

Name: Mennatallah Abdelhamid

- 1- ensure for setting your environment and then stop your database if it's started

```
Connected to:
Oracle Database 19c Standard Edition 2 Release 19.0.0.0.0 - Production
Version 19.3.0.0.0

SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL>
```

- 2- delete spfile and pfile

```
[oracle@node1 dbs]$ rm initITI.ora spfileITI.ora
[oracle@node1 dbs]$ ls
hc_ITI.dat  init.ora  lkITI  orapwITI
[oracle@node1 dbs]$
```

- 3- try to startup your database

```
[oracle@node1 dbs]$ sqlplus / as sysdba

SQL*Plus: Release 19.0.0.0.0 - Production on Sun Mar 24 15:28:31 2024
Version 19.3.0.0.0

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Connected to an idle instance.

SQL> startup;
ORA-01078: failure in processing system parameters
LRM-00109: could not open parameter file '/u01/app/oracle/product/19c/db_home/dbs/initITI.ora'
SQL>
```

- 4- do whatever needed action to start your database

```
db_name=ITI
control_files='/oradata/ITI/control01.ctl'

[oracle@node1 dbs]$ sqlplus / as sysdba

SQL*Plus: Release 19.0.0.0.0 - Production on Sun Mar 24 15:36:13 2024
Version 19.3.0.0.0

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Connected to an idle instance.

SQL> startup;
ORACLE instance started.

Total System Global Area 268434280 bytes
Fixed Size 8895336 bytes
Variable Size 201326592 bytes
Database Buffers 50331648 bytes
Redo Buffers 7880704 bytes
Database mounted.
Database opened.
```

```
SQL> show parameter spfile
```

NAME	TYPE	VALUE
spfile	string	

```
SQL> create spfile from pfile  
2 ;
```

```
File created.
```

```
SQL> shutdown immediate  
Database closed.  
Database dismounted.  
ORACLE instance shut down.  
SQL> startup  
ORACLE instance started.
```

```
Total System Global Area 268434280 bytes  
Fixed Size                  8895336 bytes  
Variable Size               201326592 bytes  
Database Buffers           50331648 bytes  
Redo Buffers                 7880704 bytes
```

```
Database mounted.  
Database opened.  
SQL> show parameter spfile
```

NAME	TYPE	VALUE
spfile	string	/u01/app/oracle/product/19c/db_home/dbs/spfileITI.ora

```
SQL>
```

5- enable archive log

```
SQL> shutdown immediate  
Database closed.  
Database dismounted.  
ORACLE instance shut down.  
SQL> startup nomount;  
ORACLE instance started.
```

```
Total System Global Area 268434280 bytes  
Fixed Size                  8895336 bytes  
Variable Size               201326592 bytes  
Database Buffers           50331648 bytes  
Redo Buffers                 7880704 bytes
```

```
SQL> alter database mount;
```

```
Database altered.
```

```
SQL> alter database archivelog;
```

```
Database altered.
```

```
SQL> alter database open;
```

```
Database altered.
```

- 6- check where is the location of archivelog.

```
SQL> archive log list
Database log mode                Archive Mode
Automatic archival               Enabled
Archive destination              /u01/app/oracle/product/19c/db_home/dbs/arch
Oldest online log sequence      13
Next log sequence to archive    15
Current log sequence             15
```

- 7- add new destination for archivelog on dest_1 , make sure it enabled

```
SQL> alter system set LOG_ARCHIVE_DEST_1='location=/tmp/arch1'
2 ;

System altered.
```

- 8- switch online redo log file , and confirm that the new archivelog saved in the new location.

```
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup nomount
ORACLE instance started.

Total System Global Area 268434280 bytes
Fixed Size                 8895336 bytes
Variable Size             201326592 bytes
Database Buffers          50331648 bytes
Redo Buffers              7880704 bytes
SQL> alter database mount
2 ;

Database altered.

SQL> alter database archivelog;

Database altered.

SQL> alter database open;

Database altered.
```

```
SQL> archive log list;
Database log mode                Archive Mode
Automatic archival               Enabled
Archive destination              /tmp/arch1
Oldest online log sequence      13
Next log sequence to archive    15
Current log sequence            15
SQL>
```

9- Select * from v\$log;

```
SQL> select * from v$log;
```

GROUP#	THREAD#	SEQUENCE#	BYTES	BLOCKSIZE	MEMBERS	ARC
STATUS		FIRST_CHANGE#	FIRST_TIM	NEXT_CHANGE#	NEXT_TIME	CON_ID
1	1	13	209715200	512	1	YES
INACTIVE		742194	14-MAR-24	800219	14-MAR-24	0
2	1	14	209715200	512	1	YES
INACTIVE		800219	14-MAR-24	978177	17-MAR-24	0
3	1	15	209715200	512	1	NO
CURRENT		978177	17-MAR-24	1.8447E+19		0

