

PRACTICAS.**NET9.**

1. Consultar el valor de los parámetros de inicialización SERVICE_NAMES e INSTANCE_NAME. Averiguar el valor de DB_NAME y DB_DOMAIN.

```
SQL> show parameter instance_name
```

NAME	TYPE	VALUE
instance_name	string	CURSO01

```
SQL> show parameter service_name
```

NAME	TYPE	VALUE
service_names	string	CURSO01

```
SQL> show parameter db_name
```

NAME	TYPE	VALUE
db_name	string	CURSO01

```
SQL> show parameter db_domain
```

NAME	TYPE	VALUE
db_domain	string	

2. ¿Cuál es el valor de la variable TNS_ADMIN?. ¿En que directorio residen los ficheros de configuración de Net9? (listener.ora, sqlnet.ora y tnsnames.ora).

Asegurarse de que la variable de entorno TNS_ADMIN apunte al directorio \$ORACLE_HOME/network/admin/CURSOxx ; si no es así, debe editarse el perfil de usuario, localizado en el directorio "home" y modificar su definición.

Editar el fichero .bash_profile e introducir los cambios necesarios:

```
/home/CURSO/curso01 (CURSO01)> vi .bash_profile
```

```
...
```

```
# TNS.
export TNS_ADMIN=$ORACLE_HOME/network/admin/CURSO01
```

```
...
```

```
/home/CURSO/curso01 (CURSO01)> echo $TNS_ADMIN
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01(CURSO01)> ls -al *.ora
-rw-r--r-- 1 oracle oinstall 3650 sep 29 2004 listener.ora
```

```
-rw-r--r-- 1 oracle oinstall 24 ago 7 2000 snmp_ro.ora
-rw-rw-r-- 1 oracle oinstall 4836 sep 29 2004 tnsnames.ora
```

3. ¿Dónde se guardan los ficheros de log del "listener"?

```
/home/CURSO/curso01 (CURSO01)> cd $TNS_ADMIN
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> cd ../..
/u01/app/oracle/product/9.2.0.1.0/network (CURSO01)> find . -name "*.log"
./admin/CURSO01/sqlnet.log
./log/CURSO01/listener.log
./log/listener.log
```

4. Editar el fichero listener.ora y verificar la configuración inicial.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> cat listener.ora

# LISTENER.ORA Network Configuration File: /
home/app/oracle/product/9.2.0.1.0/network/admin/listener.ora
# Generated by Oracle configuration tools.

#LISTENER =
# (DESCRIPTION =
# (ADDRESS = (PROTOCOL = TCP)(HOST = 155.54.66.189)(PORT = 1521))
# )

#####

STARTUP_WAIT_TIME_LISTENER = 0
CONNECT_TIMEOUT_LISTENER = 10

LISTENER =
(ADDRESS_LIST =
(ADDRESS = (PROTOCOL = IPC)(KEY = CURSO01))
(ADDRESS = (PROTOCOL = TCP)(Host = 155.54.66.189)(Port = 1521))
)

ADMIN_RESTRICTIONS_LISTENER = ON
ADMIN_RESTRICTIONS_ITEXT = ON

SID_LIST_LISTENER =
(SID_LIST =
(SID_DESC =
(GLOBAL_DBNAME = "CURSO01.WORLD")
(ORACLE_HOME = /u01/app/oracle/product/9.2.0.1.0)
(SID_NAME = CURSO01)
)
)

