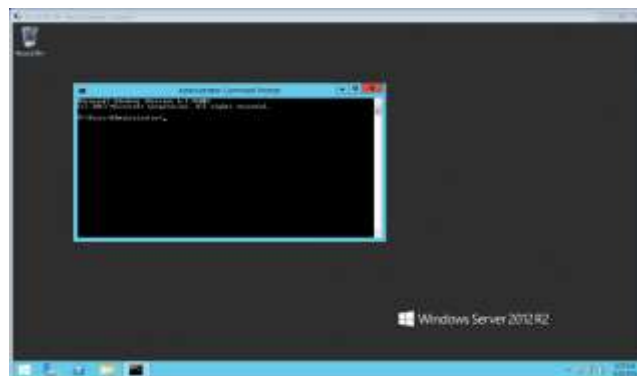
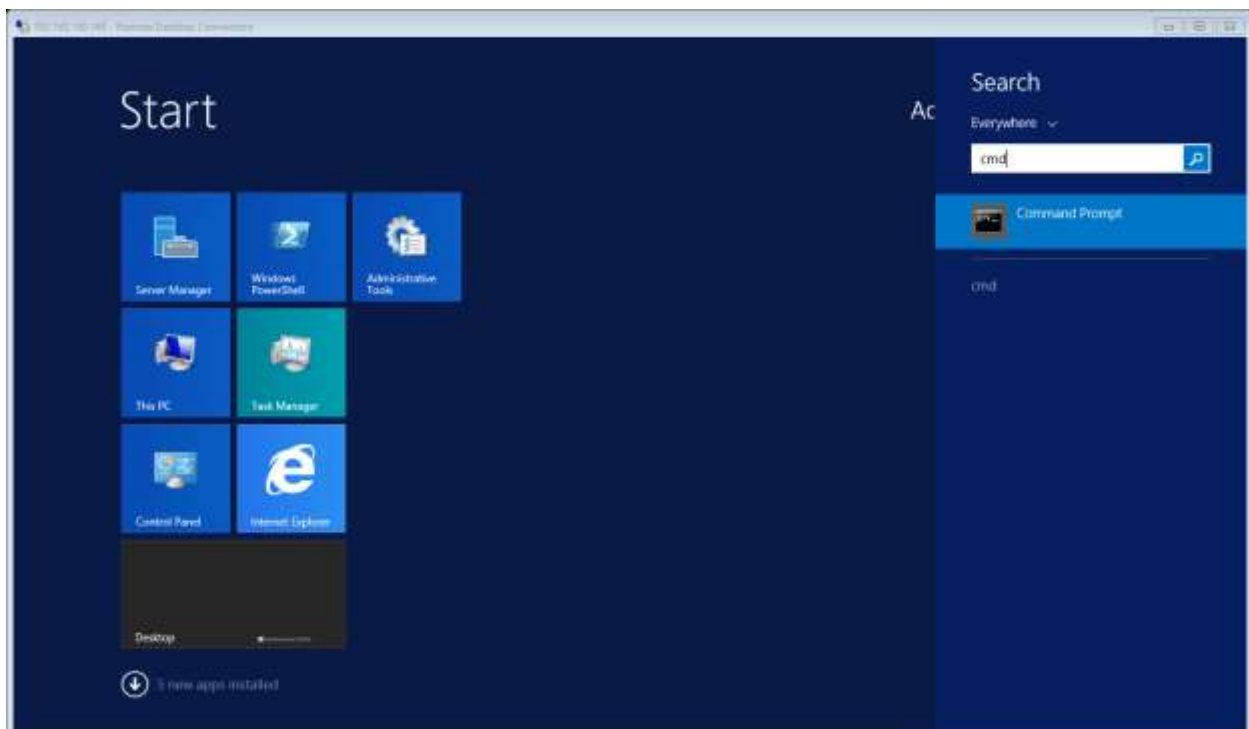


Restore Oracle RMAN Backup on Windows

Restore Oracle RMAN Backup on Windows

New Database Instance : test2
Backup Path : C:\backups_new
New Database Instance Path : C:\Database\test2
Recovery Destination Path : C:\Database\flashrecovery\test2
Oracle_sid : test2

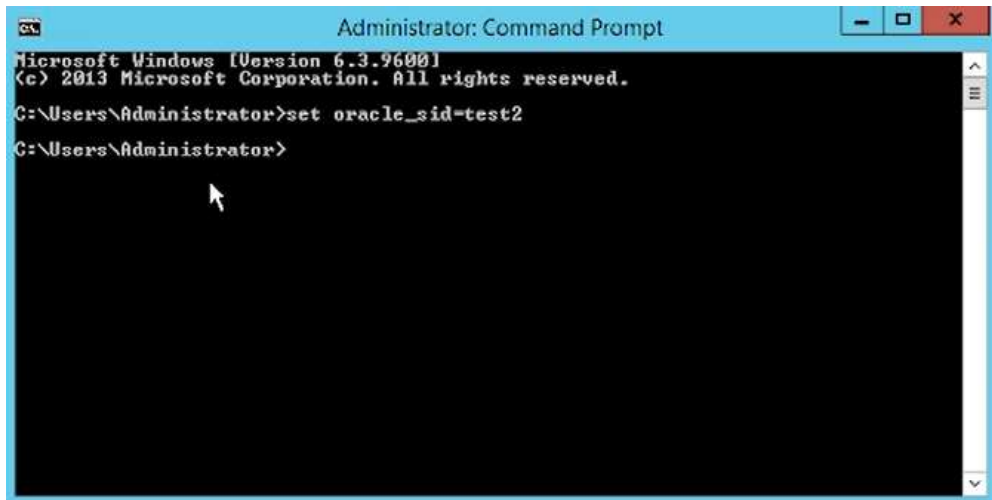
Open Command Prompt



Restore Oracle RMAN Backup on Windows

Create New Database Instance

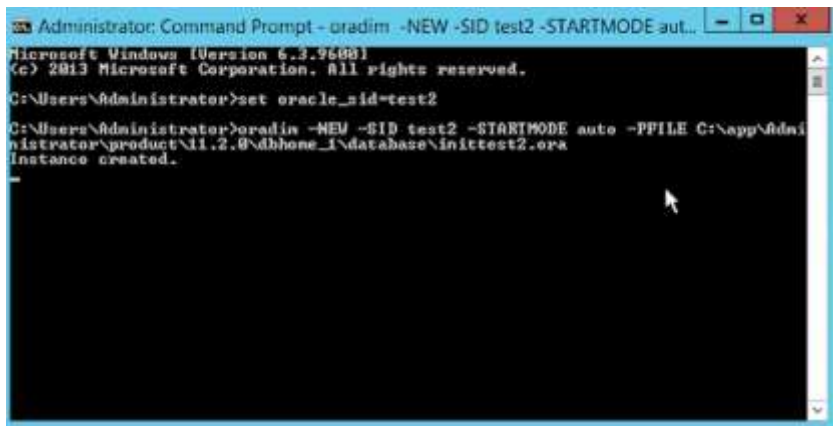
set oracle_sid=test2



```
Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>set oracle_sid=test2
C:\Users\Administrator>
```

oradim -NEW -SID test2 -STARTMODE auto -PFILE

C:\app\Administrator\product\11.2.0\dbhome_1\database\inittest2.ora



```
Administrator: Command Prompt - oradim -NEW -SID test2 -STARTMODE aut...
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>set oracle_sid=test2
C:\Users\Administrator>oradim -NEW -SID test2 -STARTMODE auto -PFILE C:\app\Administrator\product\11.2.0\dbhome_1\database\inittest2.ora
Instance created.
```



```
Administrator: Command Prompt
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\Users\Administrator>set oracle_sid=test2
C:\Users\Administrator>oradim -NEW -SID test2 -STARTMODE auto -PFILE C:\app\Administrator\product\11.2.0\dbhome_1\database\inittest2.ora
Instance created.
C:\Users\Administrator>
```

Restore Oracle RMAN Backup on Windows

Verify Backup Location

C:\backups_new				
Name	Date modified	Type	Size	
LEVEL0_0E364AFD_1_1	9/28/2024 2:39 AM	File	9,568 KB	
LEVEL0_ARC_0B364AF8_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	4 KB	
LEVEL0_ARCCCTL_0C364AFA_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	9,568 KB	
LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	274,576 KB	
LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	1,072 KB	
LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	9,568 KB	
LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP	9/28/2024 2:39 AM	BKP File	96 KB	
rmanbackup	9/28/2024 2:43 AM	Text Document	1 KB	
rmanrestore	10/12/2024 3:25 AM	Text Document	2 KB	

```

Administrator: Command Prompt

C:\>cd backups_new

C:\backups_new>dir
Volume in drive C has no label.
Volume Serial Number is E4B8-7325

Directory of C:\backups_new

09/28/2024 03:00 AM <DIR> .
09/28/2024 03:00 AM <DIR> ..
09/28/2024 02:39 AM          9,797,632 LEVEL0_0E364AFD_1_1
09/28/2024 02:39 AM          9,797,632 LEVEL0_ARCCCTL_0C364AFA_1_1_28_09_2024.BKP
09/28/2024 02:39 AM             3,584 LEVEL0_ARC_0B364AF8_1_1_28_09_2024.BKP
09/28/2024 02:39 AM          9,797,632 LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP
09/28/2024 02:39 AM      281,165,824 LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP
09/28/2024 02:39 AM          1,097,728 LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP
09/28/2024 02:39 AM           98,304 LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP
09/28/2024 02:43 AM             499 rmanbackup.txt
10/12/2024 03:25 AM             1,781 rmanrestore.txt
9 File(s)          311,768,616 bytes
2 Dir(s)  76,945,928,192 bytes free

C:\backups_new>
  
