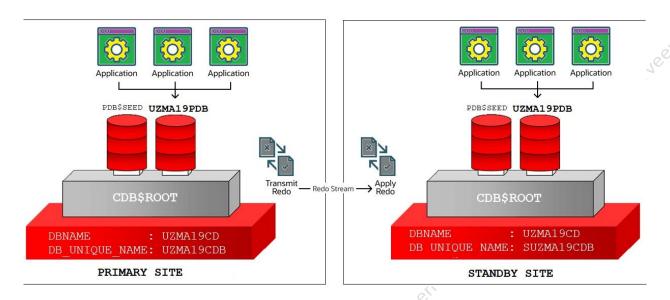
# **ORACLE** 19c CDB/PDB STANDBY CREATION



In this document I will show step by step configuration of Oracle 19c standby for CDB/PDB on the below environment.

# **ENVIRONMENT**

Let us understand our environment.

	SOURCE / PRIMARY	TARGET / STANDBY	
OS / VERSION	Oracle Linux Server 7.9	Oracle Linux Server 7.9	
OS KERNEL	Linux 3.10.0-1160.el7.x86_64	Linux 3.10.0-1160.el7.x86_64	
HOSTNAME	OMMAC1.localdomain	SOMMAC1.localdomain	
IP ADDRESS	192.168.56.230	192.168.56.240	
DB NAME	uzma19cd	uzma19cd	
DB UNIQUE NAME	uzma19cdb	suzma19cdb	
PDB NAME	uzma19pdb	Uzma19pdb	
DB VERSION	19.3.0	19.3.0	
ORACLE HOME	/u02/app/oracle/product/19.3.0/db_1	/u02/app/oracle/product/19.3.0/db_1	
CDB DATAFILE	/u02/app/oracle/oradata/UZMA19CDB/	/u02/app/oracle/oradata/SUZMA19CDB/	
SEED DATAFILE	/u02/app/oracle/oradata/UZMA19CDB/pdbseed	/u02/app/oracle/oradata/SUZMA19CDB/pdbseed	
PDB DATAFILE	/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb	/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb	
REDO LOGFILE	/u02/app/oracle/oradata/UZMA19CDB/	/u02/app/oracle/oradata/SUZMA19CDB/	
FILE SYSTEM	Non – ASM	Non – ASM	

# Note:

- On Primary site we have oracle binaries installed with database (uzma19cd) created
- On Standby site we have oracle binaries installed.

#### THE FORCE LOGGING IS NO AT PRIMARY DATABASE

```
[oracle@OMmacl ~]$
[oracle@OMmacl ~]$ ps -ef|grep -i pmon |grep -v grep
oracle 20071
                  1 0 08:52 ?
                                       00:00:05 ora pmon uzma19cdb
[oracle@OMmacl ~]$
[oracle@OMmacl ~]$ . oraenv
ORACLE SID = [uzmal9cdb] ? uzmal9cdb
The Oracle base remains unchanged with value /u02/app/oracle
[oracle@OMmacl ~]$
[oracle@OMmacl ~]$ sqlplus "/ as sysdba"
SQL*Plus: Release 19.0.0.0.0 - Production on Fri Mar 10 19:03:12 2023
Version 19.3.0.0.0
Copyright (c) 1982, 2019, Oracle. All rights reserved.
Connected to:
Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production
Version 19.3.0.0.0
SQL> col force_logging for al5
set lines 300 pages 100
select name, open mode, database role, flashback on, force logging, log mode from v$database; SQL> SQL>
NAME
         OPEN MODE
                               DATABASE ROLE
                                                FLASHBACK ON
                                                                   FORCE LOGGING
                                                                                   LOG MODE
UZMA19CD READ WRITE
                               PRIMARY
                                                NO
                                                                                   ARCHIVELOG
                                                                   NO
```

# STEPS TO ENABLE FORCE LOGGING AT PRIMARY DATABASE

```
SQL> shut immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL>
SQL> startup mount
ORACLE instance started.
Total System Global Area 603979240 bytes
Fixed Size
                            9137640 bytes
Variable Size
                           272629760 bytes
Database Buffers
                          318767104 bytes
Redo Buffers
                             3444736 bytes
Database mounted.
SQL>
SQL> ALTER DATABASE FORCE LOGGING;
Database altered.
SQL> alter database open;
Database altered.
SQL> col force_logging for al5
SQL> set lines 300 pages 100
SQL> select name,open_mode,database_role,flashback_on,force_logging,log_mode from v$database;
                                                                       FORCE LOGGING
NAME
          OPEN MODE
                                DATABASE ROLE
                                                  FLASHBACK ON
                                                                                       LOG MODE
UZMA19CD READ WRITE
                                PRIMARY
                                                                                       ARCHIVELOG
                                                  NO
```

# STEPS TO OPEN PDBs AND SAVE STATE

```
SQL> show pdbs
    CON ID CON NAME
                                          OPEN MODE RESTRICTED
                                          READ ONLY NO
        2 PDB$SEED
         3 UZMA19PDB
                                          MOUNTED
SQL>
SQL> alter pluggable database UZMA19PDB open read write;
Pluggable database altered.
SQL> show pdbs
    CON ID CON NAME
                                          OPEN MODE RESTRICTED
         2 PDB$SEED
                                          READ ONLY NO
         3 UZMA19PDB
                                          READ WRITE NO
SOL>
SQL> alter pluggable database UZMA19PDB save state;
Pluggable database altered.
```

# CDB - PDB STATUS AT PRIMARY

```
SQL> select name, open_mode, database_role, flashback_on, force_logging, log_mode from v$database;
                          DATABASE_ROLE FLASHBACK_ON
NAME
       OPEN_MODE
                                                           FORCE_LOGGING LOG_MODE
UZMA19CD READ WRITE PRIMARY NO
                                                           YES
                                                                   ARCHIVELOG
SQL> show parameter db name
NAME
                                           VALUE
                                           uzma19cd
db name
SOL>
SQL> show parameter db unique name
                               TYPE
                                           VALUE
db_unique_name
                                 string
                                            uzma19cdb
SOL>
SQL> show pdbs
   CON ID CON NAME
                                     OPEN MODE RESTRICTED
                                    READ ONLY NO
       2 PDB$SEED
        3 UZMA19PDB
                                     READ WRITE NO
SQL>
```

# REDO LOGS AND STANDBY REDO LOGS STATUS AT PRIMARY DATABASE

SQL> col member for a50 SQL> SELECT GROUP#,STATUS,TYPE,MEMBER FROM V\$LOGFILE;						
GROUP# STATUS	TYPE	MEMBER				
3	ONLINE	/u02/a	pp/o	oracle/orad	lata/UZMA19CI	DB/redo03.log
2	ONLINE					OB/redo02.log
1	ONLINE	/u02/a	pp/o	oracle/orac	lata/UZMA19CI	OB/redo01.log
SQL> SELECT GROUP#,					TATUS, BYTES	FROM V\$LOG;
GROUP# THRE	AD# SEQ	UENCE#	ARC	STATUS		BYTES
1	1	28	YES	INACTIVE	524	128800
2	1	29	NO	CURRENT	524	128800
3	1	27	YES	INACTIVE	524	128800
SQL> SELECT GROUP#,THREAD#,SEQUENCE#,ARCHIVED,STATUS FROM V\$STANDBY_LOG; no rows selected  SQL>						

# CREATE STANDBY REDO LOG (SRL)

```
SQL> alter database add standby logfile group 4 '/u02/app/oracle/oradata/UZMAl9CDB/redo04.log' size 50m;

Database altered.

SQL> alter database add standby logfile group 5 '/u02/app/oracle/oradata/UZMAl9CDB/redo05.log' size 50m;

Database altered.

SQL> alter database add standby logfile group 6 '/u02/app/oracle/oradata/UZMAl9CDB/redo06.log' size 50m;

Database altered.

SQL> alter database add standby logfile group 7 '/u02/app/oracle/oradata/UZMAl9CDB/redo07.log' size 50m;

Database altered.
```

