Facultad de Ciencias Exactas y Naturales Escuela de Informática y computación

EIF 211 - Administración de Bases de Datos
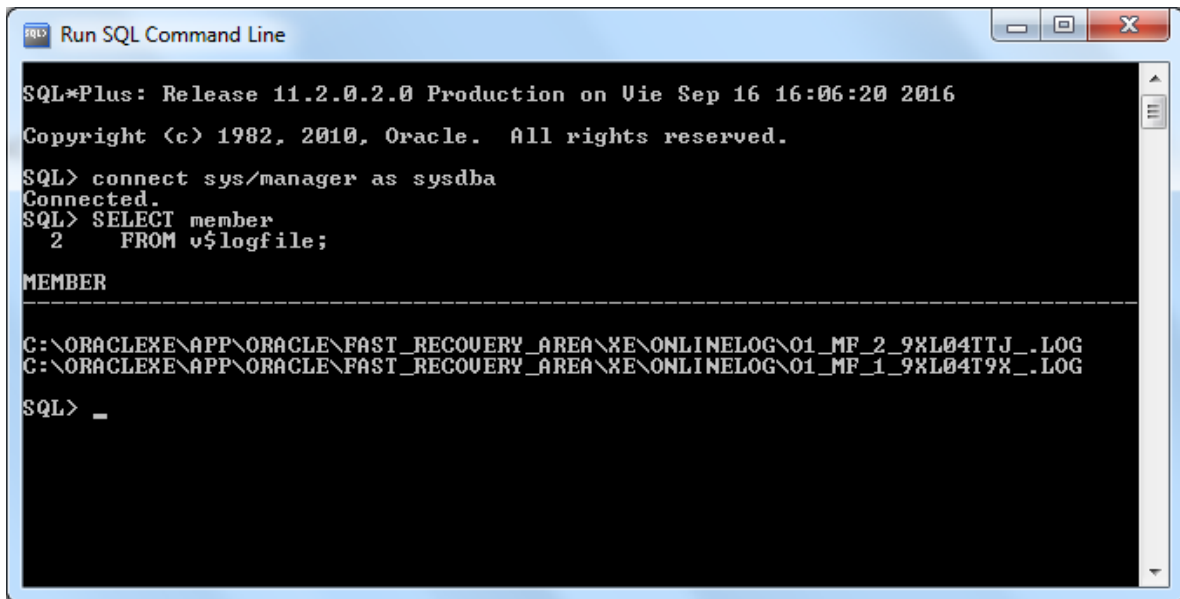
Manual de transacciones

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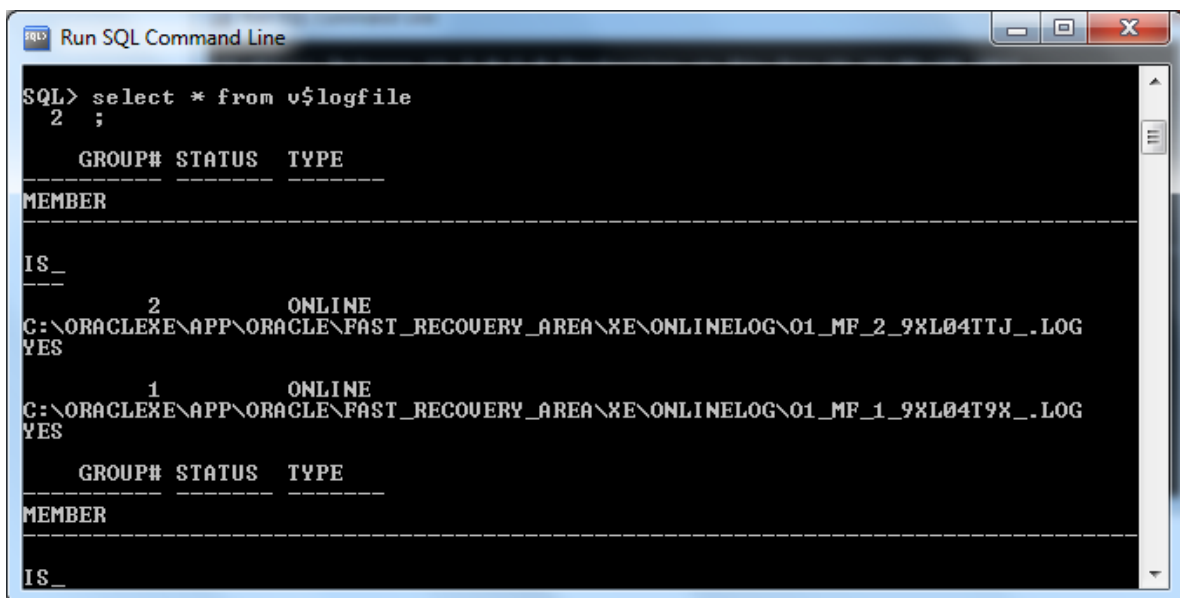
Cuantos RedoLog hay:

```
Run SQL Command Line

SQL*Plus: Release 11.2.0.2.0 Production on Vie Sep 16 16:06:20 2016

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SQL> connect sys/manager as sysdba
Connected.
SQL> SELECT member
  2     FROM v$logfile;

MEMBER
--------------------------------------------------------------------------------
C:\ORACLEXE\APP\ORACLE\FAST_RECOVERY_AREA\XE\ONLINELOG\O1_MF_2_9XL04TTJ_.LOG
C:\ORACLEXE\APP\ORACLE\FAST_RECOVERY_AREA\XE\ONLINELOG\O1_MF_1_9XL04T9X_.LOG

SQL> _
```