```

Restore SPFile

```

Administrator: Command Prompt - rman target /

09/28/2024 03:00 AM <DIR> .
09/28/2024 03:00 AM <DIR> ..
09/28/2024 02:39 AM          9,797,632 LEVEL0_0E364AFD_1_1
09/28/2024 02:39 AM          9,797,632 LEVEL0_ARCCCTL_0C364AFA_1_1_28_09_2024.BKP
09/28/2024 02:39 AM             3,584 LEVEL0_ARC_0B364AF8_1_1_28_09_2024.BKP
09/28/2024 02:39 AM          9,797,632 LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP
09/28/2024 02:39 AM      281,165,824 LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP
09/28/2024 02:39 AM          1,097,728 LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP
09/28/2024 02:39 AM           98,304 LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP
09/28/2024 02:43 AM             499 rmanbackup.txt
10/12/2024 03:25 AM             1,781 rmanrestore.txt
9 File(s)          311,768,616 bytes
2 Dir(s)  76,945,928,192 bytes free

C:\backups_new>rman target /

Recovery Manager: Release 11.2.0.4.0 - Production on Sat Oct 12 03:29:35 2024
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database (not started)

RMAN>
  
```

Rman target /

Restore Oracle RMAN Backup on Windows

Startup nomount;

```
Administrator: Command Prompt - rman target /
C:\backups_new>rman target /
Recovery Manager: Release 11.2.0.4.0 - Production on Sat Oct 12 03:29:35 2024
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database (not started)
RMAN> startup nomount;

startup failed: ORA-01078: failure in processing system parameters
LRM-00109: could not open parameter file 'C:\APP\ADMINISTRATOR\PRODUCT\11.2.0\DB
HOME_1\DATABASE\INITTEST2.ORA'

starting Oracle instance without parameter file for retrieval of spfile
Oracle instance started

Total System Global Area      1068937216 bytes
Fixed Size                     2288000 bytes
Variable Size                  281019952 bytes
Database Buffers               780140544 bytes
Redo Buffers                    5488640 bytes
RMAN> _
```

Restore spfile from 'C:\backups_new\LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP';

Exit;

```
Administrator: Command Prompt - rman target /
starting Oracle instance without parameter file for retrieval of spfile
Oracle instance started

Total System Global Area      1068937216 bytes
Fixed Size                     2288000 bytes
Variable Size                  281019952 bytes
Database Buffers               780140544 bytes
Redo Buffers                    5488640 bytes
RMAN> Restore spfile from 'C:\backups_new\LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.
BKP';

Starting restore at 12-OCT-24
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=18 device type=DISK

channel ORA_DISK_1: restoring spfile from AUTOBACKUP C:\backups_new\LEVEL0_SPFIL
E_0D364AFC_1_1_28_09_2024.BKP
channel ORA_DISK_1: SPFILE restore from AUTOBACKUP complete
Finished restore at 12-OCT-24
RMAN> _
```

Restore Oracle RMAN Backup on Windows

File Explorer view showing the directory structure: This PC > Local Disk (C:) > app > Administrator > product > 11.2.0 > dbhome_1 > database

Name	Date modified	Type	Size
archive	9/28/2024 12:45 AM	File folder	
hc_conv.d	9/28/2024 12:58 AM	DAT File	2 KB
hc_convtest.d	9/28/2024 2:49 AM	DAT File	0 KB
hc_test1.d	9/28/2024 4:06 AM	DAT File	0 KB
hc_test2.d	10/12/2024 3:29 AM	DAT File	0 KB
INITconv	9/28/2024 2:54 AM	ORA File	1 KB
INITtest1	9/28/2024 4:17 AM	ORA File	1 KB
oradba	12/22/2005 4:07 AM	Application	31 KB
oradim	10/12/2024 3:27 AM	Text Document	2 KB
PWDconv	9/28/2024 1:00 AM	ORA File	2 KB
SNCFCONV	9/28/2024 2:39 AM	ORA File	9,520 KB
SPFILECONV	10/12/2024 3:17 AM	ORA File	3 KB
SPFILECONVTEST	9/28/2024 3:53 AM	ORA File	4 KB
SPFILETEST1	9/28/2024 4:55 AM	ORA File	4 KB
SPFILETEST2	10/12/2024 3:30 AM	ORA File	3 KB

Sqlplus / as sysdba

Create pfile from spfile;

File Explorer view showing the directory structure: Administrator > product > 11.2.0 > dbhome_1 > database

Command Prompt window showing the following commands and output:

```

Administrator: Command Prompt - sqlplus / as sysdba
C:\backups_new>sqlplus / as sysdba
SQL*Plus: Release 11.2.0.4.0 Production on Sat Oct 12 03:31:10 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.

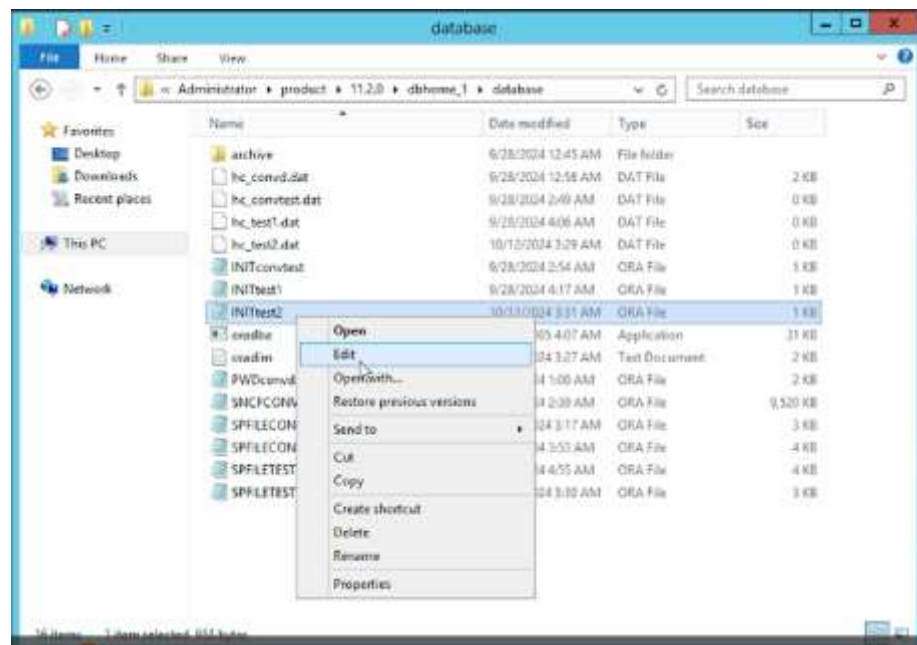
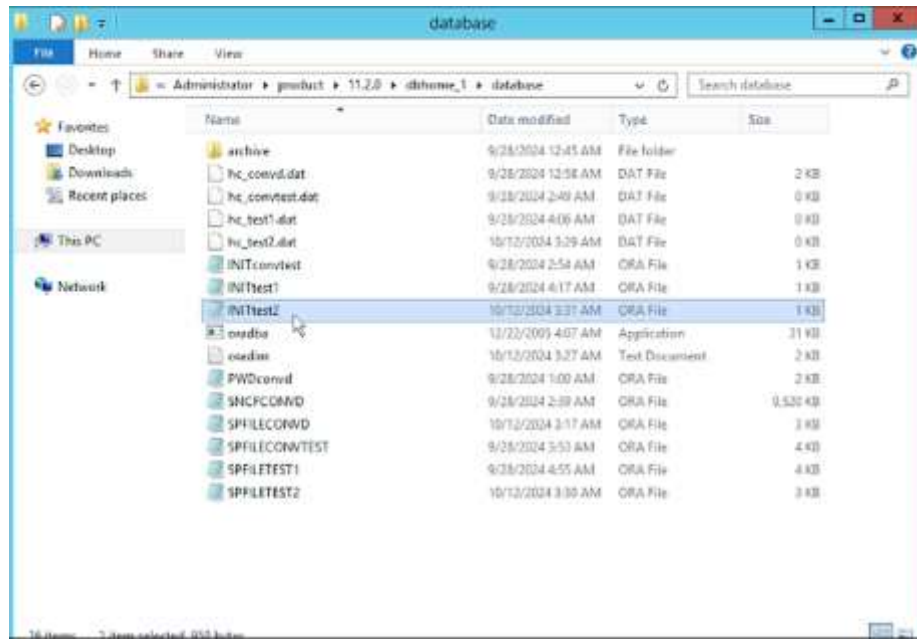
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> create pfile from spfile;
File created.
SQL>
  
```

Restore Oracle RMAN Backup on Windows

Change Parameters in Pfiles

Default Path of Parameter File : C:\app\Administrator\product\11.2.0\dbhome_1\database



