

Tablespace On-Offline / 3

(TABLESPACE) 3

 3

 3

(DATA FILE) 가() 4

(DATA FILE) 가() 4

(DATA FILE) 가() 4

 5

(OFFLINE) : 5

 , 5

 가 (RECOVER) 7

Tablespace On-Offline

/

(TABLESPACE) & / (ONLINE/OFFLINE)

(TABLESPACE)

- DBA가
- DBA 가

```
SQL> create tablespace test
2 datafile '/app/rmantest/test01.dbf' size 5M;
```

```
JAYLEE>create tablespace test
  2 datafile '/app/testrman/test01.dbf' size 5M;
```

Tablespace created.

```
SQL> select tablespace_name, status, contents, extent_management,
2 segment_space_management
3 from dba_tablespaces;
```

```
JAYLEE>select tablespace_name, status, contents, extent_management,  
2 segment_space_management  
3 from dba_tablespaces;
```

TABLESPACE_NAME	STATUS	CONTENTS	EXTENT_MAN	SEGMENT
SYSTEM	ONLINE	PERMANENT	LOCAL	MANUAL
SYSAUX	ONLINE	PERMANENT	LOCAL	AUTO
TEMP	ONLINE	TEMPORARY	LOCAL	MANUAL
USERS	ONLINE	PERMANENT	LOCAL	AUTO
EXAMPLE	ONLINE	PERMANENT	LOCAL	AUTO
UNDO01	ONLINE	UNDO	LOCAL	MANUAL
TEMP2	ONLINE	TEMPORARY	LOCAL	MANUAL
TEMP3	ONLINE	TEMPORARY	LOCAL	MANUAL
TEMP_SCOTT1	ONLINE	TEMPORARY	LOCAL	MANUAL
TEMP_SCOTT2	ONLINE	TEMPORARY	LOCAL	MANUAL
TS_LOB	ONLINE	PERMANENT	LOCAL	AUTO
TEST	ONLINE	PERMANENT	LOCAL	AUTO

12 rows selected.

(DATA FILE) 가()

```
SQL> alter tablespace test
```

```
2 add datafile '/app/testrman/test02.dbf' size 10M;
```

```
JAYLEE>alter tablespace test
```

```
2 add datafile '/app/testrman/test02.dbf' size 10M;
```

Tablespace altered.

(DATA FILE) 가()

```
SQL> alter database datafile '/app/testrman/test01.dbf' resize 20M;
```

```
JAYLEE>alter database datafile '/app/testrman/test01.dbf' resize 15M;
```

Database altered.

(DATA FILE) 가()

```
SQL> alter database datafile '/app/testrman/test02.dbf' autoextend on;
```

```
* autoextend on : 16GB (32 ) , 32GB (64 )
```

```
JAYLEE>alter database datafile '/app/testrman/test02.dbf' autoextend on;
Database altered.
```

```
SQL> set line 200
> col tablespace_name for a10
> col file_name for a50
> select tablespace_name, bytes/1024/1024 MB, file_name, autoextensible
"AUTO", online_status
2 from dba_data_files;
```

```
JAYLEE>set line 200
JAYLEE>col tablespace_name for a10
JAYLEE>col file_name for a50
JAYLEE>select tablespace_name,bytes/1024/1024 MB,file_name,autoextensible "AUTO", online_status
 2 from dba_data_files;
```

TABLESPACE	MB	FILE_NAME	AUT	ONLINE_
TS_LOB	1	/app/testrman/ts_lob01.dbf	NO	ONLINE
UNDO01	383	/app/testrman/undo01.dbf	YES	ONLINE
EXAMPLE	339	/app/testrman/example01.dbf	YES	ONLINE
USERS	91	/app/testrman/users01.dbf	YES	ONLINE
SYSAUX	600	/app/testrman/sysaux01.dbf	YES	ONLINE
SYSTEM	720	/app/testrman/system01.dbf	YES	SYSTEM
TEST	15	/app/testrman/test01.dbf	NO	ONLINE
TEST	10	/app/testrman/test02.dbf	YES	ONLINE

8 rows selected.

(OFFLINE) :

3 가 :

1. (NORMAL MODE) : 가
2. (TEMPORARY MODE) : 가 (: ORA-01191)
3. (IMMEDIATE MODE) :

```
SQL> select name, status from v$datafile;
```

(NORMAL MODE)

```
SQL> alter tablespace test offline;
```

```
JAYLEE>alter tablespace test offline;
```

```
Tablespace altered.
```

```
JAYLEE>select name, status from v$datafile;
```

NAME	STATUS
/app/testrman/system01.dbf	SYSTEM
/app/testrman/sysaux01.dbf	ONLINE
/app/testrman/test01.dbf	OFFLINE
/app/testrman/users01.dbf	ONLINE
/app/testrman/example01.dbf	ONLINE
/app/testrman/undo01.dbf	ONLINE
/app/testrman/ts_lob01.dbf	ONLINE

```
7 rows selected.
```