# STANDBY REDO LOGS STATUS AT PRIMARY DATABASE

3 ONLINE /u02/app/oracle/oradata/UZMA19CDB/red003. 2 ONLINE /u02/app/oracle/oradata/UZMA19CDB/red001. 1 ONLINE /u02/app/oracle/oradata/UZMA19CDB/red001. 4 STANDBY /u02/app/oracle/oradata/UZMA19CDB/red004. 5 STANDBY /u02/app/oracle/oradata/UZMA19CDB/red005. 6 STANDBY /u02/app/oracle/oradata/UZMA19CDB/red005. 7 Tows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_ GROUP# THREAD# SEQUENCE# ARC STATUS	GROUP# 5		E MEMBE			
1 ONLINE /u02/app/oracle/oradata/UZMA19CDB/redo01. 4 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo04. 5 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo05. 6 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo06. 7 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo07.  7 rows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED 8QL>						
4 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo04. 5 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo05. 6 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo06. 7 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo07.  7 rows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>						
6 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo06. 7 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo07.  7 rows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>  SQL>						
7 STANDBY /u02/app/oracle/oradata/UZMA19CDB/redo07.  7 rows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>  SQL>						
7 rows selected.  SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>  SQL>						
SQL> SELECT GROUP#, THREAD#, SEQUENCE#, ARCHIVED, STATUS FROM V\$STANDBY_  GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>  SQL>	-7	STA	NDBY /u02/	app/o	oracie/oradata/UZMA19CDB/r	edou7.
GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED SQL>	7 rows selec	ted.				
GROUP# THREAD# SEQUENCE# ARC STATUS  4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED  SQL>						
4 0 0 YES UNASSIGNED 5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 0 YES UNASSIGNED SQL>	SQL> SELECT	GROUP#,THR	EAD#, SEQUE	NCE#,	ARCHIVED, STATUS FROM V\$ST,	ANDBY_
5 0 0 YES UNASSIGNED 6 0 YES UNASSIGNED 7 0 YES UNASSIGNED  SQL>  SQL>	GROUP#	THREAD#	SEQUENCE#	ARC	STATUS	
5 0 0 YES UNASSIGNED 6 0 0 YES UNASSIGNED 7 0 VES UNASSIGNED  SQL>						
6 0 0 YES UNASSIGNED 7 0 YES UNASSIGNED  SQL>						
5QL> 0 YES UNASSIGNED  SQL> 0 YES UNASSIGNED						
SOL> OBSOL*						
SQL>  Janaparveen outbark hilde  Janaparveen out	_					
oespot.com	SQL>		100			
obspot.com Juna Parveen outbank			0.0			
ogspot.com Junaparveen ordi						
ogspot.com			100°			
Jogspot.com Jimaparve			3/0a/c			
Joespot.com Jizmapio		eno	Posit			
July Spot. Com		arveenor	Post			
Jog Spat. Com		al alueer of	302,			
Joës ook. con.		a Parveer of	303°C			
NOESPOX.	JIN	a Parveen or	Nog.			
Joe <sup>50</sup>	com Jin	a Parveer of	302			
	ok.com Jin	a Parveen or	Nog.			
	ospot.com Jir	a Parveer of	No.			
	Joespot com Jun	a Parveen or	Nog.			
	Joes Pot. com Jizh	a Parveen or	No.			

### TNSNAMES ENTRY FOR PRIMARY & STANDBY DATABASES AT PRIMARY SITE

```
aParveen o.dbare.k
            LISTENER UZMA19CDB =
               (ADDRESS LIST =
                 (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1556))
                 (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1555))
            UZMA19CDB =
               (DESCRIPTION =
                 (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1556))
                 (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1555))
                 (CONNECT DATA =
                   (SERVER = DEDICATED)
                   (SERVICE NAME = uzma19cdb)
            SUZMA19CDB =
               (DESCRIPTION =
                 (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1556))
                 (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1555))
                (CONNECT DATA =
                   (SERVER = DEDICATED)
                   (SERVICE NAME = suzma19cdb)
             [oracle@OMmacl admin]$
             [oracle@OMmacl admin]$ pwd
             /u02/app/oracle/product/19.3.0/db_1/network/admin
en o doare blogspot com Jimaparveen c
             [oracle@OMmacl admin]$
```

#### LISTENER STATUS AT PRIMARY SITE

```
[oracle@OMmacl admin]$
             [oracle@OMmacl admin] $ 1snrctl status LISTENER UZMA19CDB
             LSNRCTL for Linux: Version 19.0.0.0.0 - Production on 10-MAR-2023 19:31:20
             Copyright (c) 1991, 2019, Oracle. All rights reserved.
             Connecting to (ADDRESS=(PROTOCOL=TCP) (HOST=OMMAC1.localdomain) (PORT=1556))
             TNS-12541: TNS:no listener
              TNS-12560: TNS:protocol adapter error
              TNS-00511: No listener
               Linux Error: 111: Connection refused
             Connecting to (ADDRESS=(PROTOCOL=TCP)(HOST=OMMAC1.localdomain)(PORT=1555))
             STATUS of the LISTENER
             Alias
                                     L 19C
             Version
                                      TNSLSNR for Linux: Version 19.0.0.0.0 - Production
             Start Date
                                      24-FEB-2023 04:14:52
             Uptime
                                      14 days 15 hr. 16 min. 28 sec
             Trace Level
                                      off
             Security
                                      ON: Local OS Authentication
             SNMP
                                      OFF
             Listener Parameter File /u02/app/oracle/product/19.3.0/db 1/network/admin/listener.ora
             Listener Log File /u02/app/oracle/diag/tnslsnr/OMmacl/l 19c/alert/log.xml
             Listening Endpoints Summary...
              (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=OMmac1)(PORT=1555)))
               (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1555)))
             Services Summary...
             Service "86b637b62fdf7a65e053f706e80a27ca" has 1 instance(s).
              Instance "uzmal9cdb", status READY, has 1 handler(s) for this service...
             Service "f68506ad9eee4edfe053e638a8c01059" has 1 instance(s).
              Instance "uzmal9cdb", status READY, has 1 handler(s) for this service...
             Service "uzmal9cdb" has 1 instance(s).
              Instance "uzmal9cdb", status READY, has 1 handler(s) for this service...
             Service "uzmal9cdbXDB" has 1 instance(s).
              Instance "uzmal9cdb", status READY, has 1 handler(s) for this service...
             Service "uzmal9pdb" has l instance(s).
              Instance "uzmal9cdb", status READY, has 1 handler(s) for this service...
en o do a fe. blog spot. com Uzma
             The command completed successfully
             [oracle@OMmacl admin]$
```

#### TNSNAMES ENTRY FOR PRIMARY & STANDBY DATABASES AT STANDBY SITE

```
Rarveen o dbarbit
LISTENER SUZMA19CDB =
  (ADDRESS LIST =
    (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1556))
    (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1555))
UZMA19CDB =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1556))
    (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1555))
    (CONNECT DATA =
      (SERVER = DEDICATED)
      (SERVICE NAME = uzmal9cdb)
    )
  )
SUZMA19CDB =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1556))
    (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1555))
    (CONNECT DATA =
      (SERVER = DEDICATED)
      (SERVICE NAME = suzmal9cdb)
[oracle@sommacl admin]$ pwd
/u02/app/oracle/product/19.3.0/db 1/network/admin
[oracle@sommacl admin]$
```

# LISTENER ENTRY FOR STANDBY DATABASE AT STANDBY SITE

#### START LISTENER FOR STANDBY DATABASES AT STANDBY SITE

```
Jeen ordbark.
                 [oracle@sommacl ~]$
                 [oracle@sommac1 ~]$ lsnrctl start LISTENER SUZMA19CDB
                LSNRCTL for Linux: Version 19.0.0.0.0 - Production on 11-MAR-2023 00:43:37
                Copyright (c) 1991, 2019, Oracle. All rights reserved.
                Starting /u02/app/oracle/product/19.3.0/db 1/bin/tnslsnr: please wait...
                TNSLSNR for Linux: Version 19.0.0.0.0 - Production
                System parameter file is /u02/app/oracle/product/19.3.0/db 1/network/admin/listener.ora
                Log messages written to /u02/app/oracle/diag/tnslsnr/sommacl/listener_suzmal9cdb/alert/log.xml
                Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=SOMmacl)(PORT=1555)))
                Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1555)))
                Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=SOMMAC1.localdomain)(PORT=1555)))
                STATUS of the LISTENER
                Alias LISTENER_SUZMA19CDB

Version TNSLSNR for Linux: Version 19.0.0.0.0 - Production

Start Date 11-MAR-2023 00:43:38

Uptime 0 days 0 hr. 0 min. 2 sec

Trace Level off

Security ON: Local OS Authentication

SNMP OFF.
                SNMP
                                             OFF
                 Listener Parameter File /u02/app/oracle/product/19.3.0/db_1/network/admin/listener.ora
Listener Log File /u02/app/oracle/diag/tnslsnr/sommacl/listener_suzmal9cdb/alert/log.xml
                Listener Log File
                Listening Endpoints Summary...
                 (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=SOMmacl)(PORT=1555)))
                  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1555)))
                Services Summary...
                Service "suzmal9cdb" has 1 instance(s).
                  Instance "suzmal9cdb", status UNKNOWN, has 1 handler(s) for this service...
en o do a 8. hoe spot. com
                The command completed successfully
```