Restore Oracle RMAN Backup on Windows

```

File Edit Format View Help
]convd.__db_cache_size=360710144
convd.__java_pool_size=4194304
convd.__large_pool_size=8388608
convd.__oracle_base='C:\app\Administrator'#ORACLE_BASE set from environment
convd.__pga_aggregate_target=343932928
convd.__sga_target=515899392
convd.__shared_io_pool_size=0
convd.__shared_pool_size=130023424
convd.__streams_pool_size=0
*.audit_file_dest='C:\app\Administrator\admin\convd\adump'
*.audit_trail='db'
*.compatible='11.2.0.4.0'
*.control_files='C:\Database\convd\control01.ctl','\Database\flashrecovery\convd\control02.ctl'
*.db_block_size=8192
*.db_domain=''
*.db_name='convd'
*.db_recovery_file_dest='Database\flashrecovery'
*.db_recovery_file_dest_size=4385144832
*.diagnostic_dest='C:\app\Administrator'
*.dispatchers='(PROTOCOL=TCP) (SERVICE=convdXDB)'
*.log_archive_format='ARC%S_%R.%T'
*.memory_target=857735168
*.open_cursors=300
*.processes=150
*.remote_login_passwordfile='EXCLUSIVE'
*.undo_tablespace='UNDOTBS1'

```

Normally need to change below Parameters

```

*.audit_file_dest='C:\app\Administrator\admin\test2\adump'

*.control_files='C:\Database\test2\control01.ctl','c:\Database\flashrecovery\test2\control02.ctl'

*.db_unique_name=test2

*.dispatchers='(PROTOCOL=TCP) (SERVICE=test2XDB)'

*.db_recovery_file_dest='Database\flashrecovery'

```

Restore Oracle RMAN Backup on Windows

```

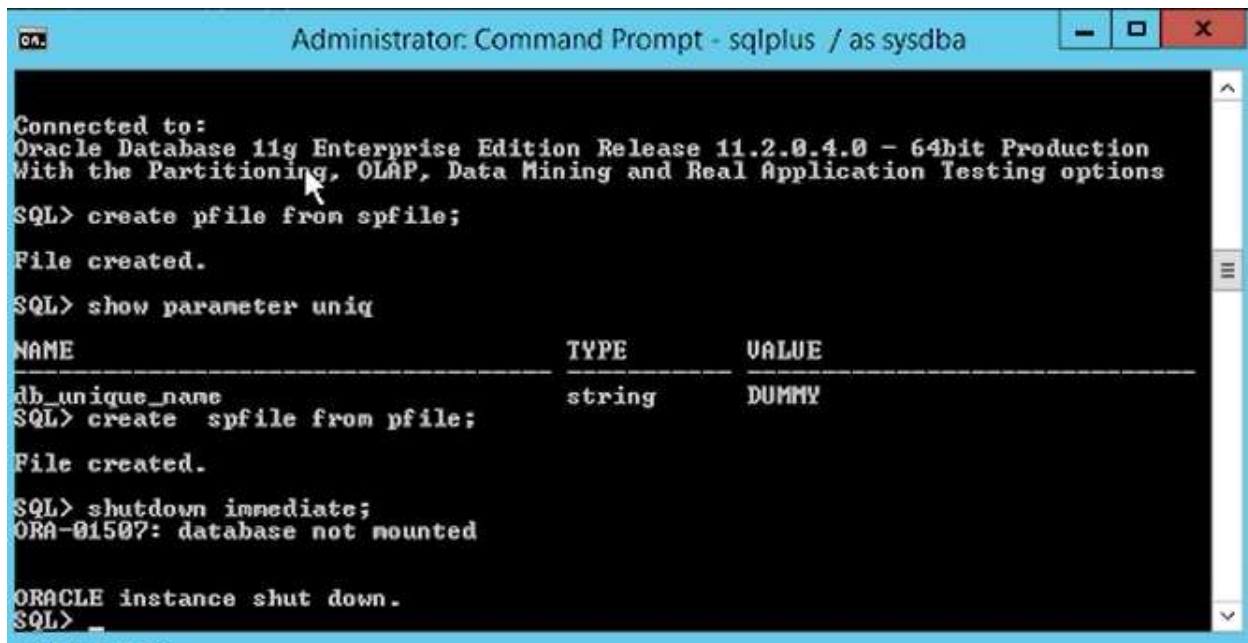
File Edit Format View Help
*.audit_file_dest='C:\app\Administrator\admin\test2\adump'
*.audit_trail='db'
*.compatible='11.2.0.4.0'
*.control_files='C:\Database\test2\control01.ctl', 'C:\Database\flashrecovery\test2\control02.ctl'
*.db_block_size=8192
*.db_domain=''
*.db_name='convd'
*.db_unique_name=test2
*.db_recovery_file_dest='Database\flashrecovery'
*.db_recovery_file_dest_size=4385144832
*.diagnostic_dest='C:\app\Administrator'
*.dispatchers='(PROTOCOL=TCP) (SERVICE=test2XDB)'
*.log_archive_format='ARC%S_%R.%T'
*.memory_target=857735168
*.open_cursors=300
*.processes=150
*.remote_login_passwordfile='EXCLUSIVE'
*.undo_tablespace='UNDOTBS1'

```

Shutdown dummy instance

Sqlplus / as sysdba

Shutdown immediate;



```

Administrator: Command Prompt - sqlplus / as sysdba
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> create pfile from spfile;
File created.
SQL> show parameter uniq
NAME                                TYPE                                VALUE
-----                                -                                -
db_unique_name                      string                              DUMMY
SQL> create spfile from pfile;
File created.
SQL> shutdown immediate;
ORA-01507: database not mounted

ORACLE instance shut down.
SQL> _

```

Restore Oracle RMAN Backup on Windows

Create Server Parameter File

sqlplus / as sysdba

Create spfile from pfile;

```
Administrator: Command Prompt - sqlplus / as sysdba
C:\backups_new>sqlplus / as sysdba
SQL*Plus: Release 11.2.0.4.0 Production on Sat Oct 12 03:31:10 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> create pfile from spfile;
File created.

SQL> show parameter unig
NAME                                TYPE        VALUE
-----
db_unique_name                      string      DUMMY
SQL> create spfile from pfile;
File created.
SQL>
```

Startup Instance with New Server Parameter File

sqlplus / as sysdba

Startup nomount;

```
Administrator: Command Prompt - sqlplus / as sysdba
ORACLE instance shut down.
SQL> exit
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64
bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
C:\backups_new>sqlplus / as sysdba
SQL*Plus: Release 11.2.0.4.0 Production on Sat Oct 12 03:35:54 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to an idle instance.

SQL> startup nomount;
ORACLE instance started.

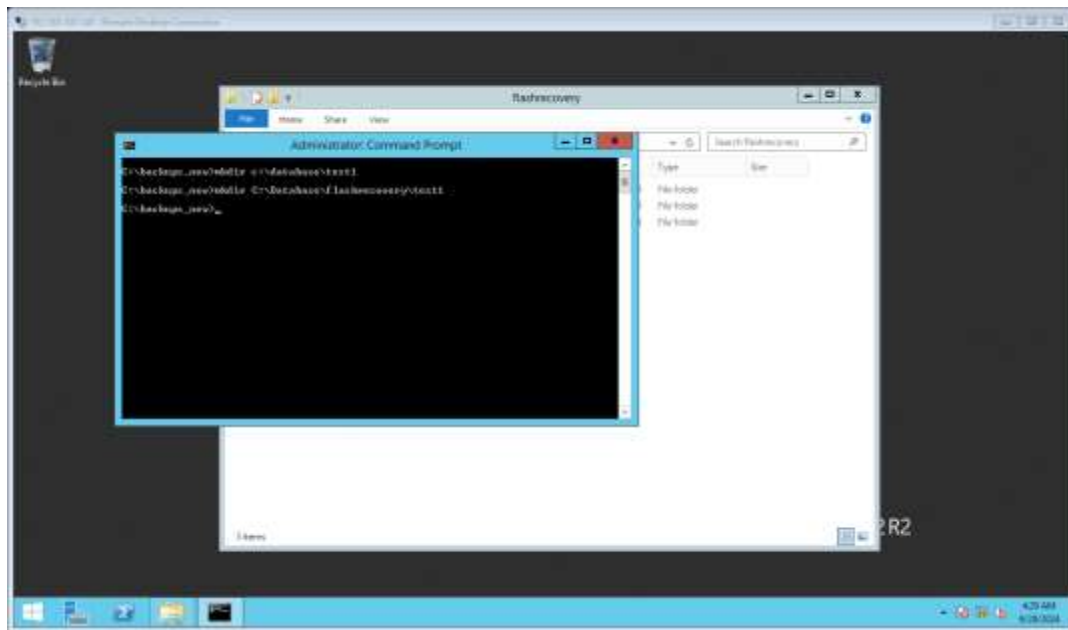
Total System Global Area  855982080 bytes
Fixed Size                 2286032 bytes
Variable Size             549457456 bytes
Database Buffers          297795584 bytes
Redo Buffers               6443008 bytes
SQL>
```

