CONTROL FILES
(Cap. 6)

1) Informatii despre fisierele de control:

```
SQL> desc v$controlfile
Name                                                    Null?    Type
 ------------------------------------------------------------------    ---------
 STATUS                                                          VARCHAR2(7)
 NAME                                                            VARCHAR2(513)
 IS_RECOVERY_DEST_FILE                                          VARCHAR2(3)
 BLOCK_SIZE                                                      NUMBER
 FILE_SIZE_BLKS                                                  NUMBER
SQL> select * from v$controlfile;

STATUS
-------
NAME
-------------------------------------------------------
IS_ BLOCK_SIZE FILE_SIZE_BLKS
--- ---------- --------------


F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\CONTROL01.CTL
NO     16384        430


F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\CONTROL02.CTL
NO     16384        430
```

2) Informatii despre fisierele de control extrase din view-ul pentru parametri

```
SQL> desc v$parameter
Name                          Null?       Type
 ------------------------------ --------    ----
 NUM                           NUMBER
 NAME                          VARCHAR2(64)
 TYPE                          NUMBER
 VALUE                         VARCHAR2(512)
 ISDEFAULT                     VARCHAR2(9)
 ISSES_MODIFIABLE              VARCHAR2(5)
 ISSYS_MODIFIABLE              VARCHAR2(9)
 ISMODIFIED                    VARCHAR2(10)
 ISADJUSTED                    VARCHAR2(5)
 DESCRIPTION                   VARCHAR2(64)
 UPDATE_COMMENT                VARCHAR2(255)

SQL> select * from v$parameter where name='control_files';

   NUM NAME                                             TYPE
--------- ------------------------------------------------------------ ---------
VALUE
-------------------------------------------------------------------------------------
ISDEFAULT ISSES ISSYS_MOD ISMODIFIED ISADJ DESCRIPTION
--------- ----- --------- ---------- ----- -------------------------------------------------------
UPDATE_COMMENT
```

1

----
    219 control_files   2
g:\oracle\oradata\leu\CONTROL01.CTL, g:\oracle\oradata\leu\CONTROL02.CTL,
g:\oracle\oradata\leu\CONT
FALSE   FALSE FALSE   FALSE   FALSE control file names list

2) Informatii despre marimea inregistrarii, numarul total de inregistrari alocate si cele folosite referitoare la parametrii de control, :

SQL> desc v$controlfile_record_section

Name	Null?	Type
TYPE		VARCHAR2(20)
RECORD_SIZE		NUMBER
RECORDS_TOTAL		NUMBER
RECORDS_USED		NUMBER
FIRST_INDEX		NUMBER
LAST_INDEX		NUMBER
LAST_RECID		NUMBER

SQL> select * from v$controlfile_record_section;

TYPE	RECORD_SIZE	RECORDS_TOTAL	RECORDS_USED	FIRST_INDEX	LAST_INDEX	LAST_RECID
DATABASE	316	1	1	0	0	0
CKPT PROGRESS	8180	11	0	0	0	0
REDO THREAD	256	8	1	0	0	0
REDO LOG	72	16	3	0	0	3
DATAFILE	428	100	20	0	0	2025
FILENAME	524	2298	26	0	0	0
TABLESPACE	68	100	23	0	0	19
TEMPORARY FILENAME	56	100	3	0	0	3
RMAN CONFIGURATION	1108	50	0	0	0	0
LOG HISTORY	56	292	292	126	125	709
OFFLINE RANGE	200	163	0	0	0	0
ARCHIVED LOG	584	28	0	0	0	0
BACKUP SET	40	409	0	0	0	0
BACKUP PIECE	736	200	0	0	0	0
BACKUP DATAFILE	116	282	0	0	0	0
BACKUP REDOLOG	76	215	0	0	0	0
DATAFILE COPY	660	223	1	1	1	1
BACKUP CORRUPTION	44	371	0	0	0	0
COPY CORRUPTION	40	409	0	0	0	0
DELETED OBJECT	20	818	1	1	1	1
PROXY COPY	852	249	0	0	0	0
BACKUP SPFILE	36	454	0	0	0	0

4) Vizualizare fisiere de control

SQL> SHOW PARAMETER CONTROL_FILES

NAME	TYPE	VALUE
control_files	string	F:\ORA10G_DB\PRODUCT\10.2.0\OR ADATA\UPB\CONTROL01.CTL, F:\OR A10G_DB\PRODUCT\10.2.0\ORADATA \UPB\CONTROL02.CTL, F:\ORA10G_ DB\PRODUCT\10.2.0\ORADATA\UPB\ CONTROL03.CTL