TRACE_LEVEL_LISTENER = OFF
```

5. Arrancar el "listener" definido por defecto. ¿Se produce algún error?.

6. Modificar el fichero listener.ora de forma que el nuevo fichero contenga el nuevo directorio de “log” y de “traza” para el “listener”.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> vi listener.ora
```

```
#####
log_directory_listener=/u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01
trace_directory_listener=/u01/app/oracle/product/9.2.0.1.0/network/trace/CURSO01

STARTUP_WAIT_TIME_LISTENER = 0
CONNECT_TIMEOUT_LISTENER = 10

LISTENER =
  (ADDRESS_LIST =
    (ADDRESS = (PROTOCOL = IPC)(KEY = CURSO01))
    (ADDRESS = (PROTOCOL = TCP)(Host = 155.54.66.189)(Port = 1521))
  )

ADMIN_RESTRICTIONS_LISTENER = ON
ADMIN_RESTRICTIONS_ITEXT = ON

SID_LIST_LISTENER =
  (SID_LIST =
    (SID_DESC =
      (GLOBAL_DBNAME = "CURSO01.WORLD")
      (ORACLE_HOME = /u01/app/oracle/product/9.2.0.1.0)
      (SID_NAME = CURSO01)
    )
    # (SID_DESC =
    #   (GLOBAL_DBNAME = CURSO02)
    #   (ORACLE_HOME = /u01/app/oracle/product/9.2.0.1.0)
    #   (SID_NAME = CURSO02)
    # )
  )

TRACE_LEVEL_LISTENER = OFF
```

7. Comprobar el estado del “listener” arrancado.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl status listener
```

```
LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 27-APR-2005 12:41:34
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
```

```
STATUS of the LISTENER
```

```
-----
```

```
Alias                listener
Version              TNSLSNR for Linux: Version 9.2.0.1.0 - Production
Start Date           27-APR-2005 12:35:16
Uptime               0 days 0 hr. 6 min. 18 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File    /u01/app/oracle/product/9.2.0.1.0/network/log/listener.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
```

```
(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=155.54.66.189)(PORT=1521)))
Services Summary...
```

8. Comprobar a nivel de s.o. el proceso asociados al "listener". Matar el proceso y esperar unos minutos, ¿rearranca por sí solo?.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
oracle 21545 1 0 13:04 pts/831 00:00:00 /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr listener -inherit
oracle 21547 21343 0 13:05 pts/831 00:00:00 grep lsn
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> kill -9 21545
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
oracle 21549 21343 0 13:05 pts/831 00:00:00 grep lsn
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
oracle 21559 21343 0 13:22 pts/831 00:00:00 grep lsn
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>
```

9. Arrancar y parar el "listener" genérico, y comprobar a nivel de s.o. si existe algún proceso asociado al mismo.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl start listener
```

```
LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 27-APR-2005 13:09:11
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...
```

```
TNSLSNR for Linux: Version 9.2.0.1.0 - Production
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/listener.log
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=155.54.66.189)(PORT=1521)))
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER
```

```
-----
Alias          listener
Version        TNSLSNR for Linux: Version 9.2.0.1.0 - Production
Start Date     27-APR-2005 13:09:11
Uptime         0 days 0 hr. 0 min. 0 sec
Trace Level    off
Security       OFF
SNMP           OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File /u01/app/oracle/product/9.2.0.1.0/network/log/listener.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=155.54.66.189)(PORT=1521)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl stop listener
```

LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 27-APR-2005 12:44:07

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
The command completed successfully

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
oracle 21542 21343 0 13:01 pts/831 00:00:00 grep lsn
```

10. Crear un "listener" llamado "listenerxx" (siendo xx dos dígitos que identifican el numero de la bd con la que se está trabajando). Se configurará para que escuche el protocolo TCP/IP en el puerto 1526. Los informes de "log" y traza deben almacenarse en los directorios u01/.../network/log/CURSOxx y u01/.../network/trace/CURSOxx respectivamente.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> vi listener.ora
```

```
#####
log_directory_listener01=/u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01
trace_directory_listener01=/u01/app/oracle/product/9.2.0.1.0/network/trace/CURSO01

STARTUP_WAIT_TIME_LISTENER = 0
CONNECT_TIMEOUT_LISTENER = 10

LISTENER01 =
  (ADDRESS_LIST =
    (ADDRESS = (PROTOCOL = IPC)(KEY = CURSO01))
    (ADDRESS = (PROTOCOL = TCP)(Host = 155.54.66.189)(Port = 1526))
  )