#### TNSPING PRIMARY DB FROM PRIMARY SITE

```
[oracle@OMmacl admin]$
[oracle@OMmacl admin]$ tnsping UZMA19CDB

TNS Ping Utility for Linux: Version 19.0.0.0.0 - Production on 10-MAR-2023 20:00
:37

Copyright (c) 1997, 2019, Oracle. All rights reserved.

Used parameter files:
/u02/app/oracle/product/19.3.0/db_1/network/admin/sqlnet.ora

Used TNSNAMES adapter to resolve the alias
Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.1 ocaldomain) (PORT = 1556)) (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.1 ocaldomain) (PORT = 1555)) (CONNECT_DATA = (SERVER = DEDICATED) (SERVICE_NAME = uzma19cdb)))
OK (0 msec)
[oracle@OMmacl admin]$
```

# TNSPING STANDBY DB FROM PRIMARY SITE

```
[oracle@OMmacl admin] tnsping SUZMA19CDB

TNS Ping Utility for Linux: Version 19.0.0.0.0 - Production on 10-MAR-2023 20:00:48

Copyright (c) 1997, 2019, Oracle. All rights reserved.

Used parameter files:
/u02/app/oracle/product/19.3.0/db_1/network/admin/sqlnet.ora

Used TNSNAMES adapter to resolve the alias
Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1. localdomain) (PORT = 1556)) (ADDRESS = (PROTOCOL = TCP) (HOST = SOMMAC1.localdomain) (PORT = 1555)) (CONNECT_DATA = (SERVER = DEDICATED) (SERVICE_NAME = suzma19cdb)))

OK (10 msec)
```

# TNSPING PRIMARY DB FROM STANDBY SITE

```
Jeen o dbarbit
[oracle@sommacl ~]$
[oracle@sommacl ~]$ tnsping UZMA19CDB
TNS Ping Utility for Linux: Version 19.0.0.0.0 - Production on 10-MAR-2023 19:59:00
Copyright (c) 1997, 2019, Oracle. All rights reserved.
Used parameter files:
/u02/app/oracle/product/19.3.0/db 1/network/admin/sqlnet.ora
Used TNSNAMES adapter to resolve the alias
Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = OMMAC1.localdom
ain) (PORT = 1556)) (ADDRESS = (PROTOCOL = TCP) (HOST = OMMAC1.localdomain) (PORT = 1555))
(CONNECT_DATA = (SERVER = DEDICATED) (SERVICE_NAME = uzma19cdb)))
OK (10 msec)
[oracle@sommacl ~]$
```

```
TNSPING STANDBY DB FROM STANDBY SITE
             [oracle@sommacl ~]$
             [oracle@sommacl ~]$ tnsping SUZMA19CDB
            TNS Ping Utility for Linux: Version 19.0.0.0.0 - Production on 10-MAR-2023 19:59:04
            Copyright (c) 1997, 2019, Oracle. All rights reserved.
            Used parameter files:
             /u02/app/oracle/product/19.3.0/db 1/network/admin/sqlnet.ora
            Used TNSNAMES adapter to resolve the alias
            Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = SOMMAC1.localdo
            main)(PORT = 1556)) (ADDRESS = (PROTOCOL = TCP)(HOST = SOMMAC1.localdomain)(PORT = 1555
             )) (CONNECT DATA = (SERVER = DEDICATED) (SERVICE NAME = suzmal9cdb)))
             OK (0 msec)
enodbarb.blogspo
             [oracle@sommacl ~]$
```

#### PRIMARY CDB-PDB DATAFILE LOCATION AT PRIMARY SITE

	DISTINCT DATAFILE PATH
CDB DATAFILE LOCATION	/u02/app/oracle/oradata/UZMA19CDB/
PDBSEED DATAFILE LOCATION	/u02/app/oracle/oradata/UZMA19CDB/pdbseed
PDB DATAFILE LOCATION	/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb

```
'aiveen o dhare'
SQL> set lines 300 pages 100
col db_unique_name for al5
select name, db unique name, status, flashback on, database role, open mode from v$database, v$instance;
NAME
          DB UNIQUE NAME STATUS
                                       FLASHBACK ON
                                                          DATABASE ROLE
                                                                           OPEN MODE
UZMA19CD uzma19cdb
                          OPEN
                                                          PRIMARY
                                                                           READ WRITE
SQL> col name for a70
SQL> select name from v$datafile;
NAME
/u02/app/oracle/oradata/UZMA19CDB/system01.dbf
/u02/app/oracle/oradata/UZMA19CDB/sysaux01.dbf
/u02/app/oracle/oradata/UZMA19CDB/undotbs01.dbf
/u02/app/oracle/oradata/UZMA19CDB/pdbseed/system01.dbf
/u02/app/oracle/oradata/UZMA19CDB/pdbseed/sysaux01.dbf
/u02/app/oracle/oradata/UZMA19CDB/users01.dbf
/u02/app/oracle/oradata/UZMA19CDB/pdbseed/undotbs01.dbf
/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/system01.dbf
/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/sysaux01.dbf
/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/undotbs01.dbf
/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/users01.dbf
ll rows selected.
```

# PRIMARY CDB LOGFILE LOCATION AT PRIMARY SITE

0	LOGFILE PATH
REDO LOGFILES LOCATION	/u02/app/oracle/oradata/UZMA19CDB/

```
SQL> col member for a70
SQL> select member from v$logfile;
/u02/app/oracle/oradata/UZMA19CDB/redo03.log
/u02/app/oracle/oradata/UZMA19CDB/redo02.log
/u02/app/oracle/oradata/UZMA19CDB/redo01.log
/u02/app/oracle/oradata/UZMA19CDB/redo04.log
/u02/app/oracle/oradata/UZMA19CDB/redo05.log
/u02/app/oracle/oradata/UZMA19CDB/redo06.log
u02/app/oracle/oradata/UZMA19CDB/redo07.log
 rows selected.
```

# CREATE DIRECTORIES AT STANDBY SITE

```
[oracle@sommacl ~]$
[oracle@sommacl ~]$ mkdir -p /u02/app/oracle/oradata/SUZMA19CDB/
[oracle@sommacl ~]$ mkdir -p /u02/app/oracle/oradata/SUZMA19CDB/pdbseed/
[oracle@sommacl ~]$ mkdir -p /u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/
[oracle@sommacl ~]$
[oracle@sommacl ~]$
[oracle@sommacl ~]$ mkdir -p /u02/app/oracle/arch
[oracle@sommacl ~]$ mkdir -p /u02/app/oracle/admin/suzma19cdb/adump/
[oracle@sommacl ~]$
```

# PRIMARY DB INIT PARAMETERS USED FOR STANDBY CREATION - BEFORE CHANGE

```
SQL> set lines 180
SQL> col name for a30
SQL> col value for a30
SQL> set pages 20
SQL> select name, value
from v$parameter
where name in ('db name', 'db unique name', 'log archive config',
'log archive dest l','log archive dest 2',
'log archive dest state 1', 'log archive dest state 2',
'remote login passwordfile','log archive format','log archive max processes',
'fal_server','db_file_name_convert','log_file_name_convert','standby_file_management');
NAME
                               VALUE
db file name convert
log file name convert
log archive dest 1
log archive dest 2
log archive dest state 1
                             enable
log archive dest state 2
                              enable
fal server
log archive config
log archive format
                              %t_%s_%r.dbf
log archive max processes
standby file management
                              MANUAL
remote login passwordfile
                              EXCLUSIVE
db name
                               uzma19cd
db unique name
                               uzma19cdb
14 rows selected.
```

