name_list>)]
# default: value of the backup_root_dir parameter
stage_root_dir = /oracle/W33/sapbackup
# compression flag [no | yes | hardware | only]
# default: no
compress = no
# compress command
# first $-character is replaced by the source file name
-- INSERT --
```

```
File Edit View Terminal Tabs Help
# backup type [offline | offline_force | offline_standby | offline_split
# | offline_mirror | offline_stop | online | online_cons | online_split
# | online_mirror | online_standby | offstby_split | offstby_mirror
# default: offline
backup_type = online
# backup device type
# [tape | tape_auto | tape_box | pipe | pipe_auto | pipe_box | disk
# | disk_copy | disk_standby | stage | stage_copy | stage_standby
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
backup_dev_type = disk
# backup root directory [<path_name> | (<path_name_list>)]
# default: $SAPDATA_HOME/sapbackup
backup_root_dir = /oracle/W33/sapbackup
# stage root directory [<path_name> | (<path_name_list>)]
# default: value of the backup_root_dir parameter
stage_root_dir = /oracle/W33/sapbackup
# compression flag [no | yes | hardware | only]
# default: no
compress = yes
# compress command
# first $-character is replaced by the source file name
-- INSERT --
```

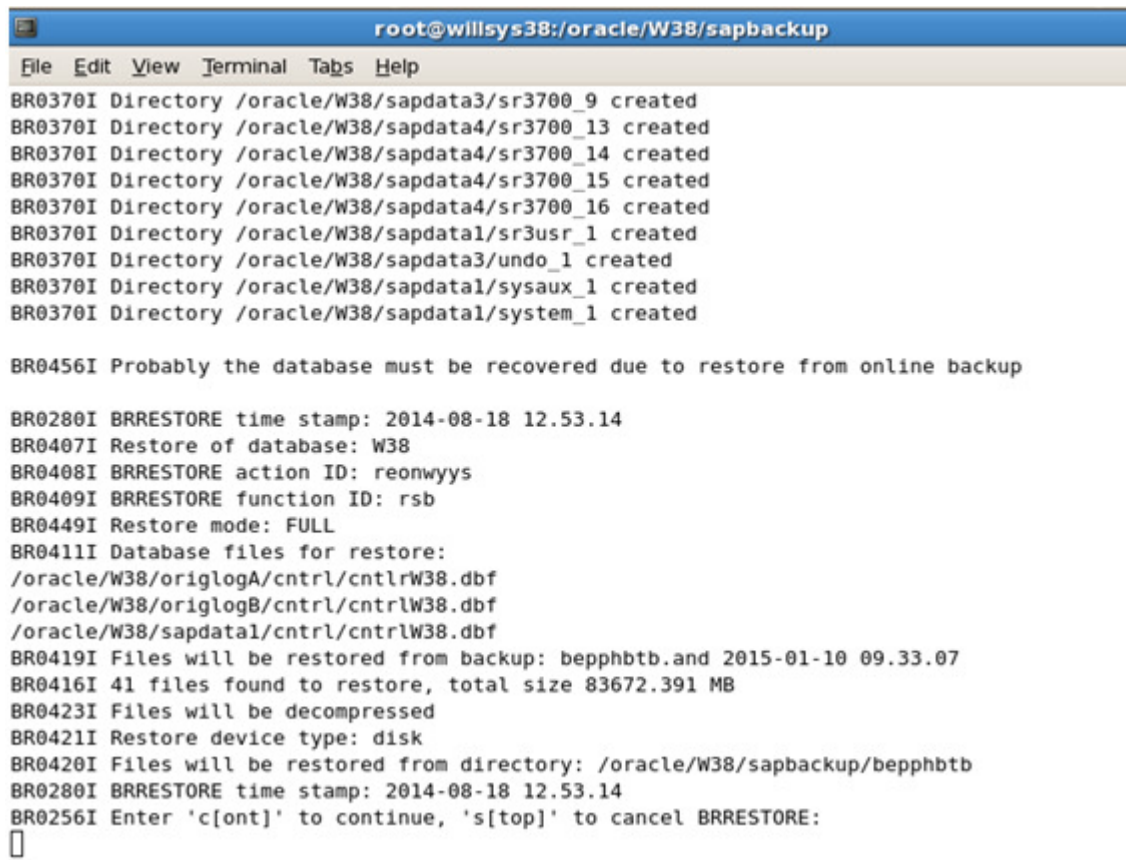
```
File Edit View Terminal Tabs Help
# | util_file | util_file_online | rman_util | rman_disk | rman_stage
# | rman_prep]
# default: tape
backup_dev_type = disk
# backup root directory [<path_name> | (<path_name_list>)]
# default: $SAPDATA_HOME/sapbackup
backup_root_dir = /oracle/W33/sapbackup
# stage root directory [<path_name> | (<path_name_list>)]
# default: value of the backup_root_dir parameter
stage_root_dir = /oracle/W33/sapbackup
# compression flag [no | yes | hardware | only]
# default: no
compress = yes
# compress command
# first $-character is replaced by the source file name
# second $-character is replaced by the target file name
# <target_file_name> = <source_file_name>.Z
# for compress command the -c option must be set
# recommended setting for brbackup -k only run:
# "compress -b 12 -c $ > $"
# no default
compress_cmd = "gzip -c $ > $"
# uncompress command
:wq!
```

```
File Edit View Terminal Tabs Help
[root@willsys33 sapbackup]# pwd
/oracle/W33/sapbackup
[root@willsys33 sapbackup]# su - oraw33
willsys33:oraw33 11> cd /oracle/W33/sapbackup/
willsys33:oraw33 12> █
```

```
File Edit View Terminal Tabs Help
willsys33:oraw33 14> brrestore -m full -b bepuwkjn.and -c
```

Now restore the data by logging in to the oracle user (su – ora38) using restore command “**brrestore –m full –b beppxx.and –c**”

```
~]#su – oraw38
Oraw38>Cd /oracle/SID/sapbackup/
Oraw39>pwd
Oraw40>ll
Oraw41> brrestore –m full –b beppxx.and -c
```



