

Configuring and Managing the Oracle Network

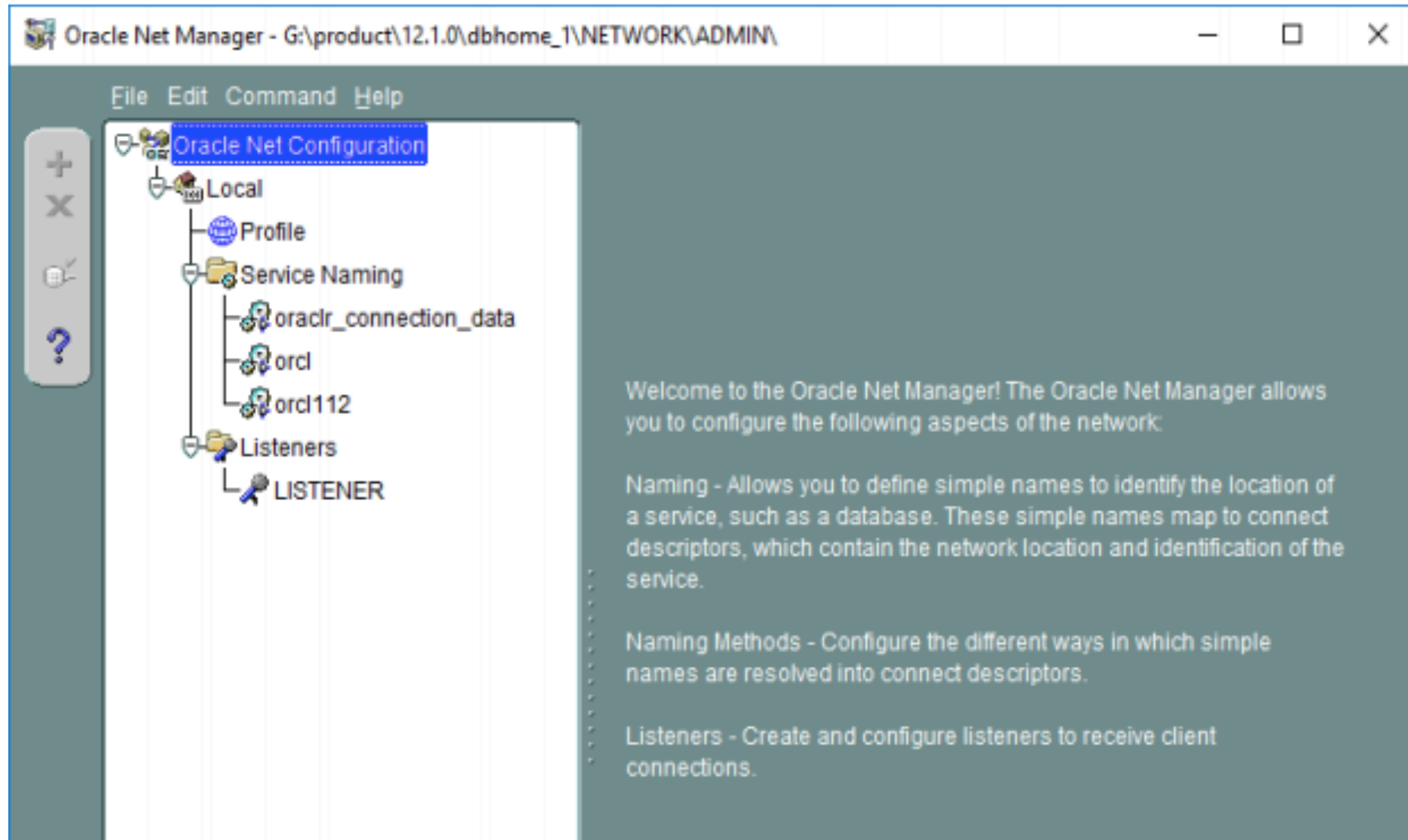
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Net Manager Interface

Tools dalam oracle yang menggabungkan konfigurasi dengan nama pada Oracle komponen kontrol untuk menyediakan lingkungan terpadu untuk mengkonfigurasi dan mengelola Oracle Net.