### Note:

- Log\_archive\_dest\_state\_2 should be ENABLED after standby creation activity is complete.
- Log archive max processess should be set at per CPU resources available

#### ALTER PRIMARY DB INIT PARAMETERS TO BE USED FOR STANDBY CREATION

PARAMETER	SOURCE/PRIMARY VALUE
DB_UNIQUE_NAME	uzma19cdb
LOG_ARCHIVE_CONFIG	DG_CONFIG=(uzma19cdb, suzma19cdb)
LOG_ARCHIVE_DEST_1	LOCATION=use_db_recovery_file_dest VALID_FOR=(ALL_LOGFILES, ALL_ROLES)
	DB_UNIQUE_NAME=uzma19cdb
LOG_ARCHIVE_DEST_2	SERVICE=suzma19cdb NOAFFIRM ASYNC
	VALID_FOR=(ONLINE_LOGFILES, PRIMARY_ROLE) DB_UNIQUE_NAME=suzma19cdb
LOG_ARCHIVE_DEST_STATE_1	ENABLE
LOG_ARCHIVE_DEST_STATE_2	ENABLE
LOG_ARCHIVE_FORMAT	%t_%s_%r.dbf
LOG_ARCHIVE_MAX_PROCESSES	4
REMOTE_LOGIN_PASSWORDFILE	EXCLUSIVE
FAL_CLIENT	uzma19cdb
FAL_SERVER	suzma19cdb
DB_FILE_NAME_CONVERT	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /',' /u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /',
	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /pdbseed','/u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /pdbseed',
	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /uzma19pdb','/u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /uzma19pdb'
LOG_FILE_NAME_CONVERT	'/u02/app/oracle/oradata/UZMA19CDB/',' /u02/app/oracle/oradata/SUZMA19CDB/'
STANDBY_FILE_MANAGEMENT	AUTO
AUDIT_FILE_DEST	/u02/app/oracle/admin/suzma19cdb/adump

```
SQL> select name,db_unique_name,status, flashback_on, database_role,open_mode from v$database, v$instance;
                                 DB_UNIQUE_NAME STATUS
                     NAME
                                                                  FLASHBACK_ON
                                                                                        DATABASE_ROLE
                                                                                                           OPEN_MODE
                     UZMA19CD uzma19cdb
                                                   OPEN
                                                                  NO
                                                                                        PRIMARY
                                                                                                           READ WRITE
                     SQL> ALTER SYSTEM SET log_archive_config='dg_config=(uzmal9cdb,suzmal9cdb)' SCOPE=both;
                     System altered.
                     SQL> ALTER SYSTEM SET log_archive_dest_l='location=use_db_recovery_file_dest 2 valid_for=(all_logfiles,all_roles) db_unique_name=uzmal9cdb' SCOPE=both;
                     SQL> ALTER SYSTEM SET log_archive_dest_2='service=suzmal9cdb noaffirm async
                      2 valid_for=(online_logfiles,primary_role) db_unique_name=suzmal9cdb' SCOPE=both;
                     System altered.
                     SQL> ALTER SYSTEM SET fal_server='suzmal9cdb' SCOPE=both;
                     System altered.
                     SQL> ALTER SYSTEM SET fal_client='uzmal9cdb' SCOPE=both;
                     System altered.
                     SQL> ALTER SYSTEM SET standby_file_management='AUTO' SCOPE=both;
                     System altered.
                     .','SQL> ALTER SYSTEM SET db_file_name_convert='/u02/app/oracle/oradata/uzmal9cdb/','/u02/app/oracle/oradata/suzmal9cdb/
                       2 '/u02/app/oracle/oradata/uzmal9cdb/pdbseed/','/u02/app/oracle/oradata/suzmal9cdb/pdbseed/',
3 '/u02/app/oracle/oradata/uzmal9cdb/uzmal9pdb/','/u02/app/oracle/oradata/suzmal9cdb/uzmal9pdb/' scope=spfile;
                     System altered.
eno doa giblo
                      GQL> ALTER SYSTEM SET log_file_name_convert ='/u02/app/oracle/oradata/UZMA19CDB/',
                          '/u02/app/oracle/oradata/SUZMA19CDB/' scope=spfile;
                    System altered.
```

# PRIMARY DB INIT PARAMETERS TO BE USED FOR STANDBY CREATION - AFTER CHANGE AND DR BOUNCE

```
reen or Albarais
                  SQL> set lines 180 pages 30
                  col name for a30
                  col value for a72
                 select name, value
                 from v$parameter
                 where name in ('db_name','db_unique_name','log_archive_config',
                 'log_archive_dest_l','log_archive_dest_2',
'log_archive_dest_state_l','log_archive_dest_state_2',
'remote_login_passwordfile','log_archive_format','log_archive_max_processes',
                 'fal_server','db_file_name_convert','log_file_name_convert','standby_file_management');SQL> SQL> SQL>
                  NAME
                                                   VALUE
                 db file name convert
                                                   / \verb"u02/app/oracle/oradata/uzmal9cdb/, / \verb"u02/app/oracle/oradata/suzmal9cdb/, \\
                                                    /u02/app/oracle/oradata/uzmal9cdb/pdbseed/, /u02/app/oracle/oradata/suz
                                                   mal9cdb/pdbseed/, /u02/app/oracle/oradata/uzmal9cdb/uzmal9pdb/, /u02/app
                                                   /oracle/oradata/suzmal9cdb/uzmal9pdb/
                 log file name convert
                                                   /u02/app/oracle/oradata/UZMA19CDB/, /u02/app/oracle/oradata/SUZMA19CDB/
                                                   location=use_db_recovery_file_dest
                 log_archive_dest_l
                                                   valid_for=(all_logfiles,all_roles) db_unique_name=uzmal9cdb
                 log archive dest 2
                                                   service=suzmal9cdb noaffirm async
                                                   valid for=(online logfiles,primary role) db unique name=suzmal9cdb
                 log archive dest state 1
                                                   enable
                 log_archive_dest_state_2
                                                   enable
                 fal server
                                                   suzma19cdb
                 log_archive_config
log_archive_format
                                                   dg_config=(uzmal9cdb,suzmal9cdb)
                                                   %t %s %r.dbf
                 log archive max processes
                 standby_file_management
                                                   EXCLUSIVE
                  remote login passwordfile
                 db name
                                                   uzma19cd
                 db_unique_name
                                                   uzma19cdb
en o doa e blog spot com Jrma Parveen o doe
```

#### COPY & RENAME PASSWORD FILE FROM PRIMARY SITE TO STANDBY SITE

```
[oracle@OMmacl ~]$
[oracle@OMmacl dbs]$ pwd
/u02/app/oracle/product/19.3.0/db_1/dbs
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$ 1s -1rth orapwuzma19cdb
-rw-r----. 1 oracle oinstall 2.0K Mar 9 22:13 orapwuzma19cdb
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$ scp orapwuzma19cdb oracle@sommacl:$ORACLE_HOME/dbs/orapwsuzma19cdb
oracle@sommacl's password:
orapwuzma19cdb
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
[oracle@OMmacl dbs]$
```

# CHECK PASSWORD FILE AT STANDBY SITE

```
[oracle@sommacl ~]$
[oracle@sommacl ~]$ cd $ORACLE_HOME/dbs
[oracle@sommacl dbs]$ pwd
/u02/app/oracle/product/19.3.0/db_1/dbs
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$ ls -lrth orapwsuzmal9cdb
-rw-r----. 1 oracle oinstall 2.0K Mar 10 22:14 orapwsuzmal9cdb
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$
```

# EDIT AND MAKE ENTRY FOR STANDBY DATABASE IN ORATAB FILE AT STANDBY SITE

```
[oracle@sommacl ~]$
[oracle@sommacl ~]$ vi /etc/oratab
[oracle@sommacl ~]$
[oracle@sommacl ~]$ cat /etc/oratab |grep -i suzmal9cdb
suzmal9cdb:/u02/app/oracle/product/19.3.0/db_1:N
[oracle@sommacl ~]$
[oracle@sommacl ~]$
```

#### STANDBY DB INIT PARAMETERS

```
[oracle@sommacl ~]$
[oracle@sommacl ~]$ cd $ORACLE_HOME/dbs
[oracle@sommacl dbs]$ pwd
/u02/app/oracle/product/19.3.0/db_1/dbs
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$ cat initsuzmal9cdb.ora
db_name=uzmal9cd
enable_pluggable_database=true
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$
```