ADMIN_RESTRICTIONS_LISTENER = ON
ADMIN_RESTRICTIONS_ITEXT = ON

SID_LIST_LISTENER01 =
  (SID_LIST =
    (SID_DESC =
      (GLOBAL_DBNAME = "CURSO01.WORLD")
      (ORACLE_HOME = /u01/app/oracle/product/9.2.0.1.0) ...
```

11. Arrancar el listenerxx (tanto de forma directa como a través del menú "lsnrctl").

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl start listener01
```

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:08:19

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...

```
TNSLSNR for Linux: Version 9.2.0.6.0 - Production
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atika.um.es)(PORT=1526)))
```

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))

STATUS of the LISTENER

```

-----
Alias            listener01
Version          TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date      28-JAN-2006 14:08:19
Uptime          0 days 0 hr. 0 min. 0 sec
Trace Level     off
Security        OFF
SNMP            OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File  /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully

```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl stop listener01
```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:11:29
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
```

```
The command completed successfully
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl
```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:11:34
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Welcome to LSNRCTL, type "help" for information.
```

```
LSNRCTL> start listener01
```

```
Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...
```

```
TNSLSNR for Linux: Version 9.2.0.6.0 - Production
```

```
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
```

```
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
```

STATUS of the LISTENER

```

-----
Alias            listener01
Version          TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date      28-JAN-2006 14:11:41
Uptime          0 days 0 hr. 0 min. 0 sec
Trace Level     off
Security        OFF
SNMP            OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File  /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...

```

The command completed successfully
LSNRCTL>

12. Comprobar el estado de funcionamiento del "listener" tras su arranque.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl status listener01

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:13:16

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER
-----
Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date           28-JAN-2006 14:11:41
Uptime                0 days 0 hr. 1 min. 35 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File    /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atica.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>
```

13. Parar el listenerxx (de forma directa y a través del menú "lsnrctl").

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl stop listener01

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:14:07

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
The command completed successfully
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl start listener01

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:14:22

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...

TNSLSNR for Linux: Version 9.2.0.6.0 - Production
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atica.um.es)(PORT=1526)))

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER
```

```

-----
Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date          28-JAN-2006 14:14:22
Uptime              0 days 0 hr. 0 min. 0 sec
Trace Level         off
Security            OFF
SNMP                OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File   /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl

```

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:14:30

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Welcome to LSNRCTL, type "help" for information.

```

LSNRCTL> stop listener01
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
The command completed successfully
LSNRCTL>

```

14. Tras parar el listener comprobar su estado.

```

/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl status listener01

```

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:15:48

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

```

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
TNS-12541: TNS:no listener
TNS-12560: TNS:protocol adapter error
TNS-00511: No listener
Linux Error: 2: No such file or directory
Connecting to (ADDRESS=(PROTOCOL=TCP)(HOST=mncs.atca.um.es)(PORT=1526))
TNS-12541: TNS:no listener
TNS-12560: TNS:protocol adapter error
TNS-00511: No listener
Linux Error: 111: Connection refused
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>

```

```

/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
curso01 7653 7201 0 14:16 pts/2 00:00:00 grep lsn

```

15. Arrancar el listener01. Parar y arrancar la instancia de bd. Comprobar si sigue existiendo el proceso correspondiente al listener01.


```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl start listener01
```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:17:33
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...
```

```
TNSLSNR for Linux: Version 9.2.0.6.0 - Production
```

```
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
```

```
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
```

```
STATUS of the LISTENER
```

```
-----
Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date           28-JAN-2006 14:17:33
Uptime               0 days 0 hr. 0 min. 0 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File    /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> sqlplus /nolog
```

```
SQL*Plus: Release 9.2.0.6.0 - Production on Sat Jan 28 14:18:22 2006
```

```
Copyright (c) 1982, 2002, Oracle Corporation. All rights reserved.
```

```
SQL> connect / as sysdba;
```

```
Connected.
```

```
SQL>
```

```
SQL> shutdown immediate
```

```
Database closed.
```

```
Database dismounted.
```

```
ORACLE instance shut down.
```

```
SQL> exit
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep lsn
```

```
curso01 7658 1 0 14:17 pts/2 00:00:00 /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr listener01
-inherit
```

```
curso01 7663 7201 0 14:19 pts/2 00:00:00 grep lsn
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>
```

16. ¿Se generan ficheros de "log" como consecuencia de la operación con el "listener"? ¿En qué lugar se almacenan?