```
root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
BR0370I Directory /oracle/W38/sapdata3/sr3700_9 created
BR0370I Directory /oracle/W38/sapdata4/sr3700_13 created
BR0370I Directory /oracle/W38/sapdata4/sr3700_14 created
BR0370I Directory /oracle/W38/sapdata4/sr3700_15 created
BR0370I Directory /oracle/W38/sapdata4/sr3700_16 created
BR0370I Directory /oracle/W38/sapdata1/sr3usr_1 created
BR0370I Directory /oracle/W38/sapdata3/undo_1 created
BR0370I Directory /oracle/W38/sapdata1/sysaux_1 created
BR0370I Directory /oracle/W38/sapdata1/system_1 created

BR0456I Probably the database must be recovered due to restore from online backup

BR0280I BRRESTORE time stamp: 2014-08-18 12.53.14
BR0407I Restore of database: W38
BR0408I BRRESTORE action ID: reonwyys
BR0409I BRRESTORE function ID: rsb
BR0449I Restore mode: FULL
BR0411I Database files for restore:
/oracle/W38/origlogA/cntrl/cntrlW38.dbf
/oracle/W38/origlogB/cntrl/cntrlW38.dbf
/oracle/W38/sapdata1/cntrl/cntrlW38.dbf
BR0419I Files will be restored from backup: bepphbtb.and 2015-01-10 09.33.07
BR0416I 41 files found to restore, total size 83672.391 MB
BR0423I Files will be decompressed
BR0421I Restore device type: disk
BR0420I Files will be restored from directory: /oracle/W38/sapbackup/bepphbtb
BR0280I BRRESTORE time stamp: 2014-08-18 12.53.14
BR0256I Enter 'c[ont]' to continue, 's[top]' to cancel BRRESTORE:
□
```

Enter ‘C’ to continue

```
BR0370I Directory /oracle/W38/sapdata/system_1 created
BR0456I Probably the database must be recovered due to restore from online backup
BR0280I BRRESTORE time stamp: 2014-08-18 12.53.14
BR0407I Restore of database: W38
BR0408I BRRESTORE action ID: reonwyys
BR0409I BRRESTORE function ID: rsb
BR0449I Restore mode: FULL
BR0411I Database files for restore:
/oracle/W38/origlogA/cntrl/cntrlW38.dbf
/oracle/W38/origlogB/cntrl/cntrlW38.dbf
/oracle/W38/sapdata/cntrl/cntrlW38.dbf
BR0419I Files will be restored from backup: bepphbtb.and 2015-01-10 09.33.07
BR0416I 41 files found to restore, total size 83672.391 MB
BR0423I Files will be decompressed
BR0421I Restore device type: disk
BR0420I Files will be restored from directory: /oracle/W38/sapbackup/bepphbtb
BR0280I BRRESTORE time stamp: 2014-08-18 12.53.14
BR0256I Enter 'c[ont]' to continue, 's[top]' to cancel BRRESTORE:
c
BR0280I BRRESTORE time stamp: 2014-08-18 12.53.26
BR0257I Your reply: 'c'
BR0259I Program execution will be continued...
BR0126I Unattended mode active - no operator confirmation required

BR0352I Decompressing /oracle/W38/sapdata/sr3_1/sr3.data1
BR0355I from /oracle/W38/sapbackup/bepphbtb/sr3.data1.Z ...
□
```

```
File Edit View Terminal Tabs Help
BR0280I BRRESTORE time stamp: 2014-08-18 13.37.34
BR0418I 40 of 41 files restored - 83660.312 MB of 83672.391 MB done
BR0204I Percentage done: 99.99%, estimated end time: 13:37
BR0001I *****

BR0352I Decompressing /oracle/W38/sapbackup/cntrlW38.dbf
BR0355I from /oracle/W38/sapbackup/bepphbtb/cntrlW38.dbf.Z ...

#FILE.... /oracle/W38/sapbackup/cntrlW38.dbf
#RESTORED. /oracle/W38/sapbackup/bepphbtb/cntrlW38.dbf.Z #1/41

BR0280I BRRESTORE time stamp: 2014-08-18 13.37.35
BR0418I 41 of 41 files restored - 83672.391 MB of 83672.391 MB done
BR0204I Percentage done: 100.00%, estimated end time: 13:37
BR0001I *****

BR0351I Restoring /oracle/W38/origlogA/cntrl/cntrlW38.dbf
BR0355I from /oracle/W38/sapbackup/cntrlW38.dbf ...

BR0351I Restoring /oracle/W38/origlogB/cntrl/cntrlW38.dbf
BR0355I from /oracle/W38/sapbackup/cntrlW38.dbf ...

BR0351I Restoring /oracle/W38/sapdata1/cntrl/cntrlW38.dbf
BR0355I from /oracle/W38/sapbackup/cntrlW38.dbf ...

BR0406I End of file restore: reonwyys.rsb 2014-08-18 13.37.36
BR0280I BRRESTORE time stamp: 2014-08-18 13.37.36
BR0402I BRRESTORE completed successfully
willsys38:oraw38 50> █
```

Restore completed successfully

```
willsys38:oraw38 50> cd /oracle/W38/sapbackup/
willsys38:oraw38 51> ll
total 158756
-rwxrwxr-x 1 oraw38 dba      211 Jan 10  2015 backW90.log
drwxrwxr-x 2 oraw38 dba     4096 Aug 18 12:28 bepphbtb
-rwxrwxr-x 1 oraw38 dba    34224 Aug 18 12:35 bepphbtb.and
-rw-r--r-- 1 oraw38 dba     1392 Aug 18 12:48 reonwyoe.rsb
-rw-r--r-- 1 oraw38 dba    24298 Aug 18 13:37 reonwyys.rsb
-rw-r--r-- 1 oraw38 dba      262 Aug 18 13:37 restW38.log
drwxrwxr-x 2 oraw38 dba     4096 Jan 10  2015 W90
```



**RECOVERY:**

Copy the trace file from source system (/oracle/SID/saptrace/usertrace) to target system (/oracle/SID/sapbackup)

```
root@willsys90:/oracle/W90/sapbackup
File Edit View Terminal Tabs Help
willsys90:oraw90 38> pwd
/oracle/W90/saptrace/usertrace
willsys90:oraw90 39> scp -pr w90_ora_27797.trc root@192.168.17.38:/oracle/W38/sapbackup
```

Check the oraarch sequence in action id.and (xxxxx.and) folder

```
bepphbtb.and (/oracle/W90/sapbackup) - gedit
File Edit View Search Tools Documents Help
New Open Save Print... Undo Redo Cut Copy Paste Find Replace
bepphbtb.and x
oldest online log sequence 910
Next log sequence to archive 913
Current log sequence 913 SCN: 9039018
Database block size 8192 Thread: 1
Current system change number 9039020 ResetId: 864132502

BR0202I Saving space_log
BR0203I to /oracle/W90/sapbackup/W90 ...

