



Oracle 9i Database Release 2 Enterprise Edition

Creación de Logical Standby

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EN EL PRIMARIO

1. SQL> ALTER DATABASE FORCE LOGGING;

2. Modificar el archivo de parámetros:

INIT.ORA

=====

```
COMPATIBLE=9.2.0.1.0
DB_NAME=oracle9i
INSTANCE_NAME=oracle9i
LOG_ARCHIVE_DEST_1='LOCATION=d:\oracle\oradata\oracle9i\Archive MANDATORY'
LOG_ARCHIVE_DEST_STATE_1=ENABLE
LOG_ARCHIVE_DEST_3='SERVICE=STDBYLOG LGWR ASYNC'
LOG_ARCHIVE_DEST_STATE_3=ENABLE
LOG_ARCHIVE_FORMAT='%t_%s.dbf'
LOG_ARCHIVE_START=TRUE
LOG_PARALLELISM=1
REMOTE_ARCHIVE_ENABLE=TRUE
STANDBY_FILE_MANAGEMENT=AUTO
```

4. SQL> SHUTDOWN IMMEDIATE;

SQL> create spfile from pfile='d:\oracle\admin\oracle9i\pfile\init.ora';

SQL> STARTUP;

5. SQL> SELECT DISTINCT OWNER, TABLE_NAME FROM DBA_LOGSTDBY_UNsupported ORDER BY OWNER, TABLE_NAME;

6. SQL> SELECT COLUMN_NAME, DATA_TYPE FROM DBA_LOGSTDBY_UNsupported
WHERE OWNER='OE' AND TABLE_NAME = 'CUSTOMERS';

7. SQL> SELECT OWNER, TABLE_NAME, BAD_COLUMN FROM DBA_LOGSTDBY_NOT_UNIQUE WHERE TABLE_NAME NOT IN
(SELECT TABLE_NAME FROM DBA_LOGSTDBY_UNsupported);

8. SQL> ALTER TABLE mytab ADD PRIMARY KEY (id, name) RELY DISABLE;

9. SQL> SELECT SUPPLEMENTAL_LOG_DATA_PK, SUPPLEMENTAL_LOG_DATA_UI FROM V\$DATABASE;

10. SQL> ALTER DATABASE ADD SUPPLEMENTAL LOG DATA (PRIMARY KEY, UNIQUE INDEX) COLUMNS;

11. SQL> ALTER SYSTEM ARCHIVE LOG CURRENT;

12. SQL> SELECT SUPPLEMENTAL_LOG_DATA_PK, SUPPLEMENTAL_LOG_DATA_UI FROM V\$DATABASE;

13. SQL> CREATE TABLESPACE logmnrts DATAFILE 'd:\oracle\oradata\oracle9i\logmnrts.dbf' SIZE 25M AUTOEXTEND ON
MAXSIZE UNLIMITED;

SQL> EXECUTE DBMS_LOGMNR_D.SET_TABLESPACE('logmnrts');

14. SQL> SELECT NAME FROM V\$DATAFILE;

15. SQL> SHUTDOWN IMMEDIATE;

16. Bajar el servicio de Windows: OracleServiceOracle9i

Con el explorador de Windows copiar desde:

d:\oracle\oradata\oracle9i\system01.dbf hacia d:\oracle\oradata\stbylog\system01.dbf

.....

Levantar el servicio de Windows: OracleServiceOracle9i

17. SQL> STARTUP MOUNT;

18. SQL> ALTER DATABASE BACKUP CONTROLFILE TO 'd:\temp\control01.ctl';

19. SQL> ALTER SYSTEM ENABLE RESTRICTED SESSION;

20. SQL> ALTER DATABASE OPEN;
SQL> EXECUTE DBMS_LOGSTDBY.BUILD;
21. SQL> ALTER SYSTEM DISABLE RESTRICTED SESSION;
22. SQL> ALTER SYSTEM ARCHIVE LOG CURRENT;
23. SQL> SELECT NAME FROM V\$ARCHIVED_LOG
WHERE (SEQUENCE#=(SELECT MAX(SEQUENCE#) FROM V\$ARCHIVED_LOG
WHERE DICTIONARY_BEGIN = 'YES' AND STANDBY_DEST= 'NO'));
- Tomar nota, para luego usarlo en standby.
24. SQL> CREATE PFILE='d:\temp\init.ora' FROM SPFILE;
25. Respalda los datafiles y control files.
Ultimo archived redo log
Parámetro de inicialización de Database

EN EL STANDBY LOGICO

26. INIT.ORA

```
db_name=oracle9i
compatible=9.2.0.1.0
instance_name=stdbylog

log_archive_start=TRUE
log_archive_format='%t_%s.dbf'
log_archive_dest_1='LOCATION=d:\oracle\oradata\stdbylog\archive'
log_archive_dest_state_1=ENABLE
log_archive_dest_2='SERVICE=oracle9i LGWR SYNC=NOPARALLEL AFFIRM'
log_archive_dest_state_2=ENABLE
log_parallelism=1
parallel_max_servers=9
standby_archive_dest='d:\oracle\oradata\stdbylog\archive'
```

```
# The following parameter is required only if the primary and standby databases
# are located on the same system.
# lock_name_space=stdbylog
```