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl status listener01
```

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:21:10

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER

```
-----
Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date           28-JAN-2006 14:17:33
Uptime               0 days 0 hr. 3 min. 37 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File    /u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atca.um.es)(PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ls -al ../log/CURSO01
total 460
drwxrwx--- 2 oracle dba 4096 ene 28 13:50 .
drwxrwxr-x 26 oracle dba 4096 ene 28 13:36 ..
-rw-r--r-- 1 curso01 dba 6578 ene 28 14:21 listener01.log
-rwxrwx--- 1 oracle dba 449679 ene 28 13:34 listener.log
```

17.Modificar el "listener" de forma que se generen los ficheros de log en:
"/u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log".

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> vi listener.ora
```

```
...
log_directory_listener01=/u01/app/oracle/product/9.2.0.1.0/network/log
log_file_listener01=fichero_listener01.log
trace_directory_listener01=/u01/app/oracle/product/9.2.0.1.0/network/trace/CURSO01

STARTUP_WAIT_TIME_LISTENER = 0
CONNECT_TIMEOUT_LISTENER = 10
...
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl stop listener01
```

LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 27-APR-2005 14:27:18

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
The command completed successfully

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl start listener01
```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:33:45
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...
```

```
TNSLSNR for Linux: Version 9.2.0.6.0 - Production
```

```
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
```

```
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
```

```
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atica.um.es)(PORT=1526)))
```

```
...
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl status listener01
```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:34:42
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
```

```
STATUS of the LISTENER
```

```
-----
```

```
Alias                listener01
```

```
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
```

```
Start Date           28-JAN-2006 14:33:45
```

```
Uptime               0 days 0 hr. 0 min. 57 sec
```

```
Trace Level          off
```

```
Security             OFF
```

```
SNMP                 OFF
```

```
Listener Parameter File /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
```

```
Listener Log File     /u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
```

```
...
```

18. Comprobar que el "listener" genera los ficheros de log en "**/u01/app/oracle/product/9.2.0.1.0/network/log/listener01.log**". Comprobar el contenido del fichero.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ls -al ../log
```

```
total 556
```

```
drwxrwxr-x 26 oracle dba 4096 ene 28 14:33 .
```

```
drwxr-xr-x 13 oracle dba 4096 abr 5 2005 ..
```

```
...
```

```
-rw-r--r-- 1 curso01 dba 1057 ene 28 14:34 fichero_listener01.log
```

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01
```

```
(CURSO01)>
```

```
cat
```

```
../log/fichero_listener01.log
```

```
TNSLSNR for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:33:45
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
System parameter file is /u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
```

```
Log messages written to /u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
```

```
Trace information written to /u01/app/oracle/product/9.2.0.1.0/network/trace/CURSO01/listener01.trc
```

```
Trace level is currently 0
```

```
Started with pid=7695
```

```

Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=mncs.atica.um.es)(PORT=1526)))

TIMESTAMP * CONNECT DATA [* PROTOCOL INFO] * EVENT [* SID] * RETURN CODE
28-JAN-2006 14:33:45 * (CONNECT_DATA=(CID=(PROGRAM=)(HOST=mncs.atica.um.es)
(USER=curso01))(COMMAND=status)(ARGUMENTS=64)(SERVICE=listener01)(VERSION=153093632))
* status * 0
28-JAN-2006 14:34:42 * (CONNECT_DATA=(CID=(PROGRAM=)(HOST=mncs.atica.um.es)
(USER=curso01))(COMMAND=status)(ARGUMENTS=64)(SERVICE=listener01)(VERSION=153093632))
* status * 0
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>

```

19. Crear un fichero de sentencias que permita obtener el estado del "listener", pararlo y arrancarlo de nuevo. Revisar el tamaño del fichero de "log" del "listener" y mostrar el proceso correspondiente al mismo. Ejecutar dicho fichero. Volver a comprobar el tamaño del fichero de "log" del "listener" y a mostrar su proceso asociado; ¿ha variado el tamaño del fichero?, ¿cuál es la fecha del proceso?.

Editar un fichero llamado "parametros_listener" con vi. Tendrá el siguiente contenido:

```

/u01/app/.../network/admin/CURSO01 (CURSO01)> cat parametros_listener
status listener01
stop listener01
start listener01

```

```

/u01/app/oracle/product/.../network/admin/CURSO01 (CURSO01)> ls -al ../..//log
total 556
drwxrwxr-x 26 oracle dba 4096 ene 28 14:33 .
drwxr-xr-x 13 oracle dba 4096 abr 5 2005 ..
...
-rw-r--r-- 1 curso01 dba 1057 ene 28 14:34 fichero_listener01.log

```

```

/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ps -ef|grep
lis
root      3272  3261  0  2005 ?          00:00:01 /usr/X11R6/bin/X :0 -audit 0
-auth /var/gdm/:0.Xauth -nolisten tcp vt7
curso01   7695      1  0 14:33 pts/2    00:00:00 /
u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr listener01 -inherit
curso01   7715  7201  0 14:41 pts/2    00:00:00 grep lis

```

```

/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> lsnrctl
@parametros_listener

```

```
LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:42:14
```

```
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
```

```
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER
-----
```

```

Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date           28-JAN-2006 14:33:45
Uptime               0 days 0 hr. 8 min. 29 sec
Trace Level          off
Security             OFF
SNMP                 OFF

```

```

Listener Parameter File /
u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File /
u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=mncs.atika.um.es) (PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
Connecting to (ADDRESS=(PROTOCOL=IPC) (KEY=CURSO01))
The command completed successfully
Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...

```

```

TNSLSNR for Linux: Version 9.2.0.6.0 - Production
System parameter file is /
u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Log messages written to /
u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=mncs.atika.um.es)
(PORT=1526)))

```

```

Connecting to (ADDRESS=(PROTOCOL=IPC) (KEY=CURSO01))
STATUS of the LISTENER
-----

```

```

Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.6.0 - Production
Start Date           28-JAN-2006 14:42:14
Uptime               0 days 0 hr. 0 min. 0 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener Parameter File /
u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener Log File /
u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=CURSO01)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=mncs.atika.um.es) (PORT=1526)))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
The command completed successfully
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)>

```

```

/u01/app/.../admin/CURSO01 (CURSO01)> ps -ef|grep lis
root      3272  3261  0  2005 ?        00:00:01 /usr/X11R6/bin/X :0 -audit 0
-auth /var/gdm/:0.Xauth -nolisten tcp vt7
curso01   7718      1  0 14:42 pts/2    00:00:00 /
u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr listener01 -inherit
curso01   7720  7201  0 14:42 pts/2    00:00:00 grep lis

```

```

/u01/app/.../admin/CURSO01 (CURSO01)> ls -al ../..log
...
-rw-r--r--  1 curso01 dba    2457 ene 28 14:42 fichero_listener01.log

```

20. Comprobar el contenido del fichero "fichero_listenerxx.log".

```

/u01/app/.../admin/CURSO01 (CURSO01)> tail -25 ../..log
log/fichero_listener01.log

```

```

Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=mncs.atika.um.es)
(PORT=1526)))