BR0202I Saving /oracle/W90/sapbackup/bepphbtb.and
BR0203I to /oracle/W90/sapbackup/W90 ...

BR0202I Saving /oracle/W90/sapbackup/backW90.log
BR0203I to /oracle/W90/sapbackup/W90 ...

BR0115I Compression rate for all files 8.1489:1

BR0056I End of database backup: bepphbtb.and 2015-01-10 10.37.46
BR0280I BRBACKUP time stamp: 2015-01-10 10.37.47
BR0052I BRBACKUP completed successfully
```

Go to /oracle/SID/sapbackup folder

Rename the trace file(w90\_ora\_27797.trc) as CONTROL.SQL

By using the command

```
Willsys90)# mv w90_ora_27797.trc CONTROL.SQL
```



Go to sapbackup folder

```
Cd /oracle/SID/sapbackup/
```

```
ll
```

Give the permissions and ownerships

```
Chmod -R 775 *
```

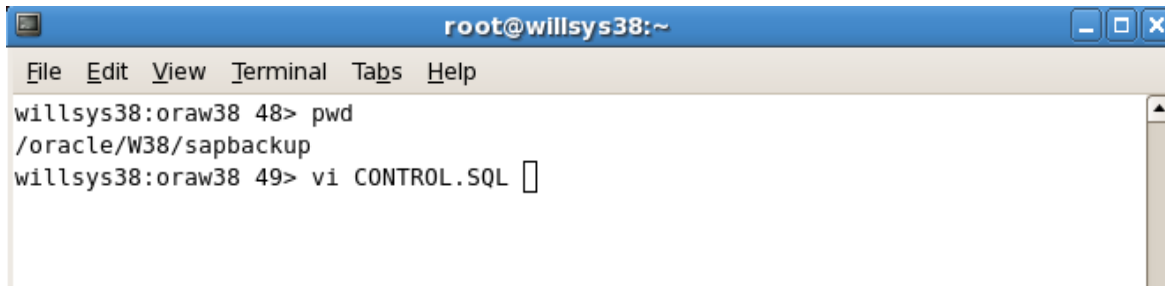
```
Chown -R orasid:dba *
```

```
root@willsys38:/oracle/W38/sapbackup
File Edit View Terminal Tabs Help
[root@willsys38 Desktop]# cd /oracle/W38/sapbackup/
[root@willsys38 sapbackup]# ll
total 158712
-rwxr-xr-x 1 root root      211 Jan 10  2015 backW90.log
drwxr-xr-x 2 root root    4096 Jan 10  2015 bepphbtb
-rwxr-xr-x 1 root root   34224 Jan 10  2015 bepphbtb.and
-rwxr-xr-x 1 root root    9823 Jan 11  2015 CONTROL.SQL
drwxr-xr-x 2 root root    4096 Jan 10  2015 W90

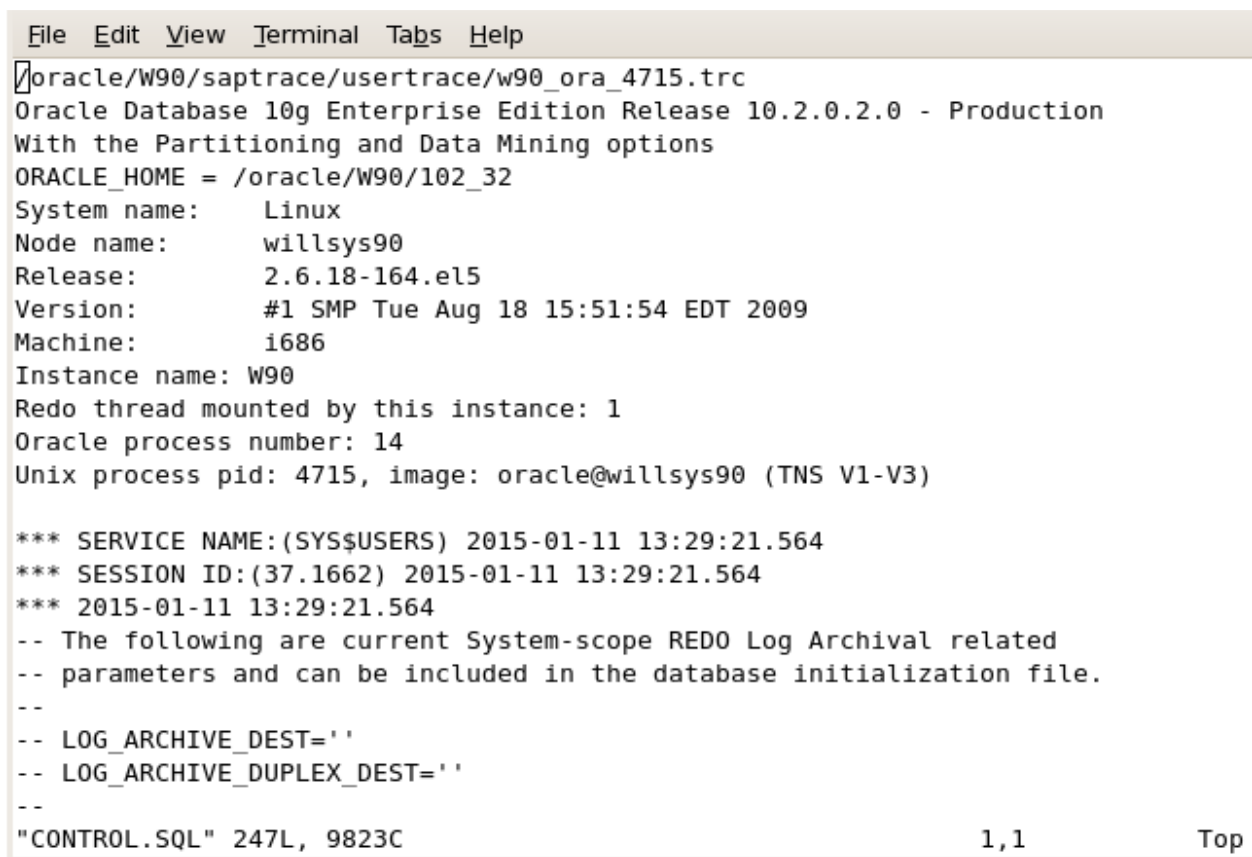
[root@willsys38 sapbackup]# chmod -R 775 *
[root@willsys38 sapbackup]# chown -R oraw38:dba *
[root@willsys38 sapbackup]#
```