RedoLog Donde:

```
Run SQL Command Line

SQL> select * from v$logfile
  2  ;

    GROUP# STATUS   TYPE
---------- -------- --------
MEMBER
--------------------------------------------------------------------------------
IS_
---
         2          ONLINE
C:\ORACLEXE\APP\ORACLE\FAST_RECOVERY_AREA\XE\ONLINELOG\O1_MF_2_9XL04TTJ_.LOG
YES

         1          ONLINE
C:\ORACLEXE\APP\ORACLE\FAST_RECOVERY_AREA\XE\ONLINELOG\O1_MF_1_9XL04T9X_.LOG
YES

    GROUP# STATUS   TYPE
---------- -------- --------
MEMBER
--------------------------------------------------------------------------------
IS_
```

Tamaño RedoLog:

```
SQL> select group#, bytes, status from v$log
  2  ;

    GROUP#      BYTES STATUS
---------- ---------- ----------------
         1   52428800 CURRENT
         2   52428800 INACTIVE

SQL>
```

Archive:


```
SQL> archive log list;
Database log mode              No Archive Mode
Automatic archival             Disabled
Archive destination            USE_DB_RECOVERY_FILE_DEST
Oldest online log sequence     14
Current log sequence           15
SQL>
```

Parametros:


```
log_archive_dest_state_26              string       enable
log_archive_dest_state_27              string       enable
log_archive_dest_state_28              string       enable
log_archive_dest_state_29              string       enable
log_archive_dest_state_3               string       enable
log_archive_dest_state_30              string       enable
log_archive_dest_state_31              string       enable
log_archive_dest_state_4               string       enable

NAME                                   TYPE         VALUE
-------------------------------------- ------------ -------------------
log_archive_dest_state_5               string       enable
log_archive_dest_state_6               string       enable
log_archive_dest_state_7               string       enable
log_archive_dest_state_8               string       enable
log_archive_dest_state_9               string       enable
log_archive_dest_1                     string
log_archive_dest_10                    string
log_archive_dest_11                    string
log_archive_dest_12                    string
log_archive_dest_13                    string
log_archive_dest_14                    string

NAME                                   TYPE         VALUE
-------------------------------------- ------------ -------------------
log_archive_dest_15                    string
log_archive_dest_16                    string
log_archive_dest_17                    string
log_archive_dest_18                    string
log_archive_dest_19                    string
log_archive_dest_2                     string
log_archive_dest_20                    string
log_archive_dest_21                    string
```

Crear tabla:

```
SQL>
SQL>
SQL> create table t1 (a int, b int, c int);

Table created.

SQL>
```



```
SQL> describe t1
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------

 A                                                  NUMBER(38)
 B                                                  NUMBER(38)
 C                                                  NUMBER(38)

SQL> _
```

