

## REDO LOG FILES

(Cap.7)

1) Informatii despre fisierele de log si starea lor

```
SQL> desc v$logfile
```

Name	Null?	Type
GROUP#		NUMBER
STATUS		VARCHAR2(7)
TYPE		VARCHAR2(7)
MEMBER		VARCHAR2(513)

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

GROUP#	STATUS	TYPE	MEMBER
3	STALE	ONLINE	F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\REDO03.LOG
2	STALE	ONLINE	F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\REDO02.LOG
1		ONLINE	F:\ORA10G_DB\PRODUCT\10.2.0\ORADATA\UPB\REDO01.LOG

2) Informatii legate de modul de lucru al bazei de date ( cu arhivare sau fara arhivare a fisierelor de log, data cand au fost resetate fisierele de log, etc.)

```
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 name,log\_mode, resetlogs\_time from v\$database;

NAME	LOG_MODE	RESETLOGS
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UPB	NOARCHIVELOG	13-FEB-11

3) Informatii legate de starea instantei si a grupurilor

SQL> desc v\$thread

Name	Null?	Type
-----		----
THREAD#		NUMBER
STATUS		VARCHAR2(6)
ENABLED		VARCHAR2(8)
GROUPS		NUMBER
INSTANCE		VARCHAR2(16)
OPEN_TIME		DATE
CURRENT_GROUP#		NUMBER
SEQUENCE#		NUMBER
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
ENABLE_CHANGE#		NUMBER
ENABLE_TIME		DATE
DISABLE_CHANGE#		NUMBER
DISABLE_TIME		DATE

SQL> select groups, sequence#, instance, status from v\$thread;

GROUPS	SEQUENCE#	INSTANCE	STATUS
-----	-----	-----	-----
3	951	UPB	OPEN

4)Informatii despre gupuri si membri

SQL> desc v\$log

Name	Null?	Type
-----		----
GROUP#		NUMBER
THREAD#		NUMBER

SEQUENCE#	NUMBER
BYTES	NUMBER
MEMBERS	NUMBER
ARCHIVED	VARCHAR2(3)
STATUS	VARCHAR2(16)
FIRST_CHANGE#	NUMBER
FIRST_TIME	DATE

SQL> select group#,members,bytes, archived,status from v\$log;

GROUP#	MEMBERS	BYTES	ARC	STATUS
1	1	52428800	NO	CURRENT
2	1	52428800	NO	INACTIVE
3	1	52428800	NO	INACTIVE

5) Adaugarea unui membru la un grup (adaugarea unui nou fisier de log )

SQL> alter database add logfile member 'e:\temp\log2.rdo' to group 1;

Database altered.

6) Stergerea unui membru din grup (stergerea unui fisier de log VALID)

6.1) Se verifica starea fiserului care va fi sters

SQL> select \* from v\$logfile;

GROUP#	STATUS	TYPE
3	STALE	ONLINE
E:\ORACLE\ORADATA\LEU\REDO03.LOG		
2		ONLINE
E:\ORACLE\ORADATA\LEU\REDO02.LOG		
1	STALE	ONLINE
E:\ORACLE\ORADATA\LEU\REDO01.LOG		
1	VALID	ONLINE
C:\TEMP\LOG2.RDO		

6.2) Se sterge fisierul de log (numai daca este VALID)

SQL> alter database drop logfile member 'c:\temp\LOG2.RDO';

7) Informatii legate de modul de lucru al instantei (modul arhiva sau nonarhiva)

SQL> desc v\$instance

Name	Null?	Type
-----	-----	-----
INSTANCE_NUMBER		NUMBER
INSTANCE_NAME		VARCHAR2(16)
HOST_NAME		VARCHAR2(64)
VERSION		VARCHAR2(17)
STARTUP_TIME		DATE
STATUS		VARCHAR2(12)
PARALLEL		VARCHAR2(3)
THREAD#		NUMBER
ARCHIVER		VARCHAR2(7)
LOG_SWITCH_WAIT		VARCHAR2(15)
LOGINS		VARCHAR2(10)
SHUTDOWN_PENDING		VARCHAR2(3)
DATABASE_STATUS		VARCHAR2(17)
INSTANCE_ROLE		VARCHAR2(18)
ACTIVE_STATE		VARCHAR2(9)
BLOCKED		VARCHAR2(3)

SQL> select instance\_name, database\_status, archiver from v\$instance;

INSTANCE_NAME	DATABASE_STATUS	ARCHIVE
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UPB	ACTIVE	STOPPED