TIMESTAMP * CONNECT DATA [* PROTOCOL INFO] * EVENT [* SID] * RETURN CODE
28-JAN-2006 14:33:45 * (CONNECT_DATA=(CID=(PROGRAM=) (HOST=mncs.atika.um.es)
(USER=curso01)) (COMMAND=status) (ARGUMENTS=64) (SERVICE=listener01)
(VERSION=153093632)) * status * 0
28-JAN-2006 14:34:42 * (CONNECT_DATA=(CID=(PROGRAM=) (HOST=mncs.atika.um.es)
(USER=curso01)) (COMMAND=status) (ARGUMENTS=64) (SERVICE=listener01)
(VERSION=153093632)) * status * 0
28-JAN-2006 14:42:14 * (CONNECT_DATA=(CID=(PROGRAM=) (HOST=mncs.atika.um.es)
(USER=curso01)) (COMMAND=status) (ARGUMENTS=64) (SERVICE=listener01)
(VERSION=153093632)) * status * 0
No longer listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=CURSO01)))
No longer listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)
(HOST=mncs.atika.um.es) (PORT=1526)))
28-JAN-2006 14:42:14 * (CONNECT_DATA=(CID=(PROGRAM=) (HOST=mncs.atika.um.es)
(USER=curso01)) (COMMAND=stop) (ARGUMENTS=64) (SERVICE=listener01)
(VERSION=153093632)) * stop * 0

```

TNSLSNR for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:42:14

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

```

System parameter file is /
u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Log messages written to /
u01/app/oracle/product/9.2.0.1.0/network/log/fichero_listener01.log
Trace information written to /
u01/app/oracle/product/9.2.0.1.0/network/trace/CURSO01/listener01.trc
Trace level is currently 0

```

Started with pid=7718

```

Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc) (KEY=CURSO01)))
Listening on: (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=mncs.atika.um.es)
(PORT=1526)))

```

```

TIMESTAMP * CONNECT DATA [* PROTOCOL INFO] * EVENT [* SID] * RETURN CODE
28-JAN-2006 14:42:14 * (CONNECT_DATA=(CID=(PROGRAM=) (HOST=mncs.atika.um.es)
(USER=curso01)) (COMMAND=status) (ARGUMENTS=64) (SERVICE=listener01)
(VERSION=153093632)) * status * 0

```

21. Obtener información sobre los servicios e instancias registradas, y los manejadores asociados a cada instancia (lsnrctl services).

```
/u01/app/.../network/admin/CURSO01 (CURSO01)> lsnrctl services listener01
```

LSNRCTL for Linux: Version 9.2.0.6.0 - Production on 28-JAN-2006 14:46:46

Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

```

Connecting to (ADDRESS=(PROTOCOL=IPC) (KEY=CURSO01))
Services Summary...
Service "CURSO01.WORLD" has 1 instance(s).
  Instance "CURSO01", status UNKNOWN, has 1 handler(s) for this service...
    Handler(s):
      "DEDICATED" established:0 refused:0
        LOCAL SERVER
The command completed successfully

```

22. Configurar el fichero sqlnet.ora de forma que se use un modelo no centralizado para resolver los identificadores (NAMES.DIRECTORY_PATH) y que sean eliminadas las sesiones que permanezcan inactivas más de cinco minutos.

```
/u01/app/.../network/admin/CURSO01 (CURSO01)> cat sqlnet.ora
NAMES.DIRECTORY_PATH=(tnsnames)
sqlnet.expire_time=300
#trace_level_client=16
#trace_file_client=cliente817.trc
#trace_directory_client=/u01/app/oracle/product/817/network/trace
#trace_file_server=servidor817.trc
#trace_directory_server=/u01/app/oracle/product/817/network/trace
```

23. Añadir al fichero tnsnames.ora un nombre de servicio que permita conectar a la bd propia con la bd CURSO22.

```
/u01/app/.../admin/CURSO01 (CURSO01)> mv tnsnames.ora tnsnames.ora.antiguo
/u01/app/.../admin/CURSO01 (CURSO01)> cp tnsnames.ora.antiguo tnsnames.ora

/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01 (CURSO01)> ls -al tns*
-rwxr-x--- 1 curso01 dba 1484 ene 28 14:52 tnsnames.ora
-rwxrwx--- 1 oracle dba 1484 ene 28 13:02 tnsnames.ora.antiguo
```

Se incluirá en el tnsnames.ora la siguiente definición (fijese en el puerto, coincide con el puerto donde escuchará el "listener"):

```
CURSO22 =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP) (Host = mncs.atika.um.es) (Port = 1544))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = CURSO22.WORLD)
    )
  )
```

24. Conectarse como usuario system a la bd propia y crear un database link publico que permita conectar a la bd CURSO22, como system igualmente. Comprobar que se ha creado correctamente consultando la vista dba_db_links. Realizar una consulta sobre la vista dba_db_links de la bd remota.