```
[root@willsys38 sapbackup]# chmod -R 775 *
[root@willsys38 sapbackup]# chown -R oraw38:dba *
[root@willsys38 sapbackup]# ll
total 158712
-rwxrwxr-x 1 oraw38 dba      211 Jan 10  2015 backW90.log
drwxrwxr-x 2 oraw38 dba    4096 Jan 10  2015 bepphbtb
-rwxrwxr-x 1 oraw38 dba   34224 Jan 10  2015 bepphbtb.and
-rwxrwxr-x 1 oraw38 dba    9823 Jan 11  2015 CONTROL.SQL
drwxrwxr-x 2 oraw38 dba    4096 Jan 10  2015 W90
```

Edit the **CONTROL.SQL** file



```
root@willsys38:~  
File Edit View Terminal Tabs Help  
willsys38:oraw38 48> pwd  
/oracle/W38/sapbackup  
willsys38:oraw38 49> vi CONTROL.SQL
```



```
File Edit View Terminal Tabs Help  
/oracle/W90/saptrace/usertrace/w90_ora_4715.trc  
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production  
With the Partitioning and Data Mining options  
ORACLE_HOME = /oracle/W90/102_32  
System name: Linux  
Node name: willsys90  
Release: 2.6.18-164.el5  
Version: #1 SMP Tue Aug 18 15:51:54 EDT 2009  
Machine: i686  
Instance name: W90  
Redo thread mounted by this instance: 1  
Oracle process number: 14  
Unix process pid: 4715, image: oracle@willsys90 (TNS V1-V3)  
  
*** SERVICE NAME:(SYS$USERS) 2015-01-11 13:29:21.564  
*** SESSION ID:(37.1662) 2015-01-11 13:29:21.564  
*** 2015-01-11 13:29:21.564  
-- The following are current System-scope REDO Log Archival related  
-- parameters and can be included in the database initialization file.  
--  
-- LOG_ARCHIVE_DEST=''  
-- LOG_ARCHIVE_DUPLEX_DEST=''  
--  
"CONTROL.SQL" 247L, 9823C 1,1 Top
```

Delete the content before **STARTUP NOMOUNT** and after **CHARACTER SET UTF8**

```
File Edit View Terminal Tabs Help
[
-- The appropriate set of statements can be copied from the trace into
-- a script file, edited as necessary, and executed when there is a
-- need to re-create the control file.
--
--     Set #1. NORESETLOGS case
--
-- The following commands will create a new control file and use it
-- to open the database.
-- Data used by Recovery Manager will be lost.
-- Additional logs may be required for media recovery of offline
-- Use this only if the current versions of all online logs are
-- available.
-- After mounting the created controlfile, the following SQL
-- statement will place the database in the appropriate
-- protection mode:
-- ALTER DATABASE SET STANDBY DATABASE TO MAXIMIZE PERFORMANCE
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "W90" NORESETLOGS  ARCHIVELOG
    MAXLOGFILES 255
    MAXLOGMEMBERS 3
    MAXDATAFILES 254
    MAXINSTANCES 50
-- INSERT --                                     1,1
```

```
File Edit View Terminal Tabs Help
-- protection mode:
[- ALTER DATABASE SET STANDBY DATABASE TO MAXIMIZE PERFORMANCE
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "W90" NORESETLOGS ARCHIVELOG
  MAXLOGFILES 255
  MAXLOGMEMBERS 3
  MAXDATAFILES 254
  MAXINSTANCES 50
  MAXLOGHISTORY 1168
LOGFILE
GROUP 1 (
  '/oracle/W90/origlogA/log_g11m1.dbf',
  '/oracle/W90/mirrlogA/log_g11m2.dbf'
) SIZE 50M,
GROUP 2 (
  '/oracle/W90/origlogB/log_g12m1.dbf',
  '/oracle/W90/mirrlogB/log_g12m2.dbf'
) SIZE 50M,
GROUP 3 (
  '/oracle/W90/origlogA/log_g13m1.dbf',
  '/oracle/W90/mirrlogA/log_g13m2.dbf'
) SIZE 50M,
GROUP 4 (
-- INSERT --
64,1 27%
```

Change **REUSE** to **SET** and **NORESETLOGS** to **RESETLOGS**

```
File Edit View Terminal Tabs Help
STARTUP NOMOUNT
CREATE CONTROLFILE REUSE DATABASE "W90" NORESETLOGS ARCHIVELOG
  MAXLOGFILES 255
  MAXLOGMEMBERS 3
  MAXDATAFILES 254
  MAXINSTANCES 50
  MAXLOGHISTORY 1168
LOGFILE
GROUP 1 (
  '/oracle/W90/origlogA/log_g11m1.dbf',
  '/oracle/W90/mirrlogA/log_g11m2.dbf'
) SIZE 50M,
GROUP 2 (
  '/oracle/W90/origlogB/log_g12m1.dbf',
  '/oracle/W90/mirrlogB/log_g12m2.dbf'
) SIZE 50M,
GROUP 3 (
  '/oracle/W90/origlogA/log_g13m1.dbf',
  '/oracle/W90/mirrlogA/log_g13m2.dbf'
) SIZE 50M,
GROUP 4 (
  '/oracle/W90/origlogB/log_g14m1.dbf',
-- INSERT --
1,1 Top
```