Net Manager Interface



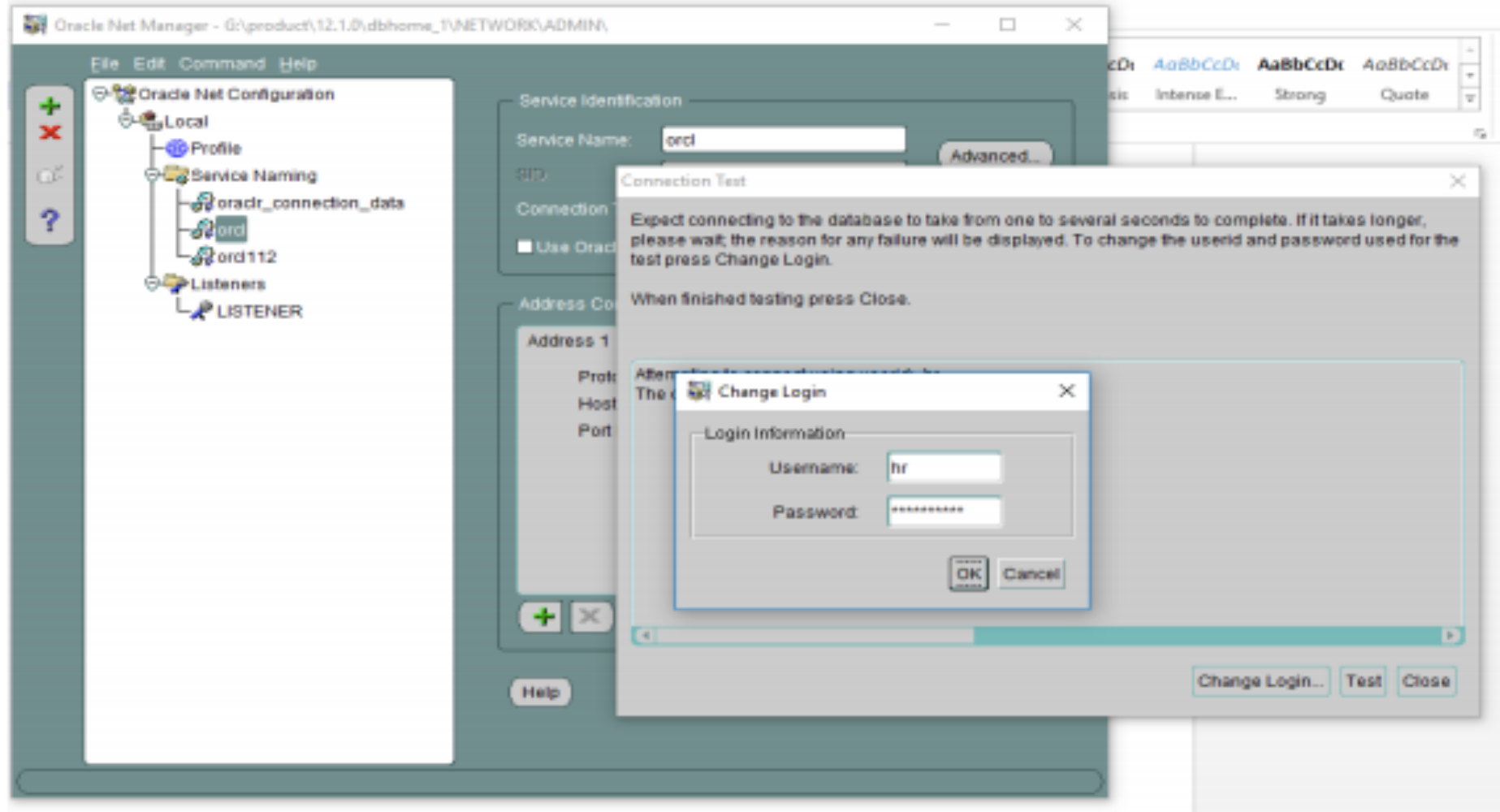
Listener.ora Configuration

```
change.log listener.ora
1  # listener.ora Network Configuration File: G:\product\12.1.0\dbhome_1\network\admin\listener.ora
2  # Generated by Oracle configuration tools.
3
4  SID_LIST_LISTENER =
5      (SID_LIST =
6          (SID_DESC =
7              (SID_NAME = CLRExtProc)
8              (ORACLE_HOME = G:\product\12.1.0\dbhome_1)
9              (PROGRAM = extproc)
10             (ENVS = "EXTPROC_DLLS=ONLY:G:\product\12.1.0\dbhome_1\bin\oraclr12.dll")
11         )
12     )
13
14  LISTENER =
15      (DESCRIPTION_LIST =
16          (DESCRIPTION =
17              (ADDRESS = (PROTOCOL = IPC) (KEY = EXTPROC1521))
18              (ADDRESS = (PROTOCOL = TCP) (HOST = localhost) (PORT = 1521))
19          )
20      )
21
```