Restore Oracle RMAN Backup on Windows

Create Directories

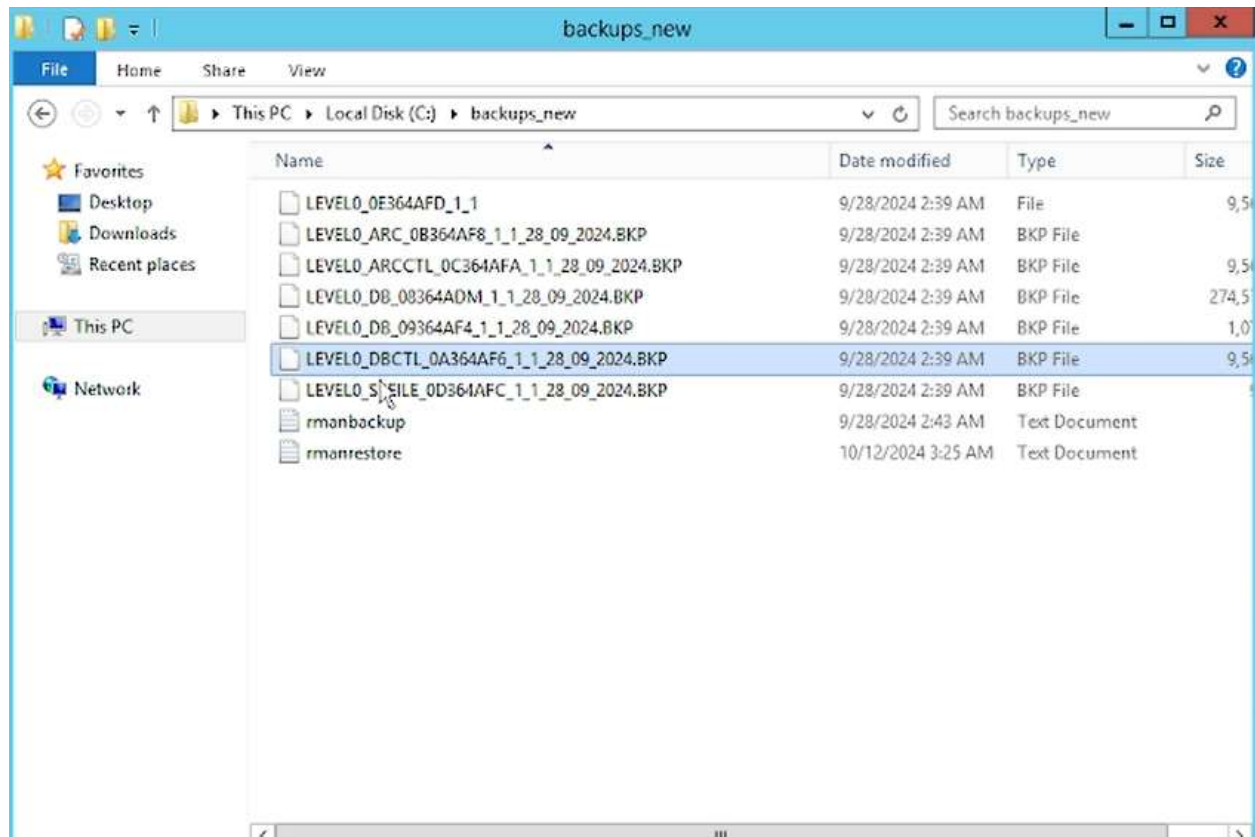
```
mkdir c:\database\test2
```

```
mkdir C:\Database\flashrecovery\test2
```



Restore Oracle RMAN Backup on Windows

Restore Control file





Restore Oracle RMAN Backup on Windows

Restore controlfile from 'C:\backups_new\LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP';

```
Administrator: Command Prompt - rman target /
C:\backups_new>mkdir C:\Database\flashrecovery\test2
C:\backups_new>rman target /
Recovery Manager: Release 11.2.0.4.0 - Production on Sat Oct 12 03:37:22 2024
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: CONUD (not mounted)
RMAN> Restore controlfile from 'C:\backups_new\LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP';
Starting restore at 12-OCT-24
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=19 device type=DISK
channel ORA_DISK_1: restoring control file
channel ORA_DISK_1: restore complete, elapsed time: 00:00:07
output file name=C:\DATABASE\TEST2\CONTROL01.CTL
output file name=C:\DATABASE\FLASHRECOVERY\TEST2\CONTROL02.CTL
Finished restore at 12-OCT-24
RMAN>
```

Alter database mount;

```
Administrator: Command Prompt - rman target /
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: CONUD (not mounted)
RMAN> Restore controlfile from 'C:\backups_new\LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP';
Starting restore at 12-OCT-24
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=19 device type=DISK
channel ORA_DISK_1: restoring control file
channel ORA_DISK_1: restore complete, elapsed time: 00:00:07
output file name=C:\DATABASE\TEST2\CONTROL01.CTL
output file name=C:\DATABASE\FLASHRECOVERY\TEST2\CONTROL02.CTL
Finished restore at 12-OCT-24
RMAN> alter database mount;
database mounted
released channel: ORA_DISK_1
RMAN>
```

Restore Oracle RMAN Backup on Windows

Crosscheck backup;

```
Administrator: Command Prompt - rman target /
channel ORA_DISK_1: restore complete, elapsed time: 00:00:07
output file name=C:\DATABASE\TEST2\CONTROL01.CTL
output file name=C:\DATABASE\FLASHRECOVERY\TEST2\CONTROL02.CTL
Finished restore at 12-OCT-24

RMAN> alter database mount;

database mounted
released channel: ORA_DISK_1

RMAN> crosscheck backup;

Starting implicit crosscheck backup at 12-OCT-24
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=19 device type=DISK
Crosschecked 9 objects
Finished implicit crosscheck backup at 12-OCT-24

Starting implicit crosscheck copy at 12-OCT-24
using channel ORA_DISK_1
Finished implicit crosscheck copy at 12-OCT-24

searching for all files in the recovery area
cataloging files...
```

```
Administrator: Command Prompt - rman target /

MP=1180838227
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_DBCTL_03364AAL_1_1_28_09_2024.BKP RECID=3
STAMP=1180838230
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_ARC_04364AA0_1_1_28_09_2024.BKP RECID=4 ST
AMP=1180838232
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_ARCCTL_05364AAP_1_1_28_09_2024.BKP RECID=5
STAMP=1180838234
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_SFFILE_06364AAR_1_1_28_09_2024.BKP RECID=6
STAMP=1180838235
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_07364AAT_1_1 RECID=7 STAMP=1180838238
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP RECID=8 STA
MP=1180838326
crosschecked backup piece: found to be 'EXPIRED'
backup piece handle=C:\BACKUPS\LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP RECID=9 STA
MP=1180838373
Crosschecked 9 objects

RMAN>
```

Restore Oracle RMAN Backup on Windows

Delete expired backup;

```
Administrator: Command Prompt - rman target /

using channel ORA_DISK_1

List of Backup Pieces
BP Key   BS Key Pc# Cp# Status      Device Type Piece Name
-----
1        1      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_DB_01364A8Q_1_1_28_09_2024.BKP
2        2      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_DB_02364AAI_1_1_28_09_2024.BKP
3        3      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_DBCTL_03364AAL_1_1_28_09_2024.BKP
4        4      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_ARC_04364AAO_1_1_28_09_2024.BKP
5        5      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_ARCCTL_05364AAP_1_1_28_09_2024.BKP
6        6      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_SPFILE_06364AAR_1_1_28_09_2024.BKP
7        7      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_07364AAT_1_1_28_09_2024.BKP
8        8      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP
9        9      1  1  EXPIRED      DISK        C:\BACKUPS\LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP

Do you really want to delete the above objects (enter YES or NO)?
```

```
Administrator: Command Prompt - rman target /

MP=1180838227
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_DBCTL_03364AAL_1_1_28_09_2024.BKP RECID=3
STAMP=1180838230
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_ARC_04364AAO_1_1_28_09_2024.BKP RECID=4
STAMP=1180838232
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_ARCCTL_05364AAP_1_1_28_09_2024.BKP RECID=5
STAMP=1180838234
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_SPFILE_06364AAR_1_1_28_09_2024.BKP RECID=6
STAMP=1180838235
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_07364AAT_1_1_28_09_2024.BKP RECID=7
STAMP=1180838238
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP RECID=8
STAMP=118083826
deleted backup piece
backup piece handle=C:\BACKUPS\LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP RECID=9
STAMP=1180838373
Deleted 9 EXPIRED objects

RMAN>
```

Restore Oracle RMAN Backup on Windows

catalog start with 'C:\backups_new';

```
Administrator: Command Prompt - rman target /

RMAN-00571: =====
RMAN-00569: ===== ERROR MESSAGE STACK FOLLOWS =====
RMAN-00571: =====
RMAN-00558: error encountered while parsing input commands
RMAN-01006: error signaled during parse
RMAN-02001: unrecognized punctuation symbol ""

RMAN> catalog start with 'C:\backups_new';

searching for all files that match the pattern C:\backups_new

List of Files Unknown to the Database
=====
File Name: C:\backups_new\LEVEL0_0E364AFD_1_1
File Name: C:\backups_new\LEVEL0_ARCCTL_0C364AFA_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_ARC_0B364AF8_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DBCCTL_0A364AF6_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP
File Name: C:\backups_new\rmanbackup.txt
File Name: C:\backups_new\rmanrestore.txt

Do you really want to catalog the above files (enter YES or NO)? _
```

```
Administrator: Command Prompt - rman target /

File Name: C:\backups_new\rmanbackup.txt
File Name: C:\backups_new\rmanrestore.txt

Do you really want to catalog the above files (enter YES or NO)? yes
cataloging files...
cataloging done

List of Cataloged Files
=====
File Name: C:\backups_new\LEVEL0_0E364AFD_1_1
File Name: C:\backups_new\LEVEL0_ARCCTL_0C364AFA_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_ARC_0B364AF8_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DBCCTL_0A364AF6_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DB_08364ADM_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_DB_09364AF4_1_1_28_09_2024.BKP
File Name: C:\backups_new\LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP

List of Files Which Where Not Cataloged
=====
File Name: C:\backups_new\rmanbackup.txt
RMAN-07517: Reason: The file header is corrupted
File Name: C:\backups_new\rmanrestore.txt
RMAN-07517: Reason: The file header is corrupted

RMAN> _
```