# START AUXILIARY DB IN NOMOUNT STAGE USING ABOVE INIT FILE

```
[oracle@sommacl ~]$
[oracle@sommacl ~]$ cd $ORACLE HOME/dbs
[oracle@sommacl dbs]$ pwd
/u02/app/oracle/product/19.3.0/db 1/dbs
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$ ls -lrth initsuzmal9cdb.ora
-rw-r--r. 1 oracle oinstall 48 Mar 11 00:35 initsuzmal9cdb.ora
[oracle@sommacl dbs]$
[oracle@sommacl dbs]$ sqlplus "/ as sysdba"
SQL*Plus: Release 19.0.0.0.0 - Production on Sat Mar 11 00:36:35 2023
Version 19.3.0.0.0
Copyright (c) 1982, 2019, Oracle. All rights reserved.
Connected to an idle instance.
SQL> startup nomount pfile='$ORACLE HOME/dbs/initsuzmal9cdb.ora'
ORACLE instance started.
Total System Global Area 297795128 bytes
Fixed Size
                          9133624 bytes
Variable Size
                        234881024 bytes
Database Buffers
                         50331648 bytes
Redo Buffers
                          3448832 bytes
SQL>
```

# STANDBY DB SPFILE PARAMETERS TO BE USED WITH RMAN DUPLICATE CMD

PARAMETER	SOURCE/PRIMARY VALUE
DB_NAME	uzma19cd
DB_UNIQUE_NAME	suzma19cdb
DIAGNOSTIC_DEST	/u02/app/oracle/admin/suzma19cdb/adump
AUDIT_FILE_DEST	/u02/app/oracle/admin/suzma19cdb/adump
CONTROL_FILES	/u02/app/oracle/oradata/ <b>SUZMA19CDB/</b> suzma19cdbstandby1.ctl
LOG_ARCHIVE_DEST_1	LOCATION=use_db_recovery_file_dest VALID_FOR=(ALL_LOGFILES, ALL_ROLES)
	DB_UNIQUE_NAME=uzma19cdb
LOG_ARCHIVE_DEST_2	SERVICE= <b>suzma19cdb</b> NOAFFIRM ASYNC VALID_FOR=(ONLINE_LOGFILES, PRIMARY_ROLE)
	DB_UNIQUE_NAME=suzma19cdb
DB_FILE_NAME_CONVERT	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /','u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /',
	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /pdbseed','/u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /pdbseed',
	'/u02/app/oracle/oradata/ <b>UZMA19CDB</b> /uzma19pdb','/u02/app/oracle/oradata/ <b>SUZMA19CDB</b> /uzma19pdb'
LOG_FILE_NAME_CONVERT	'/u02/app/oracle/oradata/UZMA19CDB/',' /u02/app/oracle/oradata/SUZMA19CDB/'
LOG_ARCHIVE_MAX_PROCESSES	5
FAL_CLIENT	uzma19cdb
FAL_SERVER	suzma19cdb
STANDBY_FILE_MANAGEMENT	AUTO
LOG_ARCHIVE_CONFIG	DG_CONFIG=(uzma19cdb, suzma19cdb)
COMPATIBLE	19.0.0.0.0
MEMORY_TARGET	1500m

# CONNECT WITH PRIMARY DB AND AUXILIARY DB VIA RMAN AT PRIMARY SITE

```
[oracle@OMmacl ~]$ rman target sys/Oracle#1234@uzmal9cdb auxiliary sys/Oracle#1234@suzmal9cdb

Recovery Manager: Release 19.0.0.0.0 - Production on Sat Mar 11 00:45:42 2023

Version 19.3.0.0.0

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connected to target database: UZMA19CD (DBID=2870186481)

connected to auxiliary database: UZMA19CD (not mounted)

RMAN>

RMAN>
```

#### CONNECT PRIMARY AND AUXILIARY DB VIA RMAN AND RUN DUPLICATE CMD

```
[oracle@OMmacl ~]$
                [oracle@OMmacl ~]$ rman target sys/Oracle#1234@uzmal9cdb auxiliary sys/Oracle#1234@suzmal9cdb
               Recovery Manager: Release 19.0.0.0.0 - Production on Sat Mar 11 00:45:42 2023
                Version 19.3.0.0.0
               Copyright (c) 1982, 2019, Oracle and/or its affiliates. All rights reserved.
               connected to target database: UZMA19CD (DBID=2870186481)
                connected to auxiliary database: UZMA19CD (not mounted)
               RMAN> run
               allocate channel cl type disk;
                allocate channel c2 type disk;
                allocate channel c3 type disk;
               allocate channel c4 type disk;
               allocate auxiliary channel auxl type disk;
                duplicate target database for standby from active database
                spfile
               parameter value convert 'uzmal9cdb','suzmal9cdb'
               set db_name='uzma19cd'
                set db unique name='suzma19cdb'
                set diagnostic_dest='/u02/app/oracle/admin/suzmal9cdb/adump/'
               set audit file dest='/u02/app/oracle/admin/suzmal9cdb/adump/'
               set control_files='/u02/app/oracle/oradata/SUZMA19CDB/suzma19cdbstandby1.ctl'
                set log archive dest l='location=use db recovery file dest
               valid for=(all logfiles,all roles) db unique name=suzmal9cdb'
               set log archive dest 2='service=uzmal9cdb noaffirm async
                valid_for=(online_logfiles,primary_role) db_unique_name=uzmal9cdb'
                set db_file_name_convert='/u02/app/oracle/oradata/UZMA19CDB/',
                '/u02/app/oracle/oradata/SUZMA19CDB/','/u02/app/oracle/oradata/UZMA19CDB/pdbseed/',
                '/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/','/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/',
'/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/'
                set log file name convert='/u02/app/oracle/oradata/UZMA19CDB/','/u02/app/oracle/oradata/SUZMA19CDB/'
               set log_archive_max_processes='5'
                set fal_client='suzmal9cdb'
                set fal server='uzma19cdb'
                set standby_file_management='AUTO'
               set log archive config='dg config=(uzmal9cdb,suzmal9cdb)'
                set compatible='19.0.0.0.0'
                set memory_target='1500m'
               nofilenamecheck;
eno-dba-g-blog-spot-com Jzmaf
               }2> 3> 4> 5> 6> 7> 8> 9> 10> 11> 12> 13> 14> 15> 16> 17> 18> 19> 20> 21> 22> 23> 24> 25> 26> 27> 28>
```