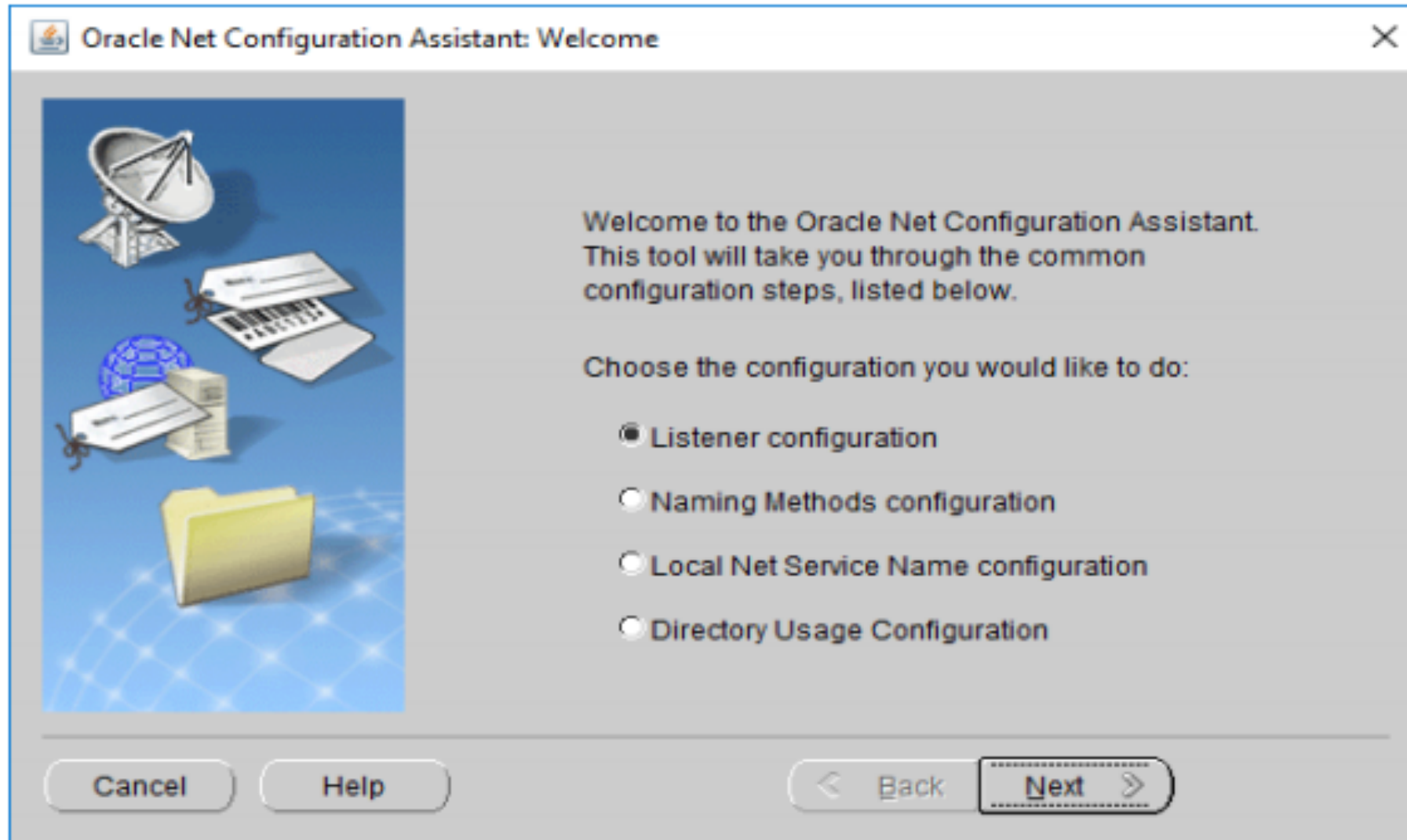
Tnsnames.ora Configuration

```
1 # tnsnames.ora Network Configuration File: G:\product\12.1.0\dbhome_1\network\admin\tnsnames.ora
2 # Generated by Oracle configuration tools.
3
4 LISTENER_ORCL112 =
5   (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
6
7
8 ORACLE_CONNECTION_DATA =
9   (DESCRIPTION =
10     (ADDRESS_LIST =
11       (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1521))
12     )
13     (CONNECT_DATA =
14       (SID = CLRExtProc)
15       (PRESENTATION = RO)
16     )
17   )
18
19 LISTENER_ORCL =
20   (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
21
22
23 ORCL =
24   (DESCRIPTION =
25     (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
26     (CONNECT_DATA =
27       (SERVER = DEDICATED)
28       (SERVICE_NAME = orcl)
29     )
30   )
31
32 ORCL112 =
33   (DESCRIPTION =
34     (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
35     (CONNECT_DATA =
36       (SERVER = DEDICATED)
37       (SERVICE_NAME = orcl112)
38     )
39   )
40
```