```
File Edit View Terminal Tabs Help
STARTUP NOMOUNT
CREATE CONTROLFILE SET DATABASE "W90" NORESETLOGS ARCHIVELOG
  MAXLOGFILES 255
  MAXLOGMEMBERS 3
  MAXDATAFILES 254
  MAXINSTANCES 50
  MAXLOGHISTORY 1168
LOGFILE
GROUP 1 (
  '/oracle/W90/origlogA/log_g11m1.dbf',
  '/oracle/W90/mirrlogA/log_g11m2.dbf'
) SIZE 50M,
GROUP 2 (
  '/oracle/W90/origlogB/log_g12m1.dbf',
  '/oracle/W90/mirrlogB/log_g12m2.dbf'
) SIZE 50M,
GROUP 3 (
  '/oracle/W90/origlogA/log_g13m1.dbf',
  '/oracle/W90/mirrlogA/log_g13m2.dbf'
) SIZE 50M,
GROUP 4 (
  '/oracle/W90/origlogB/log_g14m1.dbf',
  '/oracle/W90/mirrlogB/log_g14m2.dbf'
-- INSERT --
```

2,23

Top

```
File Edit View Terminal Tabs Help
STARTUP NOMOUNT
CREATE CONTROLFILE SET DATABASE "W90" RESETLOGS ARCHIVELOG
  MAXLOGFILES 255
  MAXLOGMEMBERS 3
  MAXDATAFILES 254
  MAXINSTANCES 50
  MAXLOGHISTORY 1168
LOGFILE
GROUP 1 (
  '/oracle/W90/origlogA/log_g11m1.dbf',
  '/oracle/W90/mirrlogA/log_g11m2.dbf'
) SIZE 50M,
GROUP 2 (
  '/oracle/W90/origlogB/log_g12m1.dbf',
  '/oracle/W90/mirrlogB/log_g12m2.dbf'
) SIZE 50M,
GROUP 3 (
  '/oracle/W90/origlogA/log_g13m1.dbf',
  '/oracle/W90/mirrlogA/log_g13m2.dbf'
) SIZE 50M,
GROUP 4 (
  '/oracle/W90/origlogB/log_g14m1.dbf',
  '/oracle/W90/mirrlogB/log_g14m2.dbf'
-- INSERT --
```

2,39

Top



```
File Edit View Terminal Tabs Help
'/oracle/W90/sapdata4/sr3700_15/sr3700.data15',
'/oracle/W90/sapdata4/sr3700_16/sr3700.data16',
'/oracle/W90/sapdata1/sr3usr_1/sr3usr.data1'
CHARACTER SET UTF8
;
-- Commands to re-create incarnation table
-- Below log names MUST be changed to existing filenames on
-- disk. Any one log file from each branch can be used to
-- re-create incarnation records.
-- ALTER DATABASE REGISTER LOGFILE '/oracle/W90/oraarch/W90arch1_1_864132502.dbf
';
-- Recovery is required if any of the datafiles are restored backups,
-- or if the last shutdown was not normal or immediate.
RECOVER DATABASE USING BACKUP CONTROLFILE
-- Database can now be opened zeroing the online logs.
ALTER DATABASE OPEN RESETLOGS;
-- Commands to add tempfiles to temporary tablespaces.
-- Online tempfiles have complete space information.
-- Other tempfiles may require adjustment.
ALTER TABLESPACE PSAPTEMP ADD TEMPFILE '/oracle/W90/sapdata2/temp_1/temp.data1'
SIZE 2000M REUSE AUTOEXTEND ON NEXT 20971520 MAXSIZE 10000M;
-- End of tempfile additions.
--
-- INSERT --                                     167,1      Bot
```

```
File Edit View Terminal Tabs Help
'/oracle/W90/sapdata4/sr3700_15/sr3700.data15',
'/oracle/W90/sapdata4/sr3700_16/sr3700.data16',
'/oracle/W90/sapdata1/sr3usr_1/sr3usr.data1'
CHARACTER SET UTF8
;
-- INSERT --
```

167,1 Bot

Replace new system SID (W38)with old system SID(W90)



```
File Edit View Terminal Tabs Help
willsys38:oraw38 52> pwd
/oracle/W38/sapbackup
willsys38:oraw38 53> cd ..
willsys38:oraw38 54> ll
total 164
drwxr-xr-x 54 oraw38 dba 4096 Nov 19 2014 102_32
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 09:03 mirrlogA
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 09:03 mirrlogB
drwxr-xr-x 2 oraw38 dba 12288 Aug 18 12:12 oraarch
drwxr-xr-x 3 oraw38 dba 4096 Aug 5 09:02 origlogA
drwxr-xr-x 3 oraw38 dba 4096 Aug 5 09:03 origlogB
drwxr-xr-x 2 oraw38 dba 4096 Nov 19 2014 saparch
drwxr-xr-x 4 oraw38 dba 4096 Aug 19 16:25 sapbackup
drwxr-xr-x 2 oraw38 dba 4096 Nov 19 2014 sapcheck
drwxr-xr-x 15 oraw38 dba 4096 Aug 18 12:53 sapdata1
drwxr-xr-x 11 oraw38 dba 4096 Aug 18 12:53 sapdata2
drwxr-xr-x 12 oraw38 dba 4096 Aug 18 12:53 sapdata3
drwxr-xr-x 11 oraw38 dba 4096 Aug 18 12:53 sapdata4
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 10:47 sapreorg
drwxr-xr-x 4 oraw38 dba 4096 Nov 19 2014 saptrace
```

Delete the control file in **sapdata1**, **origlog A** and **origlog B** by using the command '**rm -rf\***'

```
File Edit View Terminal Tabs Help
drwxr-xr-x 54 oraw38 dba 4096 Nov 19 2014 102_32
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 09:03 mirrlogA
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 09:03 mirrlogB
drwxr-xr-x 2 oraw38 dba 12288 Aug 18 12:12 oraarch
drwxr-xr-x 3 oraw38 dba 4096 Aug 5 09:02 origlogA
drwxr-xr-x 3 oraw38 dba 4096 Aug 5 09:03 origlogB
drwxr-xr-x 2 oraw38 dba 4096 Nov 19 2014 saparch
drwxr-xr-x 4 oraw38 dba 4096 Aug 19 16:25 sapbackup
drwxr-xr-x 2 oraw38 dba 4096 Nov 19 2014 sapcheck
drwxr-xr-x 15 oraw38 dba 4096 Aug 18 12:53 sapdata1
drwxr-xr-x 11 oraw38 dba 4096 Aug 18 12:53 sapdata2
drwxr-xr-x 12 oraw38 dba 4096 Aug 18 12:53 sapdata3
drwxr-xr-x 11 oraw38 dba 4096 Aug 18 12:53 sapdata4
drwxr-xr-x 2 oraw38 dba 4096 Aug 5 10:47 sapreorg
drwxr-xr-x 4 oraw38 dba 4096 Nov 19 2014 saptrace
-rwxr-xr-x 1 oraw38 dba 15752 Aug 28 2011 startdb
-rwxr-xr-x 1 oraw38 dba 11119 Aug 28 2011 stopdb
willsys38:oraw38 55> cd sapdata1
willsys38:oraw38 56> ll
total 104
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 cntrl
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:53 sr3_1
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:54 sr3_2
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:55 sr3_3
```