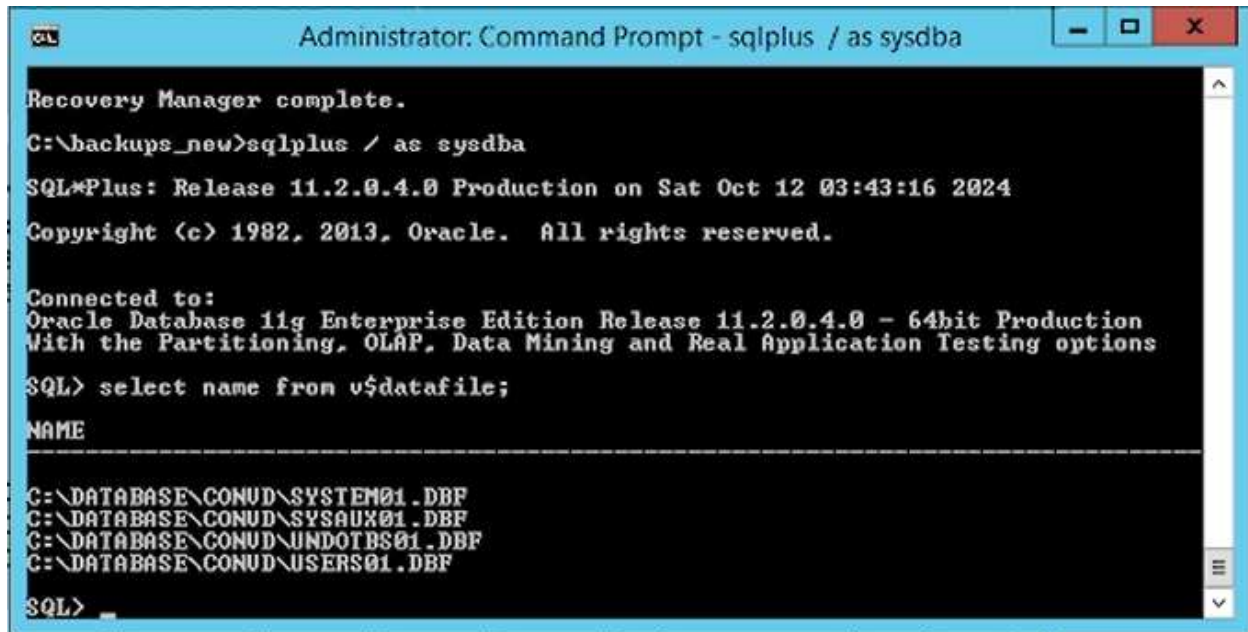
Restore Oracle RMAN Backup on Windows

Restore Database

Make script of Restore and Change Like below

```
sqlplus / as sysdba
```

```
select 'SET NEWNAME FOR DATAFILE ' || file# || ' TO ' || ''' || name || ''' || ';' from v$datafile;
```



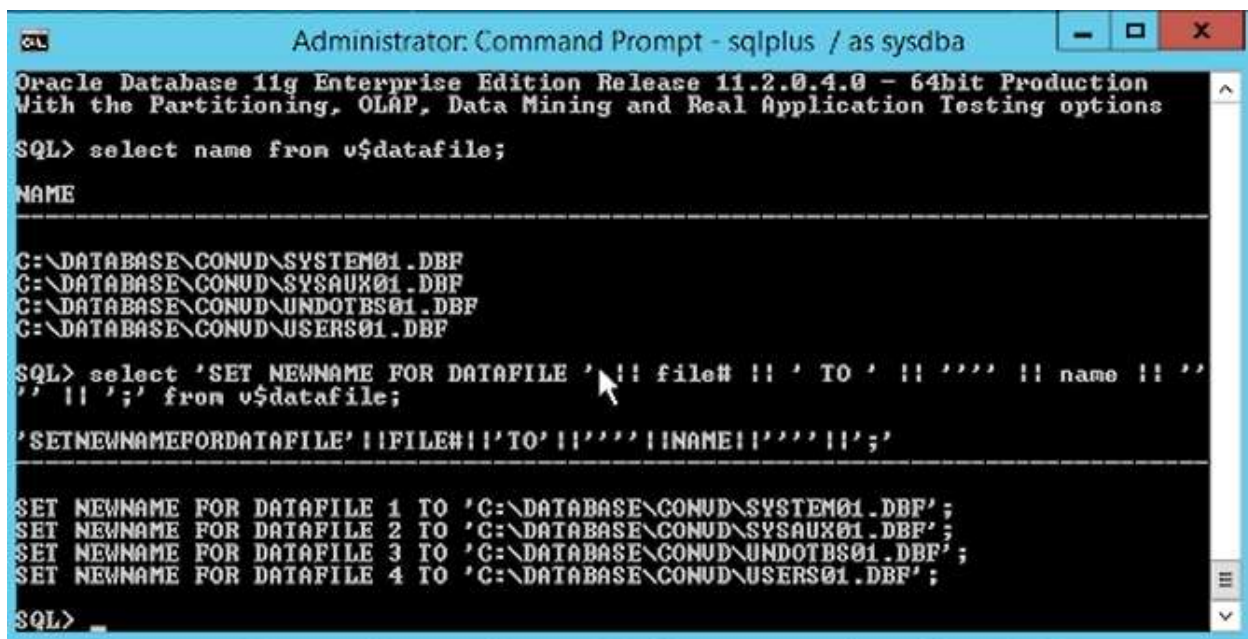
```
Administrator: Command Prompt - sqlplus / as sysdba

Recovery Manager complete.
C:\backups_new>sqlplus / as sysdba

SQL*Plus: Release 11.2.0.4.0 Production on Sat Oct 12 03:43:16 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> select name from v$datafile;

NAME
-----
C:\DATABASE\CONUD\SYSTEM01.DBF
C:\DATABASE\CONUD\SYSAUX01.DBF
C:\DATABASE\CONUD\UNDOTBS01.DBF
C:\DATABASE\CONUD\USERS01.DBF
SQL>
```



```
Administrator: Command Prompt - sqlplus / as sysdba

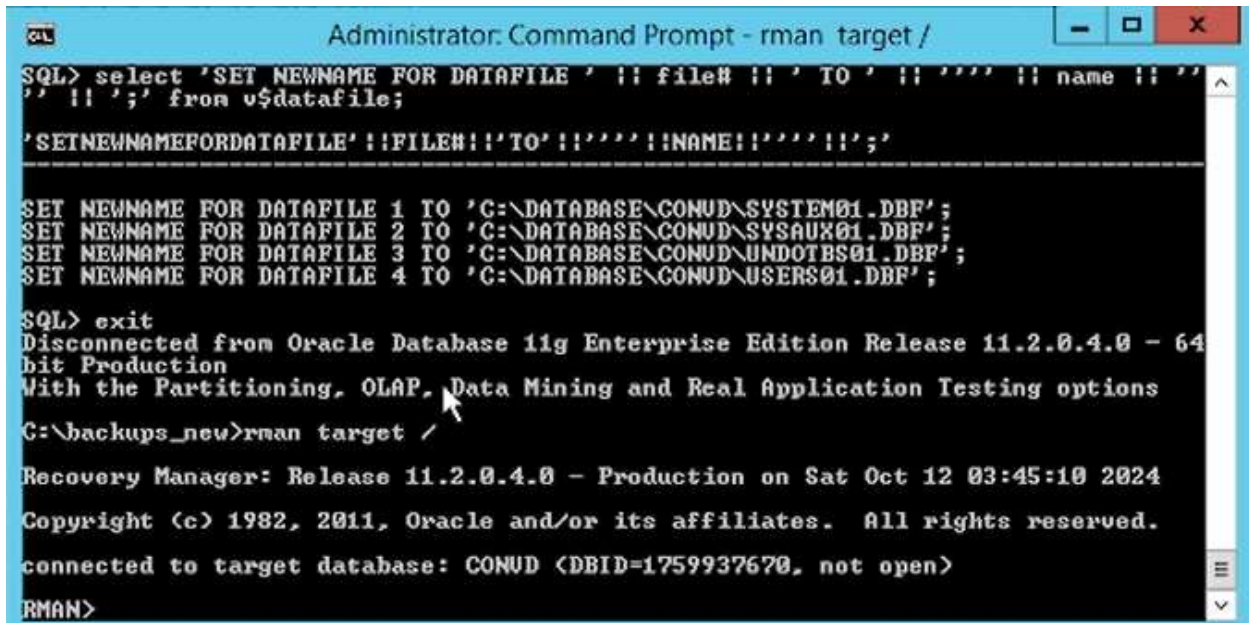
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> select name from v$datafile;

NAME
-----
C:\DATABASE\CONUD\SYSTEM01.DBF
C:\DATABASE\CONUD\SYSAUX01.DBF
C:\DATABASE\CONUD\UNDOTBS01.DBF
C:\DATABASE\CONUD\USERS01.DBF
SQL> select 'SET NEWNAME FOR DATAFILE ' || file# || ' TO ' || ''' || name || ''' || ';' from v$datafile;

SET NEWNAME FOR DATAFILE 1 TO 'C:\DATABASE\CONUD\SYSTEM01.DBF';
SET NEWNAME FOR DATAFILE 2 TO 'C:\DATABASE\CONUD\SYSAUX01.DBF';
SET NEWNAME FOR DATAFILE 3 TO 'C:\DATABASE\CONUD\UNDOTBS01.DBF';
SET NEWNAME FOR DATAFILE 4 TO 'C:\DATABASE\CONUD\USERS01.DBF';
SQL>
```