5) Informatii despre fisierele de date
SQL> desc v$datafile

Name	Null?	Type
FILE#		NUMBER
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
TS#		NUMBER
RFILE#		NUMBER
STATUS		VARCHAR2(7)
ENABLED		VARCHAR2(10)
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
UNRECOVERABLE_CHANGE#		NUMBER
UNRECOVERABLE_TIME		DATE
LAST_CHANGE#		NUMBER
LAST_TIME		DATE
OFFLINE_CHANGE#		NUMBER
ONLINE_CHANGE#		NUMBER
ONLINE_TIME		DATE
BYTES		NUMBER
BLOCKS		NUMBER
CREATE_BYTES		NUMBER
BLOCK_SIZE		NUMBER
NAME		VARCHAR2(513)
PLUGGED_IN		NUMBER
BLOCK1_OFFSET		NUMBER
AUX_NAME		VARCHAR2(513)

SQL> select * from v$datafile;

```
    FILE# CREATION_CHANGE# CREATION_    TS#   RFILE# STATUS  ENABLED
CHECKPOINT_CHANGE# CHECKPOIN
--------- ---------------- --------- --------- --------- ------- ---------- ----------------- -----
NAME
--------------------------------------------------------------------------------------------------
PLUGGED_IN BLOCK1_OFFSET
---------- -------------
AUX_NAME
--------------------------------------------------------------------------------------------------
    1         11 12-MAY-02    0     1 SYSTEM  READ WRITE      48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\SYSTEM01.DBF
    0      8192
NONE


    2     187697 12-MAY-02    1     2 ONLINE  READ WRITE      48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\UNDOTBS01.DBF
    0      8192
NONE


    3       6283 12-MAY-02    3     3 ONLINE  READ WRITE      48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\CWMLITE01.DBF
```

```
     0      8192
NONE

     4         6302 12-MAY-02      4      4 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\DRSYS01.DBF
     0      8192
NONE

     5         6324 12-MAY-02      5      5 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\EXAMPLE01.DBF
     0      8192
NONE

     6         6343 12-MAY-02      6      6 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\INDX01.DBF
     0      8192
NONE

     7         6363 12-MAY-02      7      7 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\ODM01.DBF
     0      8192
NONE

     8         6382 12-MAY-02      8      8 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\TOOLS01.DBF
     0      8192
NONE

     9         6401 12-MAY-02      9      9 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\USERS01.DBF
     0      8192
NONE

    10         6420 12-MAY-02     10     10 ONLINE  READ WRITE       48391344 19-OCT-08
0
G:\ORACLE\ORADATA\LEU\XDB01.DBF
     0      8192
NONE
```

6) Informatii despre fisierele temporare

SQL> desc v$tempfile

```
Name                            Null?      Type
------------------------------- --------   ----
FILE#                                      NUMBER
CREATION_CHANGE#                           NUMBER
CREATION_TIME                              DATE
TS#                                        NUMBER
RFILE#                                     NUMBER
```

4

```
STATUS                                 VARCHAR2(7)
ENABLED                                VARCHAR2(10)
BYTES                                  NUMBER
BLOCKS                                 NUMBER
CREATE_BYTES                           NUMBER
BLOCK_SIZE                             NUMBER
NAME                                   VARCHAR2(513)
```

SQL> select * from v$tempfile;

```
    FILE# CREATION_CHANGE# CREATION_    TS#   RFILE# STATUS  ENABLED      BYTES
BLOCKS CREATE_BYTES BLOC
--------- ---------------- --------- --------- --------- ------- ---------- --------- --------- ----
NAME
--------------------------------------------------------------------------------------------------
        1            0           2         1 ONLINE  READ WRITE 41943040      5120     41943040      8192
G:\ORACLE\ORADATA\LEU\TEMP01.DBF
```

7) Informatii despre tablespace-uri
SQL> desc v$tablespace

```
Name                                   Null?            Type
-------------------------------        --------         ----
TS#                                                     NUMBER
NAME                                                    VARCHAR2(30)
INCLUDED_IN_DATABASE_BACKUP                             VARCHAR2(3)
```

SQL> select * from v$tablespace;

```
      TS# NAME                  I   NC
--------- ------------------------------      ---
        3 CWMLITE                    YES
        4 DRSYS                      YES
        5 EXAMPLE                    YES
        6 INDX                       YES
        7 ODM                        YES
        0 SYSTEM                     YES
        8 TOOLS                      YES
        1 UNDOTBS1                   YES
        9 USERS                      YES
       10 XDB                        YES
        2 TEMP                       YES
```

11 rows selected.