```
File Edit View Terminal Tabs Help
drwxr-xr-x 4 oraw38 dba 4096 Nov 19 2014 saptrace
-rwxr-xr-x 1 oraw38 dba 15752 Aug 28 2011 startdb
-rwxr-xr-x 1 oraw38 dba 11119 Aug 28 2011 stopdb
willsys38:oraw38 55> cd sapdata1
willsys38:oraw38 56> ll
total 104
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 cntrl
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:53 sr3_1
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:54 sr3_2
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:55 sr3_3
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:56 sr3_4
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 12:57 sr3_5
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:12 sr3700_1
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:14 sr3700_2
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:15 sr3700_3
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:17 sr3700_4
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:34 sr3usr_1
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 sysaux_1
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 system_1
willsys38:oraw38 57> cd cntrl
willsys38:oraw38 58> ll
total 12392
-rw-r--r-- 1 oraw38 dba 12664832 Aug 19 16:00 cntrlW38.dbf
willsys38:oraw38 59> rm -rf *
```

```
File Edit View Terminal Tabs Help
willsys38:oraw38 69> cd origlogA
willsys38:oraw38 70> ll
total 8
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 cntrl
willsys38:oraw38 71> cd cntrl
willsys38:oraw38 72> ll
total 12392
-rw-r--r-- 1 oraw38 dba 12664832 Aug 19 16:00 cntlrW38.dbf
willsys38:oraw38 73> rm -rf *
```

```
File Edit View Terminal Tabs Help
willsys38:oraw38 82> pwd
/oracle/W38/origlogB
willsys38:oraw38 83> ll
total 8
drwxr-xr-x 2 oraw38 dba 4096 Aug 18 13:37 cntrl
willsys38:oraw38 84> cd cntrl
willsys38:oraw38 85> ll
total 12392
-rw-r--r-- 1 oraw38 dba 12664832 Aug 19 16:00 cntrlW38.dbf
willsys38:oraw38 86> rm -rf *
willsys38:oraw38 87> □
```

Rename the source system oraarch sequence files with target system oraarch files. By using the command “**mv source system oraarch file(W90arch1\_9\*.dbf) target system oraarch file(W38arch1\_9\*.dbf)**”

```
File Edit View Terminal Tabs Help
willsys38:oraw38 93> cd /oracle/W38/sapbackup
willsys38:oraw38 94> ll
total 158752
-rwxrwxr-x 1 oraw38 dba 211 Jan 10 2015 backW90.log
drwxrwxr-x 2 oraw38 dba 4096 Aug 18 12:28 bepphbtb
-rwxrwxr-x 1 oraw38 dba 34224 Aug 18 12:35 bepphbtb.and
-rwxrwxr-x 1 oraw38 dba 6409 Aug 19 16:25 CONTROL.SQL
-rw-r--r-- 1 oraw38 dba 1392 Aug 18 12:48 reonwyoe.rsb
-rw-r--r-- 1 oraw38 dba 24298 Aug 18 13:37 reonwyys.rsb
-rw-r--r-- 1 oraw38 dba 262 Aug 18 13:37 restW38.log
drwxrwxr-x 2 oraw38 dba 4096 Jan 10 2015 W90
-rwxrwxr-x 1 oraw38 dba 36643328 Jan 9 2015 W90arch1_909_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan 9 2015 W90arch1_910_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan 9 2015 W90arch1_911_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 24949248 Jan 10 2015 W90arch1_912_864132502.dbf
willsys38:oraw38 95> mv W90arch1_909_864132502.dbf W38arch1_909_864132502.dbf
willsys38:oraw38 96> mv W90arch1_910_864132502.dbf W38arch1_910_864132502.dbf
willsys38:oraw38 97> mv W90arch1_911_864132502.dbf W38arch1_911_864132502.dbf
willsys38:oraw38 98> mv W90arch1_912_864132502.dbf W38arch1_912_864132502.dbf
□
```

```
willsys38:oraw38 99> ll
total 158752
-rwxrwxr-x 1 oraw38 dba      211 Jan 10  2015 backW90.log
drwxrwxr-x 2 oraw38 dba     4096 Aug 18 12:28 bepphbtb
-rwxrwxr-x 1 oraw38 dba    34224 Aug 18 12:35 bepphbtb.and
-rwxrwxr-x 1 oraw38 dba     6409 Aug 19 16:25 CONTROL.SQL
-rw-r--r-- 1 oraw38 dba     1392 Aug 18 12:48 reonwyoe.rsb
-rw-r--r-- 1 oraw38 dba    24298 Aug 18 13:37 reonwyys.rsb
-rw-r--r-- 1 oraw38 dba       262 Aug 18 13:37 restW38.log
-rwxrwxr-x 1 oraw38 dba 36643328 Jan  9  2015 W38arch1_909_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_910_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_911_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 24949248 Jan 10  2015 W38arch1_912_864132502.dbf
drwxrwxr-x 2 oraw38 dba     4096 Jan 10  2015 W90
willsys38:oraw38 100> █
```

Copy the oraarch sequence in to oraarch folder

```
File Edit View Terminal Tabs Help
willsys38:oraw38 101> pwd
/oracle/W38/sapbackup
willsys38:oraw38 102> ll
total 158752
-rwxrwxr-x 1 oraw38 dba      211 Jan 10  2015 backW90.log
drwxrwxr-x 2 oraw38 dba     4096 Aug 18 12:28 bepphbtb
-rwxrwxr-x 1 oraw38 dba    34224 Aug 18 12:35 bepphbtb.and
-rwxrwxr-x 1 oraw38 dba     6409 Aug 19 16:25 CONTROL.SQL
-rw-r--r-- 1 oraw38 dba     1392 Aug 18 12:48 reonwyoe.rsb
-rw-r--r-- 1 oraw38 dba    24298 Aug 18 13:37 reonwyys.rsb
-rw-r--r-- 1 oraw38 dba       262 Aug 18 13:37 restW38.log
-rwxrwxr-x 1 oraw38 dba 36643328 Jan  9  2015 W38arch1_909_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_910_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_911_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 24949248 Jan 10  2015 W38arch1_912_864132502.dbf
drwxrwxr-x 2 oraw38 dba     4096 Jan 10  2015 W90
willsys38:oraw38 103> cp -pr W38* /oracle/W38/oraarch█
```