27. d:\> oradim -NEW -SID stdbylog -STARTMODE auto
d:\> del d:\oracle\ora92\database\PWDstdbylog.ora
d:\> orapwd file=d:\oracle\ora92\database\PWDstdbylog.ora password=oracle entries=5

28. d:\> Isnrctl stop
d:\> Isnrctl start

29. SQLNET.ORA

```
SQLNET.EXPIRE_TIME=2
```

30. Crear entradas en el TNSNAMES.ORA

31. SQL> STARTUP MOUNT PFILE='d:\oracle\admin\stdbylog\pfile\init.ora';
32. SQL> ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\CWMLITE01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\CWMLITE01.DBF';
SQL> ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\DRSYS01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\DRSYS01.DBF';

```

SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\EXAMPLE01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\EXAMPLE01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\ODM01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\ODM01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\SYSTEM01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\SYSTEM01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\INDX01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\INDX01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\TOOLS01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\TOOLS01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\USERS01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\USERS01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\UNDOTBS01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\UNDOTBS01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\XDB01.DBF' TO
'D:\ORACLE\ORADATA\STDBYLOG\XDB01.DBF';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\REDO01.LOG' TO
'D:\ORACLE\ORADATA\STDBYLOG\REDO01.LOG';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\REDO02.LOG' TO
'D:\ORACLE\ORADATA\STDBYLOG\REDO02.LOG';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\REDO03.LOG' TO
'D:\ORACLE\ORADATA\STDBYLOG\REDO03.LOG';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\STBY_REDO01.LOG' TO
'D:\ORACLE\ORADATA\STDBYLOG\STBY_REDO01.LOG';
SQL>ALTER DATABASE RENAME FILE 'D:\ORACLE\ORADATA\oracle9i\STBY_REDO02.LOG' TO
'D:\ORACLE\ORADATA\STDBYLOG\STBY_REDO02.LOG';

33. SQL> ALTER DATABASE GUARD ALL;
SQL> ALTER DATABASE OPEN RESETLOGS;

34. SQL> SHUTDOWN IMMEDIATE;
SQL> STARTUP MOUNT PFILE='d:\oracle\admin\stdbylog\pfile\init.ora';

35. d:\>set ORACLE_SID=stdbylog

d:\>nid TARGET=SYS/oracle DBNAME=stdbylog

d:\>del d:\oracle\ora92\database\PWDstdbylog.ora
d:\>orapwd file=d:\oracle\ora92\database\PWDstdbylog.ora password=oracle entries=5

36. Modificar Init.ora (standby)
...
db_name=stdbylog
...

37. SQL> SHUTDOWN IMMEDIATE;
SQL> CREATE SPFILE FROM PFILE='d:\oracle\admin\stdbylog\pfile\init.ora';
SQL> STARTUP MOUNT;
SQL> ALTER DATABASE OPEN RESETLOGS;

38. SQL>SELECT * FROM V$TEMPFILE;
SQL>SELECT TABLESPACE_NAME FROM DBA_TABLESPACES WHERE CONTENTS ='TEMPORARY';
SQL>ALTER TABLESPACE TEMP ADD TEMPFILE 'd:\oracle\oradata\stdbylog\temp01.dbf' SIZE 40M REUSE;

39. SQL> ALTER DATABASE REGISTER LOGICAL LOGFILE
'D:\ORACLE\ORADATA\STDBYLOG\ARCHIVE\1_12.DBF';

40. SQL> ALTER DATABASE START LOGICAL STANDBY APPLY INITIAL;

41. SQL> ALTER DATABASE STOP LOGICAL STANDBY APPLY;
SQL> ALTER DATABASE START LOGICAL STANDBY APPLY;

```

EN EL PRIMARIO

42. SQL> ALTER SYSTEM SET LOG_ARCHIVE_DEST_3='SERVICE=STDBYLOG LGWR SYNC' SCOPE=BOTH;
SQL> ALTER SYSTEM SET LOG_ARCHIVE_DEST_STATE_3=ENABLE SCOPE=BOTH;

43. SQL> ALTER SYSTEM ARCHIVE LOG CURRENT;

EN EL STANDBY LOGICO

44. SQL> SELECT NAME, VALUE FROM V\$LOGSTDBY_STATS WHERE NAME = 'coordinator state';

45. SQL> SELECT SEQUENCE#, FIRST_TIME, NEXT_TIME, DICT_BEGIN, DICT_END
FROM DBA_LOGSTDBY_LOG ORDER BY SEQUENCE#;

46. SQL> SELECT * FROM v\$logstdby;

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