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#### RMAN DUPLICATE COMMAND OUTPUT

```
Spot.com JimaRarveen ordbare.k
 connected to target database: UZMA19CD (DBID=2870186481
connected to auxiliary database: UZMA19CD (not mounted)
RMAN> run
allocate channel cl type disk;
allocate channel c2 type disk;
allocate channel c4 type disk;
allocate auxiliary channel auxl type disk;
duplicate target database for standby from active database
spfile
parameter_value_convert 'uzmal9cdb','suzmal9cdb'
set db name='uzma19cd'
  et db_unique_name='suzmal9cdb'
set diagnostic_dest='/u02/app/oracle/admin/suzma19cdb/adump/'
set audit_file_dest='/u02/app/oracle/admin/suzma19cdb/adump/'
set control_files='/u02/app/oracle/oradata/SUZMA19CDB/suzma19cdbstandby1.ctl'
  et log_archive_dest_l='location=use_db_recovery_file_dest
set log_archive_dest_l='location=use_db_recovery_file_dest
valid_for=(all_logfiles,all_roles) db_unique_name=suzmal9cdb'
set log_archive_dest_2='service=uzmal9cdb noaffirm async
valid_for=(online_logfiles,primary_role) db_unique_name=uzmal9cdb'
set db_file_name_convert='/u02/app/oracle/oradata/UZMAl9CDB/',
'/u02/app/oracle/oradata/SUZMAl9CDB/','/u02/app/oracle/oradata/UZMAl9CDB/pdbseed/',
'/u02/app/oracle/oradata/SUZMAl9CDB/pdbseed/','/u02/app/oracle/oradata/UZMAl9CDB/uzmal9pdb/',
'/u02/app/oracle/oradata/SUZMAl9CDB/uzmal9pdb/'

//u02/app/oracle/oradata/SUZMAl9CDB/uzmal9pdb/'
 set log_file_name_convert='/u02/app/oracle/oradata/UZMA19CDB/','/u02/app/oracle/oradata/SUZMA19CDB/'
set log_archive_max_processes='5'
set fal_client='suzma19cdb'
 set fal_server='uzma19cdb'
set standby_file_management='AUTO'
set log_archive_config='dg_config=(uzmal9cdb,suzmal9cdb)'
set compatible='19.0.0.0.0'
 set memory_target='1500m'
nofilenamecheck;
12> 3> 4> 5> 6> 7> 8> 9> 10> 11> 12> 13> 14> 15> 16> 17> 18> 19> 20> 21> 22> 23> 24> 25> 26> 27> 28>
using target database control file instead of recovery catalog
allocated channel: cl
  channel cl: SID=465 device type=DISK
allocated channel: c2
 channel c2: SID=468 device type=DISK
allocated channel: c3
channel c3: SID=469 device type=DISK
allocated channel: c4
channel c4: SID=2 device type=DISK
allocated channel: auxl
channel auxl: SID=39 device type=DISK
Starting Duplicate Db at 11-MAR-23
contents of Memory Script:
    passwordfile~auxiliary~format~'/u02/app/oracle/product/19.3.0/db\_1/dbs/orapwsuzma19cdb'~targetf
 '/u02/app/oracle/product/19.3.0/db_1/dbs/spfileuzma19cdb.ora' auxiliary format
'/u02/app/oracle/product/19.3.0/db_1/dbs/spfilesuzma19cdb.ora';
sql clone "alter system set spfile= ''/u02/app/oracle/product/19.3.0/db_1/dbs/spfilesuzma19cdb.ora
 executing Memory Script
Starting backup at 11-MAR-23
Finished backup at 11-MAR-23
sql statement: alter system set spfile= ''/u02/app/oracle/product/19.3.0/db l/dbs/spfilesuzmal9cdb.or
 contents of Memory Script:
    sql clone "alter system set audit_file_dest =
 ''/u02/app/oracle/admin/suzmal9cdb/adump'' comment=
 '''' scope=spfile";
 sqt Clone arctr 3980mm sqt clone arctr screen sqt clone arctr screen sqt comment=
''' (PROTOCOL=TCP) (SERVICE=suzmal9cdbXDB)'' comment=
''' scope=spfile";
 sql clone "alter system set db_name =
''uzma19cd'' comment=
 ''' scope=spfile";
sql clone "alter system set db_unique_name =
''suzmal9cdb'' comment=
 """ scope=spfile";
```

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```
pot.com JimaParveen o.dba.e.k.
    sql clone "alter system set diagnostic_dest :
 ''/u02/app/oracle/admin/suzmal9cdb/adump/'' comment=
 """ scope=spfile";
   sql clone "alter system set control_files =
 ''/u02/app/oracle/oradata/SUZMA19CDB/suzma19cdbstandby1.ctl'' comment=
 """ scope=spfile";
 sql clone "alter system set log_archive_dest_l =
''location=use_db_recovery_file_dest_valid_for=(all_logfiles,all_roles) db_unique_name=suzmal9cdb'' co
 '''' scope=spfile";
    sql clone "alter system set log_archive_dest_2 =
 ''service=uzmal9cdb noaffirm async valid_for=(online_logfiles,primary_role) db_unique_name=uzmal9cdb'
 comment=
 '''' scope=spfile";
sql clone "alter system set db_file_name_convert =
''\u02/app/oracle/oradata/UZMA19CDB/'', ''\u02/app/oracle/oradata/SUZMA19CDB/'', ''\u02/app/oracle/oradata/UZMA19CDB/pdbseed/'', ''\u02/app/oracle/oradata/UZMA19CDB/pdbseed/'', ''\u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/'', ''\u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/'' comment=
''''' scope=spfile";
sql clone "alter system set log_file_name_convert =
''\u02/app/oracle/oradata/UZMA19CDB/'', ''\u02/app/oracle/oradata/SUZMA19CDB/'' comment=
 """ scope=spfile";
   sql clone "alter system set log_archive_max_processes =
 5 comment=
 "''' scope=spfile";
   sql clone "alter system set fal_client =
"'suzmal9cdb'' comment=
 '''' scope=spfile";
   sql clone "alter system set fal_server =
''uzma19cdb'' comment=
 '''' scope=spfile";
   sql clone "alter system set standby_file_management =
 ''AUTO'' comment=
 '''' scope=spfile";
 sql clone "alter system set log_archive_config =
''dg_config=(uzmal9cdb,suzmal9cdb)'' comment=
'''' scope=spfile";
sql clone "alter system set compatible =
 ''19.0.0.0.0'' comment=
 is.o.o.o.o
iviv scope=spfile";
sql clone "alter system set memory_target =
 1500m comment=
  '''' scope=spfile";
   startup clone nomount;
executing Memory Script
sql statement: alter system set audit_file_dest = ''/u02/app/oracle/admin/suzmal9cdb/adump'' commen
 = '''' scope=spfile
 ql statement: alter system set dispatchers = ''(PROTOCOL=TCP) (SERVICE=suzmal9cdbXDB)'' comment= '
 '' scope=spfile
 sql statement: alter system set db_name = ''uzmal9cd'' comment= '''' scope=spfile
sql statement: alter system set db_unique_name = ''suzma19cdb'' comment= '''' scope=spfile
sql statement: alter system set diagnostic_dest = ''/u02/app/oracle/admin/suzmal9cdb/adump/'' comme
 nt= '''' scope=spfile
sql statement: alter system set control_files = ''/u02/app/oracle/oradata/SUZMA19CDB/suzma19cdbstandbyl.ctl'' comment= '''' scope=spfile
sql statement: alter system set log_archive_dest_l = ''location=use_db_recovery_file_dest valid_for=
all_logfiles,all_roles) db_unique_name=suzmal9cdb'' comment= '''' scope=spfile
 sql statement: alter system set log_archive_dest_2 = ''service=uzmal9cdb noaffirm async valid_for=(or
line_logfiles,primary_role) db_unique_name=uzmal9cdb'' comment= '''' scope=spfile
sql statement: alter system set db_file_name_convert = ''/u02/app/oracle/oradata/UZMA19CDB/'', ''/u02/app/oracle/oradata/SUZMA19CDB/'', ''/u02/app/oracle/oradata/UZMA19CDB/pdbseed/'', ''/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/'', ''/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/'', ''/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/'' comment= '''' scope=spfile
sql statement: alter system set log_file_name_convert = ''/u02/app/oracle/oradata/UZMA19CDB/'', ''/u02/app/oracle/oradata/SUZMA19CDB/'' comment= '''' scope=spfile
sql statement: alter system set log_archive_max_processes = 5 comment= '''' scope=spfile
sql statement: alter system set fal client = ''suzmal9cdb'' comment= '''' scope=spfile
sql statement: alter system set fal_server = ''uzmal9cdb'' comment= '''' scope=spfile
```