Restore Oracle RMAN Backup on Windows

Rman target /



```
Administrator: Command Prompt - rman target /
SQL> select 'SET NEWNAME FOR DATAFILE ' || file# || ' TO ' || '''' || name || ''
'' || ';' from v$datafile;

'SETNEWNAMEFORDATAFILE' || FILE# || 'TO' || '''' || NAME || '''' || ';

-----
SET NEWNAME FOR DATAFILE 1 TO 'C:\DATABASE\CONUD\SYSTEM01.DBF';
SET NEWNAME FOR DATAFILE 2 TO 'C:\DATABASE\CONUD\SYSAUX01.DBF';
SET NEWNAME FOR DATAFILE 3 TO 'C:\DATABASE\CONUD\UNDOTBS01.DBF';
SET NEWNAME FOR DATAFILE 4 TO 'C:\DATABASE\CONUD\USERS01.DBF';

SQL> exit
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64
bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
C:\backups_new>rman target /

Recovery Manager: Release 11.2.0.4.0 - Production on Sat Oct 12 03:45:10 2024
Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: CONUD (DBID=1759937670, not open)

RMAN>
```

```
run{
SET NEWNAME FOR DATAFILE 1 TO 'C:\DATABASE\test2\SYSTEM01.DBF';
SET NEWNAME FOR DATAFILE 2 TO 'C:\DATABASE\test2\SYSAUX01.DBF';
SET NEWNAME FOR DATAFILE 3 TO 'C:\DATABASE\test2\UNDOTBS01.DBF';
SET NEWNAME FOR DATAFILE 4 TO 'C:\DATABASE\test2\USERS01.DBF';
restore database;
SWITCH DATAFILE ALL;
Recover database;
}
```

Restore Oracle RMAN Backup on Windows

```

Administrator: Command Prompt - rman target /

Copyright (c) 1982, 2011, Oracle and/or its affiliates. All rights reserved.
connected to target database: CONUD (DBID=1759937670, not open)

RMAN> run<
2> SET NEWNAME FOR DATAFILE 1 TO 'C:\DATABASE\TEST2\SYSTEM01.DBF';
3> SET NEWNAME FOR DATAFILE 2 TO 'C:\DATABASE\TEST2\SYSAUX01.DBF';
4> SET NEWNAME FOR DATAFILE 3 TO 'C:\DATABASE\TEST2\UNDOTBS01.DBF';
5> SET NEWNAME FOR DATAFILE 4 TO 'C:\DATABASE\TEST2\USERS01.DBF';
6> restore database;
7> SWITCH DATAFILE ALL;
8> Recover database;
9> >

executing command: SET NEWNAME
executing command: SET NEWNAME
executing command: SET NEWNAME
executing command: SET NEWNAME
Starting restore at 12-OCT-24

Administrator: Command Prompt - rman target /

8> Recover database;
9> >

executing command: SET NEWNAME
executing command: SET NEWNAME
executing command: SET NEWNAME
executing command: SET NEWNAME

Starting restore at 12-OCT-24
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=1 device type=DISK

channel ORA_DISK_1: starting datafile backup set restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
channel ORA_DISK_1: restoring datafile 00001 to C:\DATABASE\TEST2\SYSTEM01.DBF
channel ORA_DISK_1: restoring datafile 00002 to C:\DATABASE\TEST2\SYSAUX01.DBF
channel ORA_DISK_1: restoring datafile 00003 to C:\DATABASE\TEST2\UNDOTBS01.DBF
channel ORA_DISK_1: restoring datafile 00004 to C:\DATABASE\TEST2\USERS01.DBF
channel ORA_DISK_1: reading from backup piece C:\BACKUPS_NEW\LEVEL0_DB_08364ADM
i_1_28_09_2024.BKP
  
```

Restore Oracle RMAN Backup on Windows

```

Administrator: Command Prompt - rman target /
using target database control file instead of recovery catalog
allocated channel: ORA_DISK_1
channel ORA_DISK_1: SID=1 device type=DISK

channel ORA_DISK_1: starting datafile backup set restore
channel ORA_DISK_1: specifying datafile(s) to restore from backup set
channel ORA_DISK_1: restoring datafile 00001 to C:\DATABASE\TEST2\SYSTEM01.DBF
channel ORA_DISK_1: restoring datafile 00002 to C:\DATABASE\TEST2\SYSAUX01.DBF
channel ORA_DISK_1: restoring datafile 00003 to C:\DATABASE\TEST2\UNDOTBS01.DBF
channel ORA_DISK_1: restoring datafile 00004 to C:\DATABASE\TEST2\USERS01.DBF
channel ORA_DISK_1: reading from backup piece C:\BACKUPS_NEW\LEVEL0_DB_08364ADM_
1_1_28_09_2024.BKP
channel ORA_DISK_1: piece handle=C:\BACKUPS_NEW\LEVEL0_DB_08364ADM_1_1_28_09_202
4.BKP tag=TAC20240928T023846
channel ORA_DISK_1: restored backup piece 1
channel ORA_DISK_1: restore complete, elapsed time: 00:00:55
Finished restore at 12-OCT-24

datafile 1 switched to datafile copy
input datafile copy RECID=5 STAMP=1182138377 file name=C:\DATABASE\TEST2\SYSTEM0
1.DBF
datafile 2 switched to datafile copy
input datafile copy RECID=6 STAMP=1182138377 file name=C:\DATABASE\TEST2\SYSAUX0
1.DBF
datafile 3 switched to datafile copy
input datafile copy RECID=7 STAMP=1182138377 file name=C:\DATABASE\TEST2\UNDOTBS
01.DBF
datafile 4 switched to datafile copy
input datafile copy RECID=8 STAMP=1182138377 file name=C:\DATABASE\TEST2\USERS01
.DBF

Starting recover at 12-OCT-24
using channel ORA_DISK_1

starting media recovery

archived log for thread 1 with sequence 3 is already on disk as file C:\DATABASE
\CONUD\REDO03.LOG
archived log for thread 1 with sequence 4 is already on disk as file C:\DATABASE
\CONUD\REDO01.LOG
archived log for thread 1 with sequence 5 is already on disk as file C:\DATABASE
\CONUD\REDO02.LOG
archived log file name=C:\DATABASE\CONUD\REDO03.LOG thread=1 sequence=3
archived log file name=C:\DATABASE\CONUD\REDO01.LOG thread=1 sequence=4
archived log file name=C:\DATABASE\CONUD\REDO02.LOG thread=1 sequence=5
media recovery complete, elapsed time: 00:00:01
Finished recover at 12-OCT-24

RMAN>

```

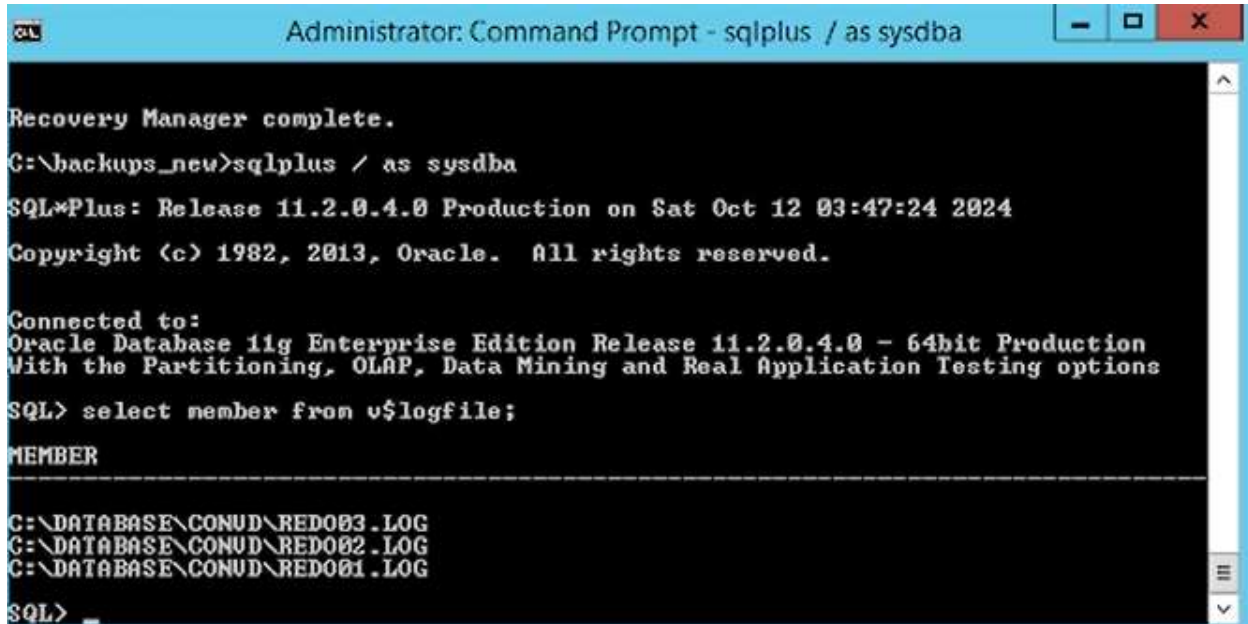
Restore Oracle RMAN Backup on Windows

Change Path of Redo Log File

Note: be careful copy paste in windows and remove spaces

Sqlplus / as sysdba

```
select 'Alter database rename file ' || ''' || member || ''' || ' to ' || ''' || member || ''' || ';' from v$logfile;
```