8) Informatii despre baza de date
SQL> desc v$database

```
Name                      Null?              Type
----------------------    --------           -------- ----
DBID                                          NUMBER
NAME                                         VARCHAR2(9)
CREATED                                      DATE
RESETLOGS_CHANGE#                            NUMBER
RESETLOGS_TIME                               DATE
PRIOR_RESETLOGS_CHANGE#                      NUMBER
PRIOR_RESETLOGS_TIME                         DATE
```

```
LOG_MODE                              VARCHAR2(12)
CHECKPOINT_CHANGE#                    NUMBER
ARCHIVE_CHANGE#                       NUMBER
CONTROLFILE_TYPE                      VARCHAR2(7)
CONTROLFILE_CREATED                   DATE
CONTROLFILE_SEQUENCE#                 NUMBER
CONTROLFILE_CHANGE#                   NUMBER
CONTROLFILE_TIME                      DATE
OPEN_RESETLOGS                        VARCHAR2(11)
VERSION_TIME                          DATE
OPEN_MODE                             VARCHAR2(10)
PROTECTION_MODE                       VARCHAR2(20)
PROTECTION_LEVEL                      VARCHAR2(20)
REMOTE_ARCHIVE                        VARCHAR2(8)
ACTIVATION#                           NUMBER
DATABASE_ROLE                         VARCHAR2(16)
ARCHIVELOG_CHANGE#                    NUMBER
SWITCHOVER_STATUS                     VARCHAR2(18)
DATAGUARD_BROKER                      VARCHAR2(8)
GUARD_STATUS                          VARCHAR2(7)
SUPPLEMENTAL_LOG_DATA_MIN             VARCHAR2(3)
SUPPLEMENTAL_LOG_DATA_PK              VARCHAR2(3)
SUPPLEMENTAL_LOG_DATA_UI             VARCHAR2(3)
FORCE_LOGGING                         VARCHAR2(3)
```

SQL> select * from v$database;
```
    DBID NAME    CREATED   RESETLOGS_CHANGE# RESETLOGS
PRIOR_RESETLOGS_CHANGE# PRIOR_RES LOG_MODE
--------- --------- --------- ----------------- --------- ---------------------- --------- --------
CHECKPOINT_CHANGE# ARCHIVE_CHANGE# CONTROL CONTROLFI
CONTROLFILE_SEQUENCE# CONTROLFILE_CHANGE# CONTR
------------------ --------------- ------- --------- -------------------- ------------------- -----
VERSION_T OPEN_MODE  PROTECTION_MODE    PROTECTION_LEVEL    REMOTE_A
ACTIVATION# DATABASE_ROLE    AR
--------- ---------- -------------------- -------------------- -------- ----------- ----------------
SWITCHOVER_STATUS  DATAGUAR GUARD_S SUP SUP SUP FOR
------------------ -------- ------- --- --- --- ---
1.248E+09 LEU     17-MAR-07        190578 17-MAR-07              1 12-MAY-02
NOARCHIVELOG
     48391344     48301579 CURRENT 17-MAR-07         10100        48391344 19-OCT-08 NOT
ALLOWED
17-MAR-07 READ WRITE MAXIMUM PERFORMANCE  UNPROTECTED      ENABLED
1.248E+09 PRIMARY             0
SESSIONS ACTIVE   DISABLED NONE   NO  NO  NO  NO
```

8) Informatii despre fisierele de log

SQL> desc V$LOGFILE;
```
Name                                    Null?   Type
------------------------------------------------------------------------------- -------- ------
GROUP#                                           NUMBER
STATUS                                           VARCHAR2(7)
TYPE                                             VARCHAR2(7)
MEMBER                                           VARCHAR2(513)
IS_RECOVERY_DEST_FILE                            VARCHAR2(3)
```

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```
SQL> select * from V$LOGFILE;

    GROUP# STATUS  TYPE
---------- ------- -------
MEMBER                                                    IS_REC
---------------------------------------------------       ---
         3 STALE   ONLINE
F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\REDO03.LOG        NO

         2 STALE   ONLINE
F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\REDO02.LOG        NO
```