```
pot.com JimaParveen o.dba.b.k
sql statement: alter system set  standby file management =  ''AUTO'' comment= '''' scope=spfile
sql statement: ar
    statement: alter system set log_archive_config = ''dg_config=(uzmal9cdb,suzmal9cdb)'' comment=
sql statement: alter system set compatible = ''l9.0.0.0.0'' comment= '''' scope=spfile
Oracle instance shut down
Oracle instance started
Total System Global Area 1577055360 bytes
Fixed Size
                           1191182336 bytes
369098752 bytes
Variable Size
Database Buffers
 Redo Buffers
                                7639040 bytes
allocated channel: auxl
channel auxl: SID=35 device type=DISK
  backup as copy current controlfile for standby auxiliary format '/u02/app/oracle/oradata/SUZMA19C
DB/suzma19cdbstandby1.ctl';
executing Memory Script
Starting backup at 11-MAR-23
 hannel cl: starting datafile copy
output file name=/u02/app/oracle/product/19.3.0/db_1/dbs/snapcf_uzma19cdb.f tag=TAG20230311T193554
channel cl: datafile copy complete, elapsed time: 00:00:01
Finished backup at 11-MAR-23
 contents of Memory Script:
   sql clone 'alter database mount standby database';
executing Memory Script
sql statement: alter database mount standby database
contents of Memory Script:
   set newname for tempfile 1 to
 set newname for tempfile 2 to "/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/temp012023-03-09 22-45-50-112-PM.dbf";
  set newname for tempfile 3 to
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/temp01.dbf";
   switch clone tempfile all;
set newname for datafile 1 to
 "/u02/app/oracle/oradata/SUZMA19CDB/system01.dbf";
  set newname for datafile 3 to
  set newname for datafile 4 to
 "/u02/app/oracle/oradata/SUZMA19CDB/undotbs01.dbf";
   set newname for datafile 5 to
 "/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/system01.dbf";
 set newname for datafile 6 to "/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/sysaux01.dbf";
  set newname for datafile 7 to
 "/u02/app/oracle/oradata/SUZMA19CDB/users01.dbf";
 set newname for datafile 8 to
"/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/undotbs01.dbf";
  set newname for datafile 9 to
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/system01.dbf";
 set newname for datafile 10 to "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/sysaux01.dbf";
  set newname for datafile 11 to
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/undotbs01.dbf";
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/users01.dbf";
  backup as copy reuse
  datafile 1 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/system01.dbf" datafile
 "/u02/app/oracle/oradata/SUZMA19CDB/sysaux01.dbf" datafile
 4 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/undotbs01.dbf" datafile
5 auxiliary format "/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/system01.dbf" datafile
"/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/sysaux01.dbf"
7 auxiliary format
                                                               datafile
```

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 "/u02/app/oracle/oradata/SUZMA19CDB/users01.dbf"
                                                             datafile
8 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/undotbs01.dbf" datafile
9 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/system01.dbf" datafile
10 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/sysaux01.dbf" datafile
11 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/undotbs01.dbf" datafile
12 auxiliary format
 "/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/users01.dbf"
   sql 'alter system archive log current';
executing Memory Script
xecuting command: SET NEWNAME
executing command: SET NEWNAME
executing command: SET NEWNAME
renamed tempfile 1 to /u02/app/oracle/oradata/SUZMA19CDB/temp01.dbf in control file
 enamed tempfile 2 to /u02/app/oracle/oradata/SUZMA19CDB/pdbseed/temp012023-03-09_22-45-50-112-PM.dbf
in control file
 enamed tempfile 3 to /u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/temp01.dbf in control file
executing command: SET NEWNAME
Starting backup at 11-MAR-23
channel cl: starting datafile copy
input datafile file number=00001 name=/u02/app/oracle/oradata/UZMA19CDB/system01.dbf
 hannel c2: starting datafile copy
input datafile file number=00003 name=/u02/app/oracle/oradata/UZMA19CDB/sysaux01.dbf
channel c3: starting datafile copy
input datafile file number=00010 name=/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/sysaux01.dbf
channel c4: starting datafile copy
input datafile file number=00006 name=/u02/app/oracle/oradata/UZMA19CDB/pdbseed/sysaux01.dbf
 utput file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/sysaux01.dbf tag=TAG20230311T193602
channel c3: datafile copy complete, elapsed time: 00:00:35
channel c3: starting datafile copy
input datafile file number=00009 name=/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/system01.dbf
output file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/sysaux01.dbf tag=TAG20230311T193602
 hannel c4: datafile copy complete, elapsed time: 00:00:36
 channel c4: starting datafile copy
input datafile file number=00005 name=/u02/app/oracle/oradata/UZMA19CDB/pdbseed/system01.dbf
output file name=/u02/app/oracle/oradata/SUZMA19CDB/sysaux01.dbf tag=TAG20230311T193602
channel c2: datafile copy complete, elapsed time: 00:00:42 channel c2: starting datafile copy
input datafile file number=00004 name=/u02/app/oracle/oradata/UZMA19CDB/undotbs01.dbf
 utput file name=/u02/app/oracle/oradata/SUZMA19CDB/system01.dbf tag=TAG20230311T193602
channel cl. starting datafile copy
channel cl: starting datafile copy
input datafile file number=00008 name=/u02/app/oracle/oradata/UZMA19CDB/pdbseed/undotbs01.dbf
output file name=/u02/app/oracle/oradata/SUZMA19CDB/undotbs01.dbf tag=TAG20230311T193602
 hannel c2: datafile copy complete, elapsed time: 00:00:25
input datafile file number=00011 name=/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/undotbs01.dbf output file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/system01.dbf tag=TAG20230311T193602
channel c3: datafile copy complete, elapsed time: 00:00:34
 channel c3: starting datafile copy
input datafile file number=00007 name=/u02/app/oracle/oradata/UZMA19CDB/users01.dbf
output file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/system01.dbf tag=TAG20230311T193602
channel c4: datafile copy complete, elapsed time: 00:00:33 channel c4: starting datafile copy
```

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hannel c4: starting datafile
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                      input datafile file number=00012 name=/u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/users01.dbf
                       output file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/undotbs01.dbf tag=TAG20230311T193602
                       channel cl: datafile copy complete, elapsed time: 00:00:05
                       output file name=/u02/app/oracle/oradata/SUZMA19CDB/users01.dbf tag=TAG20230311T193602
                      channel c3: datafile copy complete, elapsed time: 00:00:02
output file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/undotbs01.dbf tag=TAG20230311T193602
                      channel c2: datafile copy complete, elapsed time: 00:00:07
output file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/users01.dbf tag=TAG20230311T193602
                      channel c4: datafile copy complete, elapsed time: 00:00:03
Finished backup at 11-MAR-23
                       sql statement: alter system archive log current
                       contents of Memory Script:
                          switch clone datafile all;
                      executing Memory Script
                      datafile l switched to datafile copy
                       input datafile copy RECID=4 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/system01.db
                       datafile 3 switched to datafile copy
                      input datafile copy RECID=5 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/sysaux01.db
                      datafile 4 switched to datafile copy input datafile copy geometric datafile copy RECID=6 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/undotbs01.d
                      input datafile copy RECID=7 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/sys
                       tem01.dbf
                       datafile 6 switched to datafile copy input datafile copy RECID=8 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/sys
                      aux01.dbf
datafile 7 switched to datafile copy
input datafile copy RECID=9 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/users01.dbf
datafile 8 switched to datafile copy
                       input datafile copy RECID=10 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/pdbseed/un
                       datafile 9 switched to datafile copy
input datafile copy RECID=11 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/
                       system01.dbf
                       datafile 10 switched to datafile copy
                      input datafile copy RECID=12 STAMP=131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/
                       sysaux01.dbf
                      datafile 11 switched to datafile copy
input datafile copy RECID=13 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/
                      datafile 12 switched to datafile copy
input datafile copy RECID=14 STAMP=1131219443 file name=/u02/app/oracle/oradata/SUZMA19CDB/uzma19pdb/
                       users01.dbf
                       Finished Duplicate Db at 11-MAR-23
                       released channel: cl
                       released channel: c2
                       released channel: c3
                       released channel: c4
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                       released channel: auxl
```

# OPEN THE STANDBY DATABASE AND START RECOVERY PROCESS (MRP)

```
Jeen o dlog e. i.
SQL> set lines 300 pages 100
col db_unique_name for al5
select name,db_unique_name,status, flashback_on, database_role,open_mode from v$database, v$instance;SQL>
                                   FLASHBACK_ON
       DB_UNIQUE_NAME STATUS
                                                     DATABASE ROLE OPEN MODE
UZMA19CD suzma19cdb MOUNTED NO
                                                     PHYSICAL STANDBY MOUNTED
SQL> alter database open;
Database altered.
SQL> recover managed standby database disconnect from session;
Media recovery complete.
SQL> select name, db unique name, status, flashback on, database role, open mode from v$database, v$instance;
NAME DB_UNIQUE_NAME STATUS FLASHBACK_ON
                                                      DATABASE_ROLE OPEN_MODE
UZMA19CD suzma19cdb OPEN
                                                      PHYSICAL STANDBY READ ONLY WITH APPLY
```

# OPEN THE STANDBY DATABASE PDBs