(TEMPORARY MODE)

```
SQL> alter tablespace test offline temporary;
```

(IMMEDIATE MODE)

```
SQL> archive log list;
```

```
SQL> alter database datafile '/app/testrman/test01.dbf' offline;
```

```
JAYLEE>archive log list;
```

Database log mode	Archive Mode
Automatic archival	Enabled
Archive destination	/data/arc2
Oldest online log sequence	66
Next log sequence to archive	68
Current log sequence	68

```
JAYLEE>alter database datafile '/app/testrman/test01.dbf' offline;
```

```
Database altered.
```

가 (NO ARCHIVELOG MODE)

```
SQL> alter database datafile '/app/testrman/test01.dbf' offline drop;
```

```
JAYLEE>archive log list;
Database log mode           Archive Mode
Automatic archival         Enabled
Archive destination        /data/arc2
Oldest online log sequence 66
Next log sequence to archive 68
Current log sequence        68
JAYLEE>alter database datafile '/app/testrman/test01.dbf' offline;

Database altered.
```

가 (RECOVER)

- (NO ARCHIVELOG MODE)
- (TEMPORARY)
-

```
SQL> recover tablespace test;
```

NAME	STATUS
/app/testrman/system01.dbf	SYSTEM
/app/testrman/sysaux01.dbf	ONLINE
/app/testrman/test01.dbf	RECOVER
/app/testrman/users01.dbf	ONLINE
/app/testrman/example01.dbf	ONLINE
/app/testrman/undo01.dbf	ONLINE
/app/testrman/ts_lob01.dbf	ONLINE

7 rows selected.

```
JAYLEE>recover tablespace test;
Media recovery complete.
JAYLEE>
JAYLEE>@df
```

NAME	STATUS
/app/testrman/system01.dbf	SYSTEM
/app/testrman/sysaux01.dbf	ONLINE
/app/testrman/test01.dbf	OFFLINE
/app/testrman/users01.dbf	ONLINE
/app/testrman/example01.dbf	ONLINE
/app/testrman/undo01.dbf	ONLINE
/app/testrman/ts_lob01.dbf	ONLINE

7 rows selected.

(ONLINE) : , (RECOVER)

가 , (ONLINE)

SCN 가 , (CHECK POINT) 가 .

(CHECK POINT) SCN

```
SQL> select a.file#, a.ts#, b.name, a.status, a.checkpoint_change#  
2 from v$datafile a, v$tablespace b  
3 where a.ts#=b.ts#;
```

```
JAYLEE>select a.file#, a.ts#, b.name, a.status, a.checkpoint_change#  
2 from v$datafile a, v$tablespace b  
3 where a.ts#=b.ts#;
```

FILE#	TS#	NAME	STATUS	CHECKPOINT_CHANGE#
1	0	SYSTEM	SYSTEM	2275565
2	1	SYSAUX	ONLINE	2275565
3	20	TEST	OFFLINE	2275989
4	4	USERS	ONLINE	2275565
5	6	EXAMPLE	ONLINE	2275565
6	7	UNDO01	ONLINE	2275565
7	17	TS_LOB	ONLINE	2275565

7 rows selected.

```
SQL> alter tablespace test online;  
> alter system checkpoint;
```

JAYLEE>alter tablespace test online;

Tablespace altered.

JAYLEE>select a.file#, a.ts#, b.name, a.status, a.checkpoint_change#
2 from v\$datafile a, v\$tablespace b
3 where a.ts#=b.ts#;

FILE#	TS#	NAME	STATUS	CHECKPOINT_CHANGE#
1	0	SYSTEM	SYSTEM	2275565
2	1	SYSAUX	ONLINE	2275565
3	20	TEST	ONLINE	2276378
4	4	USERS	ONLINE	2275565
5	6	EXAMPLE	ONLINE	2275565
6	7	UND001	ONLINE	2275565
7	17	TS_LOB	ONLINE	2275565

7 rows selected.

JAYLEE>alter system **checkpoint;**

System altered.

JAYLEE>select a.file#, a.ts#, b.name, a.status, a.checkpoint_change#
2 from v\$datafile a, v\$tablespace b
3 where a.ts#=b.ts#;

FILE#	TS#	NAME	STATUS	CHECKPOINT_CHANGE#
1	0	SYSTEM	SYSTEM	2276398
2	1	SYSAUX	ONLINE	2276398
3	20	TEST	ONLINE	2276398
4	4	USERS	ONLINE	2276398
5	6	EXAMPLE	ONLINE	2276398
6	7	UND001	ONLINE	2276398
7	17	TS_LOB	ONLINE	2276398

7 rows selected.

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