```
willsys38:oraw38 105> cd /oracle/W38/oraarch
willsys38:oraw38 106> ll
total 453808
-rwxrwxr-x 1 oraw38 dba 36643328 Jan  9  2015 W38arch1_909_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_910_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 50319872 Jan  9  2015 W38arch1_911_864132502.dbf
-rwxrwxr-x 1 oraw38 dba 24949248 Jan 10  2015 W38arch1_912_864132502.dbf
```

```
File Edit View Terminal Tabs Help
willsys38:oraw38 108> sqlplus / as sysdba

SQL*Plus: Release 10.2.0.2.0 - Production on Tue Aug 19 16:41:25 2014

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Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options

SQL> startup nomount
ORA-01081: cannot start already-running ORACLE - shut it down first
SQL> select status from v$instance
  2  ;

STATUS
-----
STARTED

SQL> █
```

Generate the control file by using the command “@CONTROL.SQL” in status nomount mode

```
willsys38:oraw38 112> !sq  
sqlplus / as sysdba
```

```
SQL*Plus: Release 10.2.0.2.0 - Production on Tue Aug 19 16:44:10 2014
```

```
Copyright (c) 1982, 2005, Oracle. All Rights Reserved.
```

```
Connected to:  
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production  
With the Partitioning and Data Mining options
```

```
SQL> select status from v$instance  
2 ;
```

```
STATUS
```

```
-----
```

```
STARTED
```

```
SQL> @CONTROL.SQL;□
```

```
File Edit View Terminal Tabs Help

SQL*Plus: Release 10.2.0.2.0 - Production on Tue Aug 19 16:55:42 2014

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Connected to an idle instance.

SQL> !pwd
/oracle/W38/sapbackup

SQL> @CONTROL.SQL;
ORACLE instance started.

Total System Global Area 608174080 bytes
Fixed Size 1262272 bytes
Variable Size 314576192 bytes
Database Buffers 289406976 bytes
Redo Buffers 2928640 bytes

Control file created.

SQL> █

SQL> select status from v$instance;

STATUS
-----
MOUNTED

SQL> █
```

Start the recovery by using the command “SQL>recover database using backup controlfile until cancel;”

Specify **AUTO**

```
willsys38:oraw38 120> pwd
/oracle/W38/sapbackup
willsys38:oraw38 121> !sq
sqlplus / as sysdba
```

```
SQL*Plus: Release 10.2.0.2.0 - Production on Tue Aug 19 16:58:04 2014
```

```
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```

```
Connected to:
```

```
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options
```

```
SQL> recover database using backup controlfile until cancel;□
```

```
SQL> recover database using backup controlfile until cancel;
ORA-00279: change 9036949 generated at 01/10/2015 09:33:25 needed for thread 1
ORA-00289: suggestion : /oracle/W38/oraarch/W38arch1_912_864132502.dbf
ORA-00280: change 9036949 for thread 1 is in sequence #912
```

```
Specify log: {<RET>=suggested | filename | AUTO | CANCEL}
```

```
AUTO□
```

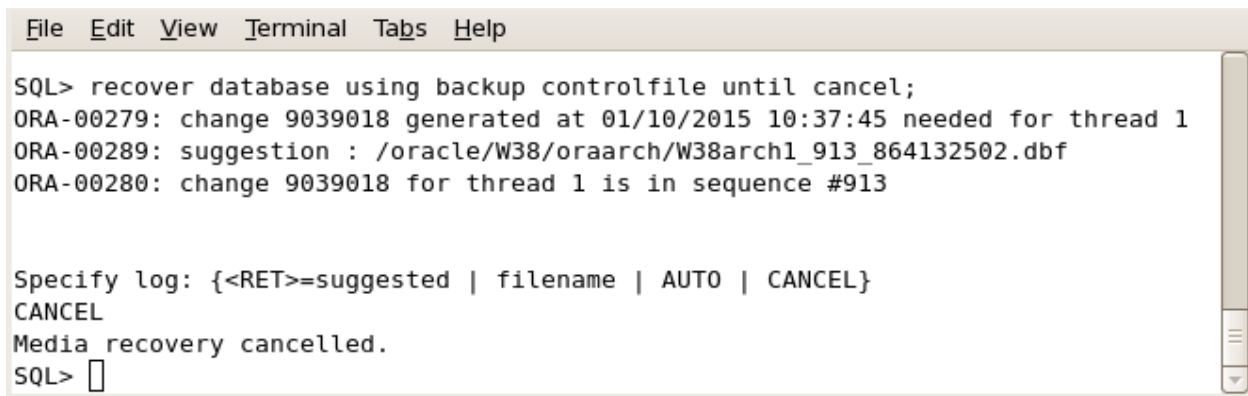
```
SQL> recover database using backup controlfile until cancel;
ORA-00279: change 9036949 generated at 01/10/2015 09:33:25 needed for thread 1
ORA-00289: suggestion : /oracle/W38/oraarch/W38arch1_912_864132502.dbf
ORA-00280: change 9036949 for thread 1 is in sequence #912

Specify log: {<RET>=suggested | filename | AUTO | CANCEL}
AUTO
ORA-00279: change 9039018 generated at 01/10/2015 10:37:45 needed for thread 1
ORA-00289: suggestion : /oracle/W38/oraarch/W38arch1_913_864132502.dbf
ORA-00280: change 9039018 for thread 1 is in sequence #913
ORA-00278: log file '/oracle/W38/oraarch/W38arch1_912_864132502.dbf' no longer
needed for this recovery

ORA-00308: cannot open archived log
'/oracle/W38/oraarch/W38arch1_913_864132502.dbf'
ORA-27037: unable to obtain file status
Linux Error: 2: No such file or directory
Additional information: 3

SQL> □
```