Connection Test



Net Configuration Assistant



Listener

```
Administrator: Command Prompt - lsnrctl

C:\>lsnrctl

LSNRCTL for 64-bit Windows: Version 12.1.0.1.0 - Production on 09-MAR-2017 03:01:02

Copyright (c) 1991, 2013, Oracle. All rights reserved.

Welcome to LSNRCTL, type "help" for information.

LSNRCTL> status
Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))
STATUS of the LISTENER
-----
Alias                LISTENER
Version              TNSLSNR for 64-bit Windows: Version 12.1.0.1.0 - Production
Start Date           06-MAR-2017 21:08:06
Uptime                2 days 5 hr. 53 min. 2 sec
Trace Level           off
Security              ON: Local OS Authentication
SNMP                  OFF
Listener Parameter File G:\product\12.1.0\dbhome_1\network\admin\listener.ora
Listener Log File     G:\product\12.1.0\dbhome_1\log\diag\tnslnsr\Home-PC\listener>alert\log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(PIPENAME=\\.\pipe\EXTPROC1521ipc)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=127.0.0.1)(PORT=1521)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcps)(HOST=Home-PC)(PORT=5500))(Security=(my_wallet_directory=G:\admin\orcl\xdb_wallet)))(Presentation=HTTP)(Session=RAW))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcps)(HOST=Home-PC)(PORT=5501))(Security=(my_wallet_directory=G:\admin\orcl112\xdb_wallet)))(Presentation=HTTP)(Session=RAW))
Services Summary...
Service "CLRExtProc" has 1 instance(s).
  Instance "CLRExtProc", status UNKNOWN, has 1 handler(s) for this service...
Service "orcl" has 1 instance(s).
  Instance "orcl", status READY, has 1 handler(s) for this service...
Service "orcl112" has 1 instance(s).
  Instance "orcl112", status READY, has 1 handler(s) for this service...
Service "orcl112XDB" has 1 instance(s).
  Instance "orcl112", status READY, has 1 handler(s) for this service...
Service "orclXDB" has 1 instance(s).
```


Konfigurasi Client Side : Koneksi

```
SQL> conn namaUser/password@namahost:1521/namaSID;  
Connected.
```

Konfigurasi Client Side : Setting manual

tnames.ora

-> ..\12.1.0\dbhome_1\network\admin\tnames.ora

```
LISTENER_ORCL =
```

```
  (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
```

```
ORCL =
```

```
  (DESCRIPTION =
```

```
    (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
```

```
    (CONNECT_DATA =
```

```
      (SERVER = DEDICATED)
```

```
      (SERVICE_NAME = orcl)
```

```
    )
```

```
  )
```

Test Ping

C:\>tnsping orcl

```
TNS Ping Utility for 64-bit Windows: Version 12.1.0.1.0 - Production on 09-  
MAR-2017 03:03:45
```

```
Copyright (c) 1997, 2013, Oracle. All rights reserved.
```

```
Used parameter files:
```

```
G:\product\12.1.0\dbhome_1\network\admin\sqlnet.ora
```

```
Used TNSNAMES adapter to resolve the alias
```

```
Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST =  
localhost) (PORT = 1521)) (CONNECT_DATA = (SERVER = DEDICATED) (SERVICE_NAME  
= orcl)))
```

```
OK (60 msec)
```

Configure Communication Between Database

```
SQL> create database link coba
      2 connect to system identified by amikom using 'orcl';
```

Database link created.

```
SQL> select * from all_users@coba;
```

USERNAME

USER_ID	CREATED	COM	O	

SCOTT				
110	20-FEB-17	NO	N	
OE				
109	20-FEB-17	NO	N	
PM				
106	20-FEB-17	NO	N	

USERNAME

USER_ID	CREATED	COM	O	



Create Oracle Database

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