10-disable archive log

```
SQL> shutdown immediate;
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> startup nomount
ORACLE instance started.
```

```
Total System Global Area 268434280 bytes
Fixed Size                  8895336 bytes
Variable Size               201326592 bytes
Database Buffers            50331648 bytes
Redo Buffers                 7880704 bytes
SQL> alter database mount;
```

Database altered.

```
SQL> alter database noarchivelog;
```

Database altered.

```
SQL> alter database open;
```

Database altered.

```
SQL> archive log list;
Database log mode              No Archive Mode
Automatic archival             Disabled
Archive destination            /tmp/arch1
Oldest online log sequence     13
Current log sequence           15
SQL>
```

11-create new undo tablespace , with one datafile 50MB

```
1 create undo tablespace my_undo_tablespace
2* datafile '/u01/app/oracle/undotable' size 50M
SQL> /
```

Tablespace created.

12-make this new created tablespace the default tablespace

```
1* ALTER SYSTEM SET UNDO_TABLESPACE = my_undo_tablespace
SQL> /
```

System altered.

13-create new tablespace ITI44SA with one datafile with size 50MB and make it the default tablespace for HR user. (create HR user if not exist)

```
SQL> create user hr identified by hr;
```

User created.

```
SQL> create tablespace iti44sa
2 datafile '/u01/app/oracle/iti44sa' size 50M;
```

Tablespace created.

```
SQL> alter user hr default tablespace iti44sa;
```

User altered.

14-create temporary tablespace TEMP2 with size 50MB

```
SQL> create temporary tablespace temp2
2 tempfile '/u01/app/oracle/temp2' size 50M;
```

Tablespace created.

15-add datafile with size 50MB to ITI44SA tablespace.

```
1* ALTER TABLESPACE ITI44SA ADD DATAFILE '/u01/app/oracle/file' SIZE 50M
SQL> /
```

Tablespace altered.

16-resize up the datafile of ITI tablespace from 50MB to 100MB.

TABLESPACE_NAME

FILE_NAME

SIZE_MB

ITI44SA
/u01/app/oracle/iti44sa
50
ITI44SA
/u01/app/oracle/file
TABLESPACE_NAME

FILE_NAME

SIZE_MB

50

17-resize up the tempfile for TEMP2 tablespace to 100MB.

```
1* alter tablespace temp2 add tempfile '/u01/app/oracle/tempfile' size 50M
SQL> /
Tablespace altered.
```

TEMP2
/u01/app/oracle/temp2
50
TABLESPACE_NAME

FILE_NAME

SIZE_MB

TEMP2
/u01/app/oracle/tempfile
50

18-make temp2 the default temptablespace tablespace for HR user

```
SQL> alter user hr temporary tablespace temp2;  
User altered.
```

19-create big tablespace BIG_SA with datafile 50MB.

```
SQL> create bigfile tablespace big_sa  
2 datafile 'big_sa' size 50M;  
Tablespace created.
```

20-add datafile with size 50MB to BIG_SA tablespace.

```
SQL> alter tablespace big_sa add datafile  
2 'bigfile' size 50M;  
alter tablespace big_sa add datafile  
*  
ERROR at line 1:  
ORA-32771: cannot add file to bigfile tablespace
```

21-make tablespace BIG_SA offline

```
SQL> alter tablespace big_sa offline;  
Tablespace altered.
```

22-copy the datafile assigned to BIG_SA to NEW_NAME in operating system level by cp command

```
[oracle@node1 dbs]$ cp big_sa new_big_sa  
[oracle@node1 dbs]$
```

22-rename the datafile assigned to BIG_SA to the NEW_NAME

```
SQL>  
SQL> alter tablespace big_sa rename datafile '/u01/app/oracle/product/19c/db_home/dbs/big_sa' to  
2  '/u01/app/oracle/product/19c/db_home/dbs/new_big_sa';
```

23- make tablespace BIG_SA online

```
SQL> alter tablespace big_sa online;  
  
Tablespace altered.
```

24- check datafiles assigned to BIG_SA from DBA_DATA_FILES

```
Wrote file afiedt.buf  
  
1* select file_name,tablespace_name from dba_data_files where tablespace_name='BIG_SA'  
2 /  
  
FILE_NAME  
-----  
TABLESPACE_NAME  
-----  
/u01/app/oracle/product/19c/db_home/dbs/new_big_sa  
BIG_SA
```