```
SQL> create public database link dl_curso22 using 'CURSO22';
```

Database link created.

```
SQL> select * from dba_db_links;
```

OWNER	DB_LINK	
-----	-----	-----
USERNAME	HOST	CREATED
-----	-----	-----
PUBLIC	DL_CURSO22 CURSO22	29-APR-05

```
SQL> select * from dba_db_links@dl_curso22;
select * from dba_db_links@dl_curso22
```

*

```
ERROR at line 1:
ORA-01017: invalid username/password; logon denied
ORA-02063: preceding line from DL_CURSO22
```

Esto sucede porque las claves de usuario en ambas bases de datos son distintas. Se modifica la clave del usuario system, de forma que sean iguales -en curso22 es la clave "manager" - y se abre una nueva sesión.

```
SQL> alter user system identified by manager;
```

```
User altered.
```

```
SQL> connect system
Enter password:
Connected.
```

```
SQL> select * from dba_db_links@dl_curso22;
```

```
no rows selected
```

Una vez hecho el ejercicio se restablece la clave original de system.

```
SQL> alter user system identified by systcurso01;
```

```
User altered.
```

En la base de datos remota debe existir un "listener" escuchando las peticiones y arrancado:

```
/u01/app/.../network/admin/CURSO24 (CURSO24)> vi listener.ora
```

```
# LISTENER.ORA Network Configuration File: /
home/app/oracle/product/9.2.0.1.0/network/admin/listener.ora
# Generated by Oracle configuration tools.
```

```
#####
```

```
log_directory_listener22=/u01/app/oracle/product/9.2.0.1.0/network/log/CURSO22
log_file_listener22=fichero_listener22
trace_directory_listener22=/u01/app/oracle/product/9.2.0.1.0/network/trace/CUR
SO22
```

```
STARTUP_WAIT_TIME_LISTENER = 0
```

```
CONNECT_TIMEOUT_LISTENER = 10
```

```
LISTENER22 =
```

```
(ADDRESS_LIST =
```

```
(ADDRESS = (PROTOCOL = IPC) (KEY = CURSO22))
```

```
(ADDRESS = (PROTOCOL = TCP) (Host = 155.54.66.189) (Port = 1544))
```

```
)
```

```
ADMIN_RESTRICTIONS_LISTENER = ON
```

```
ADMIN_RESTRICTIONS_ITEXT = ON
```

```
SID_LIST_LISTENER22 =
```

```
(SID_LIST =
```

```
(SID_DESC =
```



```

        (GLOBAL_DBNAME = "CURSO22.WORLD")
        (ORACLE_HOME = /u01/app/oracle/product/9.2.0.1.0)
        (SID_NAME = CURSO22)
    )
)
TRACE_LEVEL_LISTENER = OFF

```

```

/u01/app/.../admin/CURSO24 (CURSO24)> lsnrctl start listener22

LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 30-APR-2005 11:51:17
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Starting /u01/app/oracle/product/9.2.0.1.0/bin/tnslsnr: please wait...
...

```

Es interesante en este ejercicio fijarse en que el "domain name" se obtiene del valor GLOBAL_NAME de la bd, o, más bien, del valor de GLOBAL_NAME en el momento de creación del dblink (así, si se modifica GLOBAL_NAME, no se renombra ningún dblink existente con anterioridad). Más información en la nota 115499.1 y en el ejemplo siguiente:

```

SQL> select db_link from user_db_links;

DB_LINK
-----
LOOPBACK.US.ORACLE.COM
MYLINK.US.ORACLE.COM

SQL> select * from global_name;

GLOBAL_NAME
-----
V920.US.ORACLE.COM

SQL> alter database rename global_name to V920.WORLD;

Database altered.