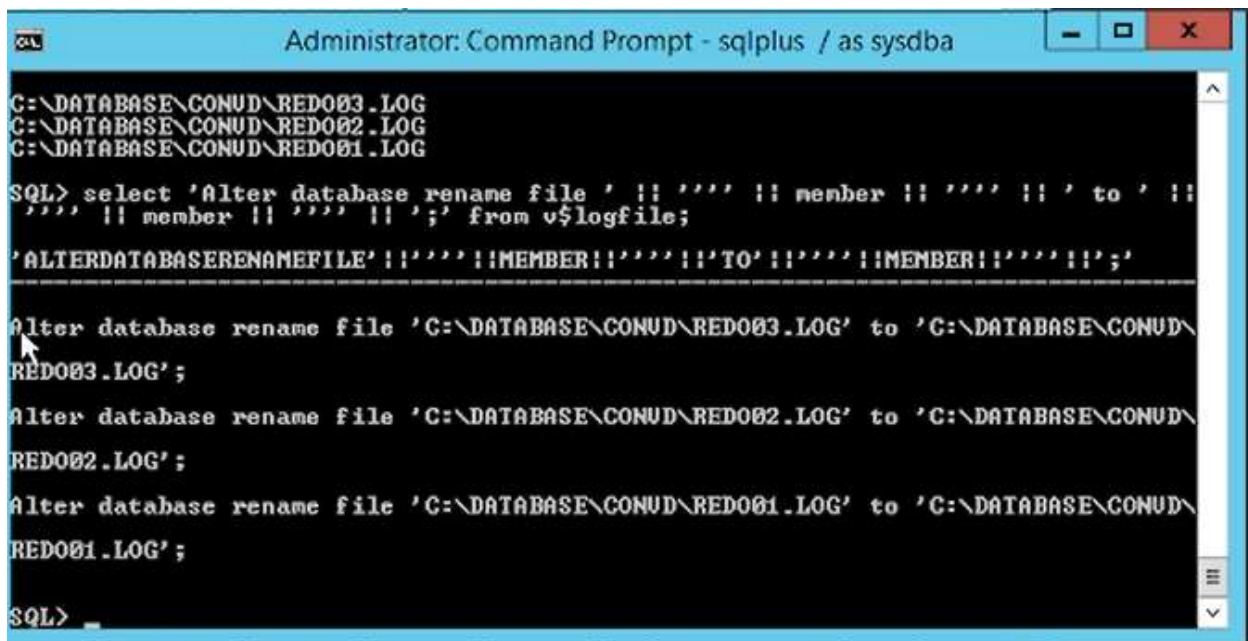
```
Administrator: Command Prompt - sqlplus / as sysdba

Recovery Manager complete.
C:\backups_new>sqlplus / as sysdba

SQL*Plus: Release 11.2.0.4.0 Production on Sat Oct 12 03:47:24 2024
Copyright (c) 1982, 2013, Oracle. All rights reserved.

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> select member from v$logfile;

MEMBER
-----
C:\DATABASE\CONUD\REDO03.LOG
C:\DATABASE\CONUD\REDO02.LOG
C:\DATABASE\CONUD\REDO01.LOG
SQL> _
```



```
Administrator: Command Prompt - sqlplus / as sysdba

C:\DATABASE\CONUD\REDO03.LOG
C:\DATABASE\CONUD\REDO02.LOG
C:\DATABASE\CONUD\REDO01.LOG

SQL> select 'Alter database rename file ' || ''' || member || ''' || ' to ' || ''' || member || ''' || ';' from v$logfile;

'ALTERDATABASERENAMEFILE' || ''' || MEMBER || ''' || ' TO ' || ''' || MEMBER || ''' || ';'

Alter database rename file 'C:\DATABASE\CONUD\REDO03.LOG' to 'C:\DATABASE\CONUD\
REDO03.LOG';
Alter database rename file 'C:\DATABASE\CONUD\REDO02.LOG' to 'C:\DATABASE\CONUD\
REDO02.LOG';
Alter database rename file 'C:\DATABASE\CONUD\REDO01.LOG' to 'C:\DATABASE\CONUD\
REDO01.LOG';

SQL> _
```



Restore Oracle RMAN Backup on Windows

Alter database rename file 'C:\DATABASE\CONVD\REDO03.LOG' to 'C:\DATABASE\TEST2\REDO03.LOG';

Alter database rename file 'C:\DATABASE\CONVD\REDO02.LOG' to 'C:\DATABASE\TEST2\REDO02.LOG';

Alter database rename file 'C:\DATABASE\CONVD\REDO01.LOG' to 'C:\DATABASE\TEST2\REDO01.LOG';

```
Administrator: Command Prompt - sqlplus / as sysdba
Alter database rename file 'C:\DATABASE\CONVD\REDO02.LOG' to 'C:\DATABASE\CONVD\
REDO02.LOG';
Alter database rename file 'C:\DATABASE\CONVD\REDO01.LOG' to 'C:\DATABASE\CONVD\
REDO01.LOG';

SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO03.LOG' to 'C:\DATABASE\T
EST2\REDO03.LOG';
Database altered.

SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO02.LOG' to 'C:\DATABASE\T
EST2\REDO02.LOG';
Database altered.

SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO01.LOG' to 'C:\DATABASE\T
EST2\REDO01.LOG';
Database altered.

SQL> _
```

Select member from v\$logfile;

```
Administrator: Command Prompt - sqlplus / as sysdba
SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO03.LOG' to 'C:\DATABASE\T
EST2\REDO03.LOG';
Database altered.

SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO02.LOG' to 'C:\DATABASE\T
EST2\REDO02.LOG';
Database altered.

SQL> Alter database rename file 'C:\DATABASE\CONVD\REDO01.LOG' to 'C:\DATABASE\T
EST2\REDO01.LOG';
Database altered.

SQL> select member from v$logfile;
MEMBER
-----
C:\DATABASE\TEST2\REDO03.LOG
C:\DATABASE\TEST2\REDO02.LOG
C:\DATABASE\TEST2\REDO01.LOG

SQL> _
```

Restore Oracle RMAN Backup on Windows

Change Path of Temp Files

Note: be careful copy paste in windows and remove spaces

select 'Alter database rename file ' || ''' || name || ''' || ' to ' || ''' || name || ''' || ';' from v\$tempfile;

```
SQL> select 'Alter database rename file ' || ''' || name || ''' || ' to ' || ''' || name || ''' || ';' from v$tempfile;

'ALTERDATABASERENAMEFILE' || ''' || NAME || ''' || ' TO ' || ''' || NAME || ''' || ';'

Alter database rename file 'C:\DATABASE\CONUD\TEMP01.DBF' to 'C:\DATABASE\CONUD\TEMP01.DBF';

SQL> _
```

Alter database rename file 'C:\DATABASE\CONVD\TEMP01.DBF' to 'C:\DATABASE\TEST2\TEMP01.DBF';

```
SQL> Alter database rename file 'C:\DATABASE\CONUD\TEMP01.DBF' to 'C:\DATABASE\TEST2\TEMP01.DBF';

Database altered.

SQL> _
```

Select name from v\$tempfile;

```
SQL> Alter database rename file 'C:\DATABASE\CONUD\TEMP01.DBF' to 'C:\DATABASE\TEST2\TEMP01.DBF';

Database altered.

SQL> select name from v$tempfile;

NAME
-----
C:\DATABASE\TEST2\TEMP01.DBF

SQL> _
```

Restore Oracle RMAN Backup on Windows

Open Database

sqlplus / as sysdba

recover database using backup controlfile until cancel;

```
Administrator: Command Prompt - sqlplus / as sysdba

TEMP01.DBF';

SQL> Alter database rename file 'C:\DATABASE\CONUD\TEMP01.DBF' to 'C:\DATABASE\TEST2\TEMP01.DBF';

Database altered.

SQL> select name from v$tempfile;

NAME
-----
C:\DATABASE\TEST2\TEMP01.DBF

SQL> recover database using backup controlfile until cancel;
ORA-00279: change 934494 generated at 10/12/2024 03:45:42 needed for thread 1
ORA-00289: suggestion :
C:\DATABASE\FLASHRECOVERY\TEST2\ARCHIVELOG\2024_10_12\01_MF_1_5_2U_.ARC
ORA-00280: change 934494 for thread 1 is in sequence #5

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

Alter database open resetlogs;

```
Administrator: Command Prompt - sqlplus / as sysdba

C:\DATABASE\TEST2\TEMP01.DBF

SQL> recover database using backup controlfile until cancel;
ORA-00279: change 934494 generated at 10/12/2024 03:45:42 needed for thread 1
ORA-00289: suggestion :
C:\DATABASE\FLASHRECOVERY\TEST2\ARCHIVELOG\2024_10_12\01_MF_1_5_2U_.ARC
ORA-00280: change 934494 for thread 1 is in sequence #5

Specify log: <<RET>=suggested | filename | AUTO | CANCEL>
cancel;
ORA-00308: cannot open archived log 'cancel;'
ORA-27041: unable to open file
OSD-04002: unable to open file
O/S-Error: (OS 2) The system cannot find the file specified.