Specify log: **CANCEL**



```
File Edit View Terminal Tabs Help

SQL> recover database using backup controlfile until cancel;
ORA-00279: change 9039018 generated at 01/10/2015 10:37:45 needed for thread 1
ORA-00289: suggestion : /oracle/W38/oraarch/W38arch1_913_864132502.dbf
ORA-00280: change 9039018 for thread 1 is in sequence #913

Specify log: {<RET>=suggested | filename | AUTO | CANCEL}
CANCEL
Media recovery cancelled.
SQL> □
```

```
SQL> select status from v$instance;

STATUS
-----
MOUNTED

SQL> █
```

After completing the recovery database will be in mount status only. Open the database by using the command **"SQL> alter database open resetlogs;"**

```
File Edit View Terminal Tabs Help

SQL> alter database open resetlogs;

Database altered.

SQL> █
```

Check the users **"SQL> select username from dba\_users;"**

```
[root@willsys38 ~]# su oraw38
willsys38:oraw38 45> !sq
sqlplus / as sysdba

SQL*Plus: Release 10.2.0.2.0 - Production on Wed Aug 20 09:08:22 2014

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Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options

SQL> select status from v$instance;

STATUS
-----
OPEN

SQL> select username from dba_users;█
```

```
SQL> select username from dba_users;
```

```
USERNAME
```

```
-----  
OPS$SAPSERVICEW90
```

```
OPS$ORAW90
```

```
OPS$W90ADM
```

```
SYS
```

```
SYSTEM
```

```
SAPSR3
```

```
OUTLN
```

```
TSMSYS
```

```
DIP
```

```
DBSNMP
```

```
10 rows selected.
```

```
SQL> █
```

File Edit View Terminal Tabs Help

```
SQL> exit
```

```
Disconnected from Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Pr  
oduction
```

```
With the Partitioning and Data Mining options
```

```
willsys38:oraw38 46> exit
```

```
exit
```

```
[root@willsys38 ~]# cd /oracle/DUMP/IM_LINUX_I386/COMMON/INSTALL/ORA█
```

Go to the **/oracle/DUMP/IM\_LINUX\_I386/COMMON/INSTALL/ORA**

Copy the **ORADBUSR.SQL** file in to **/oracle/SID/sapbackup/** folder and give the permissions

```
[root@willsys38 ~]# cd /oracle/DUMP/IM_LINUX_I386/COMMON/INSTALL/ORA
```

```
[root@willsys38 ORA]# cp -pr ORADBUSR.SQL /oracle/W38/sapbackup/█
```

```
File Edit View Terminal Tabs Help
[root@willsys38 ORA]# su oraw38
willsys38:oraw38 45> !sq
sqlplus / as sysdba

SQL*Plus: Release 10.2.0.2.0 - Production on Wed Aug 20 09:13:24 2014

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Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Production
With the Partitioning and Data Mining options

SQL> █
```

Execute the ORADBUSER.SQL

“SQL>@ORADBUSER.SQL” and specify the values

```
File Edit View Terminal Tabs Help
SQL> @ORADBUSER.SQL;
Connected.
SP2-0606: Cannot create SP00L file "oradbusr.log"
Enter value for 1: SAPSR3
old 6:  if length('&&1') = 5 then
new 6:  if length('SAPSR3') = 5 then
old 7:    if substr(upper('&&1'),1,5) = 'SAPR3' then
new 7:    if substr(upper('SAPSR3'),1,5) = 'SAPR3' then
Enter value for 2: █
```



```
File Edit View Terminal Tabs Help
SQL> @ORADBUSR.SQL;
Connected.
SP2-0606: Cannot create SP00L file "oradbusr.log"
Enter value for 1: SAPSR3
old 6:  if length('&&1') = 5 then
new 6:  if length('SAPSR3') = 5 then
old 7:    if substr(upper('&&1'),1,5) = 'SAPR3' then
new 7:    if substr(upper('SAPSR3'),1,5) = 'SAPR3' then
Enter value for 2: LINUX
old 11:    if upper('&&2') = 'NT' then
new 11:    if upper('LINUX') = 'NT' then
Enter value for 3: W38
old 18:    :sDomain := upper('&&3');
new 18:    :sDomain := upper('W38');
Enter value for 4: X
old 19:    :sSapSid := upper('&&4');
new 19:    :sSapSid := upper('X');
old 21:    :sSapSid := upper('&&3');
new 21:    :sSapSid := upper('W38');
```

```
File Edit View Terminal Tabs Help
SQL> select username from dba_users;

USERNAME
-----
OPS$SAPSERVICEW90
OPS$ORAW90
OPS$W38ADM
OPS$SAPSERVICEW38
OPS$W90ADM
OPS$ORAW38
SYS
SYSTEM
SAPSR3
OUTLN
DIP

USERNAME
-----
TSMSYS
DBSNMP

13 rows selected.

SQL> □
```

Drop the source system users by using the command

**SQL>drop user OPS\$SAPSERVICEW90 cascade;**

**SQL>drop user OPS\$W90ADM cascade;**

**SQL>drop user OPS\$ORAW90 cascade;**

```
File Edit View Terminal Tabs Help
SAPSR3
OUTLN
DIP

USERNAME
-----
TSMSYS
DBSNMP

13 rows selected.

SQL> drop user OPS$SAPSERVICEW90 cascade;

User dropped.

SQL> drop user OPS$ORAW90 cascade;

User dropped.

SQL> drop user OPS$W90ADM cascade;

User dropped.

SQL> □
```

Check the users by executing the command

**SQL>Select username from dba\_users;**

```
File Edit View Terminal Tabs Help
SQL> select username from dba_users;

USERNAME
-----
OP$W38ADM
OP$ORAW38
OP$SAPSERVICEW38
SYS
SYSTEM
SAPSR3
OUTLN
TMSYS
DIP
DBSNMP

10 rows selected.

SQL> exit
Disconnected from Oracle Database 10g Enterprise Edition Release 10.2.0.2.0 - Pr
oduction
With the Partitioning and Data Mining options
willsys38:oraw38 47> □
```

### Related Content:

<http://service.sap.com>

<http://support.sap.com>

[www.help.sap.com](http://www.help.sap.com)

[www.sdn.sap.com/irj/sdn/index](http://www.sdn.sap.com/irj/sdn/index).

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