SQL> select * from global_name;

GLOBAL_NAME
-----
V920.WORLD

SQL> create database link loopback2 connect to scott identified by tiger using
'loopback';

Database link created.

SQL> select db_link from user_db_links;

DB_LINK
-----
LOOPBACK.US.ORACLE.COM
LOOPBACK2.WORLD
MYLINK.US.ORACLE.COM

```

25. Conectarse como usuario "scott". Realizar una consulta de la tabla "dept" usando el enlace creado anteriormente.

```
SQL> connect scott
Enter password:
Connected.

SQL> set pause on
SQL> select * from dept@dl_curso22;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

En caso de que no exista el usuario "SCOTT" realizar las siguientes operaciones:

```
- cd $ORACLE_HOME/rdbms/admin
- Conectar a sqlplus como usuario "sysdba"

/u01/app/oracle/product/.../rdbms/admin (CURSO10)> sqlplus /nolog

SQL> connect / as sysdba;

- Ejecutar "utlsampl.sql"

SQL> @utlsampl.sql
```

26. Crear un database link privado para el usuario "scott". Realizar una consulta de la tabla "dept" del usuario "scott" de la bd remota, empleando dicho dblink privado.

```
SQL> connect scott
Enter password:
Connected.

SQL> create database link dl_scott_curso22 connect to scott identified by
tiger using 'CURSO22';

Database link created.

SQL> select * from dept@dl_scott_curso22;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

27. Crear un database link público llamado dl_scott_curso22. ¿Es posible?, ¿qué privilegio se requiere?.

```
SQL> connect scott
Enter password:
Connected.
```

```
SQL> create public database link dl_pscott_curso22 using 'CURSO22';
create public database link dl_pscott_curso22 using 'CURSO22'
*
ERROR at line 1:
ORA-01031: insufficient privileges
```

28. Cambiar el nombre de fichero listener.log sin parar el "listener". Debe crearse un nuevo "log" llamado nuevolog_listener01.log.

```
/u01/app/.../network/admin/CURSO01 (CURSO01)> lsnrctl

LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 30-APR-2005 13:58:51
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.
Welcome to LSNRCTL, type "help" for information.

LSNRCTL> set current_listener listener01
Current Listener is listener01

LSNRCTL> set log_file nuevolog_listener01
Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
listener01 parameter "log_file" set to nuevolog_listener01.log
The command completed successfully

LSNRCTL> exit

/u01/app/.../network/admin/CURSO01 (CURSO01)> lsnrctl status listener01

LSNRCTL for Linux: Version 9.2.0.1.0 - Production on 30-APR-2005 13:59:38
Copyright (c) 1991, 2002, Oracle Corporation. All rights reserved.

Connecting to (ADDRESS=(PROTOCOL=IPC)(KEY=CURSO01))
STATUS of the LISTENER
-----
Alias                listener01
Version              TNSLSNR for Linux: Version 9.2.0.1.0 - Production
Start Date           30-APR-2005 12:43:36
Uptime               0 days 1 hr. 16 min. 2 sec
Trace Level          off
Security             OFF
SNMP                 OFF
Listener             Parameter          File
u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01/listener.ora
Listener             Log              File
u01/app/oracle/product/9.2.0.1.0/network/log/CURSO01/nuevolog_listener01.log
...
```

Se crea así un nuevo "log" llamado nuevolog_listener01.log. El antiguo fichero de "log" permanece hasta ser borrado o renombrado. El "listener" continuará escribiendo en el nuevo fichero hasta su rearranque.

```
/u01/app/oracle/product/9.2.0.1.0/network/admin/CURSO01      (CURSO01)>      ls
-al ../../log
total 600
drwxrwxr-x  26 oracle  dba    4096 ene 28 16:20 .
drwxr-xr-x  13 oracle  dba    4096 abr  5 2005 ..
...
-rw-r--r--   1 curso01 dba     210 ene 28 16:21 nuevolog_listener01.log
```