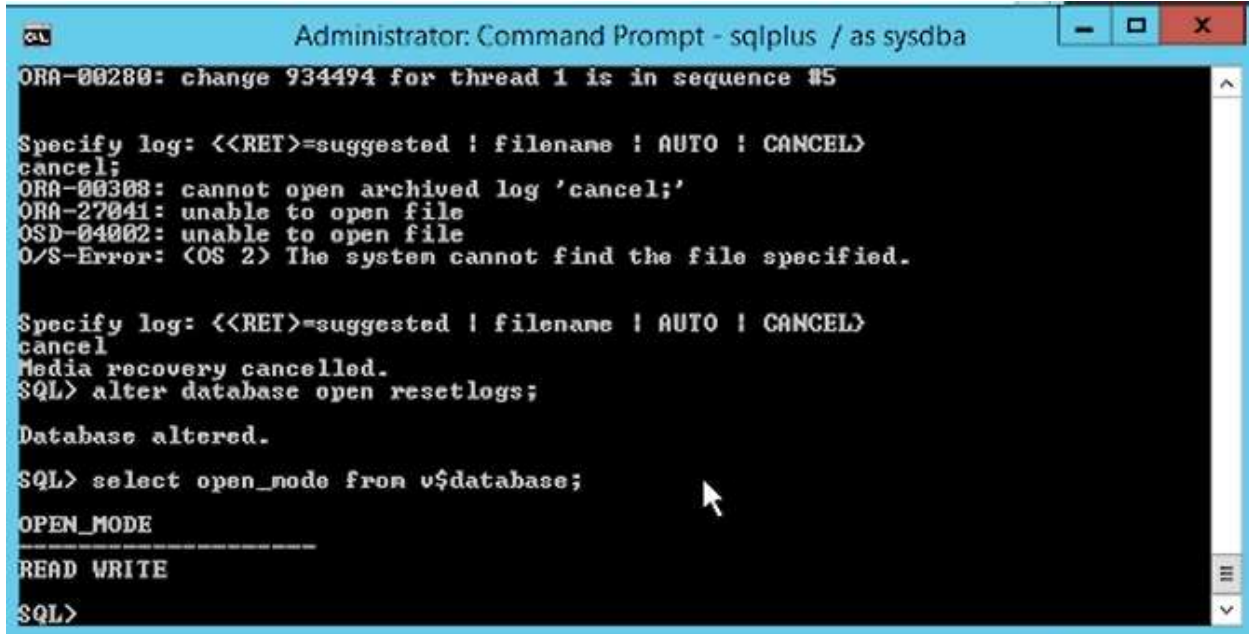
Specify log: <<RET>=suggested | filename | AUTO | CANCEL>
cancel
Media recovery cancelled.
SQL> alter database open resetlogs;

Database altered.

SQL>
```

Restore Oracle RMAN Backup on Windows

Select open_mode from v\$database;



```
Administrator: Command Prompt - sqlplus / as sysdba
ORA-00280: change 934494 for thread 1 is in sequence #5

Specify log: <<RET>=suggested : filename : AUTO : CANCEL>
cancel;
ORA-00308: cannot open archived log 'cancel;'
ORA-27041: unable to open file
OSD-04002: unable to open file
O/S-Error: (OS 2) The system cannot find the file specified.

Specify log: <<RET>=suggested : filename : AUTO : CANCEL>
cancel
Media recovery cancelled.
SQL> alter database open resetlogs;

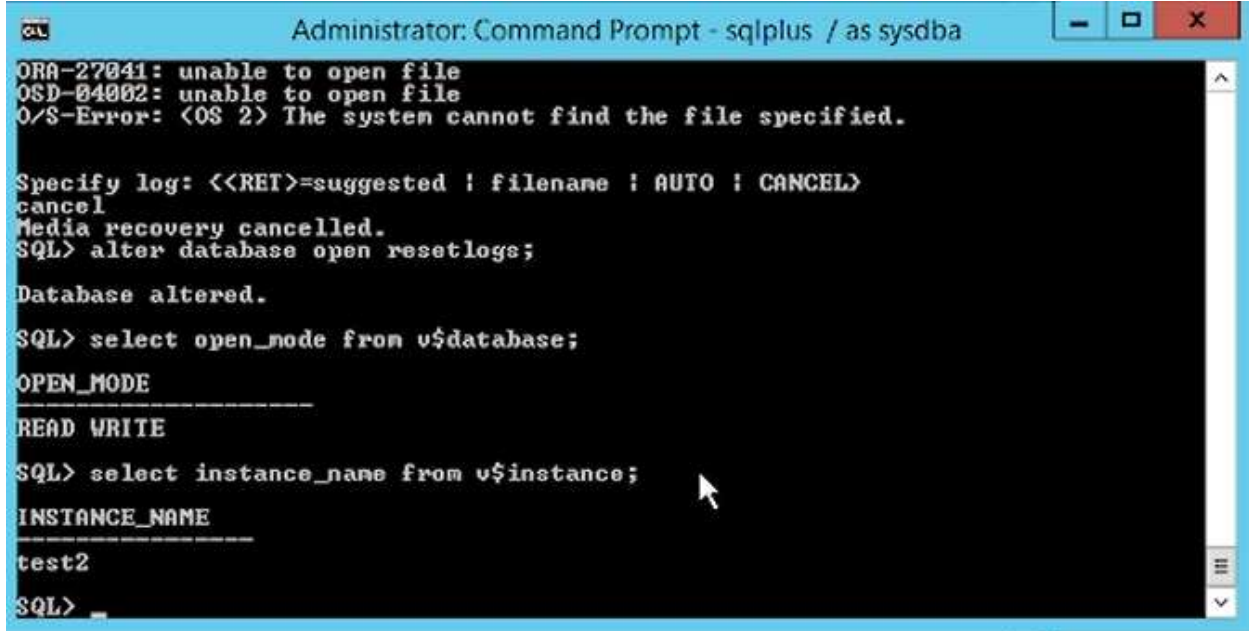
Database altered.

SQL> select open_mode from v$database;

OPEN_MODE
-----
READ WRITE

SQL>
```

Select instance_name from v\$instance;



```
Administrator: Command Prompt - sqlplus / as sysdba
ORA-27041: unable to open file
OSD-04002: unable to open file
O/S-Error: (OS 2) The system cannot find the file specified.

Specify log: <<RET>=suggested : filename : AUTO : CANCEL>
cancel
Media recovery cancelled.
SQL> alter database open resetlogs;

Database altered.

SQL> select open_mode from v$database;

OPEN_MODE
-----
READ WRITE

SQL> select instance_name from v$instance;

INSTANCE_NAME
-----
test2

SQL>
```



Restore Oracle RMAN Backup on Windows

Full Script

open command prompt

```
set oracle_sid=test2
oradim -NEW -SID test2 -STARTMODE auto -PFILE
C:\app\Administrator\product\11.2.0\dbhome_1\database\inittest2.ora
rman target /
Restore spfile from 'C:\backups_new\LEVEL0_SPFILE_0D364AFC_1_1_28_09_2024.BKP';
```

```
exit
```

```
sqlplus / as sysdba
```

```
Create pfile from spfile;
```

```
exit;
```

Change Pfile Accordingly

```
sqlplus / as sysdba
```

```
shutdown immediate
```

```
exit
```

```
sqlplus / as sysdba
```

```
Create spfile from pfile;
```

```
exit
```

```
mkdir c:\database\test2
```

```
mkdir C:\Database\flashrecovery\test2
```

```
rman target /
```

```
Restore controlfile from 'C:\backups_new\LEVEL0_DBCTL_0A364AF6_1_1_28_09_2024.BKP';
```

```
Crosscheck backup;
```

```
delete expired backup;
```

```
catalog start with 'C:\backups_new';
```

```
exit;
```

```
sqlplus / as sysdba
```

```
select 'SET NEWNAME FOR DATAFILE ' || file# || ' TO ' || '''' || name || '''' || ';' from v$datafile;
```

```
exit
```

Make script of Restore and Change Like below

```
rman target /
```

```
run{
```

```
SET NEWNAME FOR DATAFILE 1 TO 'C:\DATABASE\TEST2\SYSTEM01.DBF';
```

```
SET NEWNAME FOR DATAFILE 2 TO 'C:\DATABASE\TEST2\SYS_AUX01.DBF';
```

```
SET NEWNAME FOR DATAFILE 3 TO 'C:\DATABASE\TEST2\UNDOTBS01.DBF';
```

```
SET NEWNAME FOR DATAFILE 4 TO 'C:\DATABASE\TEST2\USERS01.DBF';
```

```
restore database;
```

```
SWITCH DATAFILE ALL;
```

```
Recover database;
```

```
}
```

```
exit
```

```
sqlplus / as sysdba
```

```
select 'Alter database rename file ' || '''' || member || '''' || ' to ' || '''' || member || '''' || ';' from
v$logfile;
```



Restore Oracle RMAN Backup on Windows

```
Alter database rename file 'C:\DATABASE\CONVD\REDO03.LOG' to 'C:\DATABASE\TEST2\REDO03.LOG';
Alter database rename file 'C:\DATABASE\CONVD\REDO02.LOG' to 'C:\DATABASE\TEST2\REDO02.LOG';
Alter database rename file 'C:\DATABASE\CONVD\REDO01.LOG' to 'C:\DATABASE\TEST2\REDO01.LOG';
Select member from v$logfile;
select 'Alter database rename file ' || '"' || name || '"' || ' to ' || '"' || name || '"' || ';' from
v$tempfile;
Alter database rename file 'C:\DATABASE\CONVD\TEMP01.DBF' to 'C:\DATABASE\TEST2\TEMP01.DBF';
Select name from v$tempfile;
recover database using backup controlfile until cancel;
Enter "Cancel" " Media Recovery Cancel" should show.
Alter database open resetlogs;
Select open_mode from v$database;
Select instance_name from v$instance;
```