```
SQL> select name,db_unique_name,status, flashback_on, database_role,open_mode from v$database, v$instance;
NAME DB_UNIQUE_NAME STATUS FLASHBACK_ON DATABASE_ROLE OPEN_MODE
UZMA19CD suzma19cdb OPEN NO PHYSICAL STANDBY READ ONLY WITH APPLY
SQL> show pdbs
   CON ID CON NAME
                                    OPEN MODE RESTRICTED
      2 PDB$SEED
                                    READ ONLY NO
       3 UZMA19PDB
SQL> alter pluggable database UZMA19PDB open read only;
Pluggable database altered.
SQL> show pdbs
   CON_ID CON_NAME
                                    OPEN MODE RESTRICTED
      2 PDB$SEED
                                   READ ONLY NO
       3 UZMA19PDB
                                    READ ONLY NO
```

# STANDBY DB SPFILE PARAMETERS

```
Jeen o dbare. E
                  SQL> set lines 180 pages 30
                  col name for a30
                  SQL> SQL> col value for a72
                  select name, value
                  from v$parameter
                  where name in ('db name', 'db unique name', 'log archive config',
                  'log_archive_dest_1','log_archive_dest_2','diagnostic_dest',
                  'log_archive_dest_state_1','log_archive_dest_state_2','audit_file_dest',
                  'remote login passwordfile','log archive format','log archive max processes',
'fal server','db file name convert','log file name convert','standby file management');SQL> 2
                  NAME
                                                     VALUE
                                                  /u02/app/oracle/oradata/UZMA19CDB/, /u02/app/oracle/oradata/SUZMA19CDB/,
                  db file name convert
                                                      /u02/app/oracle/oradata/UZMA19CDB/pdbseed/, /u02/app/oracle/oradata/SUZ
                                                   MA19CDB/pdbseed/, /u02/app/oracle/oradata/UZMA19CDB/uzma19pdb/, /u02/app
                                                     /oracle/oradata/SUZMA19CDB/uzma19pdb/
                  log_file_name_convert
                                                  /u02/app/oracle/oradata/UZMA19CDB/, /u02/app/oracle/oradata/SUZMA19CDB/location=use_db_recovery_file_dest_valid_for=(all_logfiles,all_roles) db
                  log archive dest 1
                                                    _unique_name=suzmal9cdb
                                                  service=uzmal9cdb noaffirm async valid_for=(online_logfiles,primary_role
                  log archive dest 2
                                                     ) db unique name=uzma19cdb
                  log_archive_dest_state_1
                                                  enable
                  log_archive_dest_state_2
                  fal server
                                                   uzma19cdb
                  log_archive_config
                                                     dg config=(uzma19cdb, suzma19cdb)
                 log_archive_format
log_archive_max_processes
standby_file_management
remote_login_passwordfile

EXCLUSIVE
/u02/app/oracle/admin/suzma19cdb/adump/
                  db unique name
                                                    suzma19cdb
                  diagnostic dest
                                                    /u02/app/oracle/admin/suzma19cdb/adump/
                  16 rows selected.
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```

#### LET US CHECK THAT PRIMARY AND STANDBY DBs ARE IN SYNC

At Primary make few switches and check current log sequence # 62

```
ot.com JimaParveen o.dba.e.k
 QL> select name,db_unique_name,status, instance_name, database_role,open_mode from v$database, v$instance;
        DB UNIQUE NAME
                                                         INSTANCE NAME DATABASE ROLE
                                                                                            OPEN MODE
UZMA19CD uzma19cdb
                                           OPEN
                                                         uzma19cdb
                                                                          PRIMARY
                                                                                             READ WRITE
SQL> select thread#, max(sequence#) "Last Primary Seq Generated" from v$archived_log val, v$database vdb where val.resetlogs_change# = vdb.resetlogs_change# group by thread# order by 1;
  THREAD# Last Primary Seq Generated
SQL> alter system switch logfile;
System altered.
SQL> alter system switch logfile;
System altered.
System altered.
SOL> alter system switch logfile;
System altered.
SQL> select thread#, max(sequence#) "Last Primary Seq Generated" from v$archived log val, v$database vdb
 here val.resetlogs_change# = vdb.resetlogs_change# group by thread# order by 1;
  THREAD# Last Primary Seq Generated
```

```
SQL> archive log list
Database log mode
                                  Archive Mode
Automatic archival
                                  Enabled
Archive destination
                                  USE DB RECOVERY FILE DEST
Oldest online log sequence
                                  61
Next log sequence to archive
                                  63
Current log sequence
                                   63
SOL>
SQL> show parameter DB RECOVERY FILE DEST
NAME
                                         TYPE
                                                       VALUE
db_recovery_file_dest
                                         string /u02/app/oracle/arch
db_recovery_file_dest_size
                                         big integer 11382M
SQL>
SQL> !ls -lrth /u02/app/oracle/arch/UZMA19CDB/archivelog/2023 03 12 |tail
-rw-r----. 1 oracle oinstall 1.0K Mar 12 03:08 ol mf 1 53 10tymhxh .arc
-rw-r----. 1 oracle oinstall 2.5K Mar 12 03:08 ol mf 1 54 10tymm12 .arc
-rw-r----. 1 oracle oinstall 1.0K Mar 12 03:08 o1 mf 1 55 10tymm41 .arc
-rw-r---. 1 oracle oinstall 2.5K Mar 12 03:08 ol mf 1 56 10tymp19 .arc
-rw-r----. 1 oracle oinstall 1.0K Mar 12 03:08 ol mf 1 57 10tymp2q .arc
-rw-r----. 1 oracle oinstall 2.5K Mar 12 03:08 ol_mf_1_58_10tyms3p_.arc
-rw-r----. 1 oracle oinstall 683K Mar 12 03:12 ol_mf_1_59_10tyv5cl_.arc
-rw-r----. 1 oracle oinstall 4.5K Mar 12 03:12 ol_mf_1_60_10tyvdd3_.arc
-rw-r----. 1 oracle oinstall 6.5K Mar 12 03:12 ol_mf_1_61_10tyvhkr_.arc
-rw-r----. 1 oracle oinstall 1.5K Mar 12 03:12 ol_mf_1_62_10tyvk3n_.arc
SQL>
```

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On Standby site we can see that last sequence # 62 is applied on standby.

```
Jeen Ordbart.
                                                               SQL> select name, db unique name, status, instance name, database role, open mode from v$database, v$instance;
                                                               NAME DB_UNIQUE_NAME
                                                                                                                                                                                                         STATUS INSTANCE_NAME DATABASE_ROLE OPEN_MODE
                                                                                                                                                                                                        OPEN suzmal9cdb PHYSICAL STANDBY READ ONLY WITH APPLY
                                                                UZMA19CD suzma19cdb
                                                               SQL> select thread#, max(sequence#) "Last Standby Seq Applied" from v$archived_log val, v$database vdb where val.resetlogs_change# = vdb.resetlogs_change# and val.applied in ('YES','IN-MEMORY') group by thread# order by 1;
                                                                        THREAD# Last Standby Seq Applied
                                                                SQL> show parameter db recovery
                                                                db_recovery_file_dest string /u02/app/oracle/arch db_recovery_file_dest_size big integer 11382M
                                                                 SQL> !ls -lrth /u02/app/oracle/arch/SUZMA19CDB/archivelog/2023_03_12|tail
                                                                  rw-r----. 1 oracle oinstall 2.5K Mar 12 03:08 ol_mf_1_54_10tymj0m_.arc
-rw-r----. 1 oracle oinstall 1.0K Mar 12 03:08 ol_mf_1_55_10tymm5q_.arc
                                                                 -rw-r----. 1 oracle oinstall 2.5K Mar 12 03:08 ol_mf_1_56_lotymm57_arc
-rw-r----. 1 oracle oinstall 1.0K Mar 12 03:08 ol_mf_1_57_lotymp3r_arc
-rw-r----. 1 oracle oinstall 2.5K Mar 12 03:08 ol_mf_1_58_lotymp51_arc
-rw-r----. 1 oracle oinstall 683K Mar 12 03:12 ol_mf_1_59_lotymp7d_arc
                                                                  -rw-r----. 1 oracle oinstall 4.5K Mar 12 03:12 ol_mf_1_60_10tyv5h4_.arc
                                                                  rw-r----. 1 oracle oinstall 6.5K Mar 12 03:12 ol mf 1 61 l0tyvdhn .arc
-rw-r----. 1 oracle oinstall 1.5K Mar 12 03:12 ol mf 1 62 l0tyvhol .arc
-rw-r----. 1 oracle oinstall 51M Mar 12 03:16 ol mf 1 63 l0tyvk75 .arc
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```

THANKYOÙ!!!