Verificar archive:


```
35  #
36  # This file is provided by Oracle Corporation to help you start by providing
37  # a starting point to customize your RDBMS installation for your site.
38  #
39  # NOTE: The values that are used in this file are only intended to be used
40  # as a starting point. You may want to adjust/tune those values to your
41  # specific hardware and needs. You may also consider using Database
42  # Configuration Assistant tool (DBCA) to create INIT file and to size your
43  # initial set of tablespaces based on the user input.
44  ##############################################################################
45
46  # Change '<ORACLE_BASE>' to point to the oracle base (the one you specify at
47  # install time)
48
49  db_name='ORCL'
50  memory_target=1G
51  processes = 150
52  audit_file_dest='<ORACLE_BASE>/admin/orcl/adump'
53  audit_trail ='db'
54  db_block_size=8192
55  log_archive_start=true
56  db_domain=''
57  db_recovery_file_dest='<ORACLE_BASE>/flash_recovery_area'
58  db_recovery_file_dest_size=2G
59  diagnostic_dest='<ORACLE_BASE>'
60  dispatchers='(PROTOCOL=TCP) (SERVICE=ORCLXDB)'
61  open_cursors=300
62  remote_login_passwordfile='EXCLUSIVE'
63  undo_tablespace='UNDOTBS1'
64  # You may want to ensure that control files are created on separate physical
65  # devices
66  control_files = (ora_control1, ora_control2)
67  compatible ='11.2.0'
68
```



```
Database mounted.
SQL> alter database archivelog;

Database altered.

SQL>
```
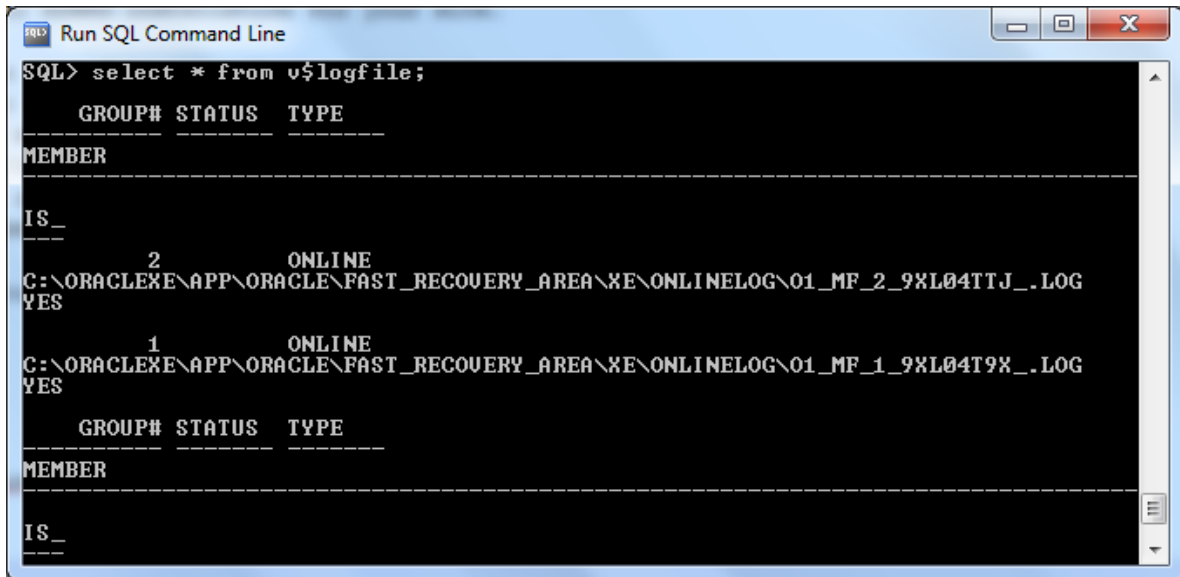
Insertar en la tabla y hacer commit:


```
SQL> insert into t1(a,b,c) values (1,2,3);

1 row created.

SQL> commit;

Commit complete.

SQL>
```



```
SQL> alter database open;

Database altered.

SQL> alter system checkpoint
  2  ;

System altered.

SQL> select * from v$log;

    GROUP#     THREAD#  SEQUENCE#        BYTES  BLOCKSIZE    MEMBERS ARC
---------- ---------- ---------- ---------- ---------- ---------- ---
STATUS             FIRST_CHANGE# FIRST_TI NEXT_CHANGE# NEXT_TIM
------------------ ------------- -------- ------------ --------
         1          1         15   52428800        512          1 NO
CURRENT              649869 16/09/16   2,8147E+14

         2          1         14   52428800        512          1 YES
INACTIVE             628891 25/08/16      649869 16/09/16


SQL> archive log list;
Database log mode              Archive Mode
Automatic archival             Enabled
Archive destination            USE_DB_RECOVERY_FILE_DEST
Oldest online log sequence     14
Next log sequence to archive   15
Current log sequence           15
SQL>
```
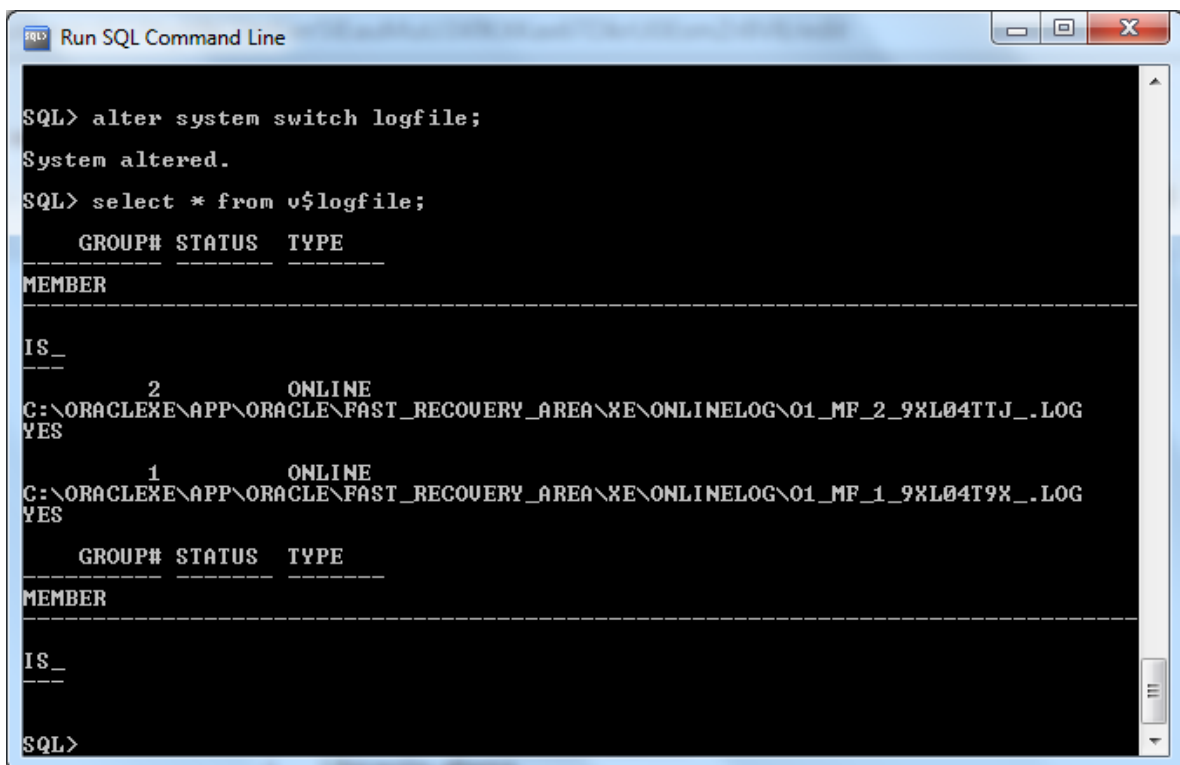
Verificar cambio de log:

Verificar en el diccionario:

```
TABLE_NAME
-----------------------------
COMMENTS
-----------------------------------------------------------------

V$ARCHIVE_DEST_STATUS
Synonym for V_$ARCHIVE_DEST_STATUS

V$ARCHIVE_GAP
Synonym for V_$ARCHIVE_GAP

V$ARCHIVE_PROCESSES
Synonym for V_$ARCHIVE_PROCESSES


TABLE_NAME
-----------------------------
COMMENTS
-----------------------------------------------------------------

V$ASH_INFO
Synonym for V_$ASH_INFO

V$ASM_ACFSSNAPSHOTS
Synonym for V_$ASM_ACFSSNAPSHOTS

V$ASM_ACFSVOLUMES
Synonym for V_$ASM_ACFSVOLUMES


TABLE_NAME
-----------------------------
COMMENTS
```

Agregar en el init.ora

LOG_ARCHIVE_DEST_1 = 'LOCATION = /disk1/archive'

LOG_ARCHIVE_DEST_2 = 'SERVICE = AUDITOR

Agregar en el tsnames

AUDITOR =
 (DESCRIPTION =
   (ADDRESS = (PROTOCOL = TCP)(HOST = 172.168.0.17)(PORT = 1521))
   (CONNECT_DATA =
    (SERVER = DEDICATED)
    (SERVICE_NAME = AUDITOR)
)
)