

Linked Server (Oracle 9i)

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Hello all,

Having problems connecting to an Oracle 9i database from within SQL/Server 2000 using the Security/Linked Servers feature.

Server1 (SQL/Server)

Windows Server 2003, Standard edition
MS SQL/Server 2000
Oracle 9i Client kit (OLEDB & ODBC) & Enterprise management tools
Microsoft ODBC for Oracle
Oracle OLEDB
MDAC 2.8 RTM

Server2 (Oracle)

Windows 2000 – Advanced Server
Oracle 9i database (v9.2.0.1.0)
Two nodes clustered using Microsoft cluster manager. (Nodes are DATABASE01 & DATABASE02 – Cluster is WMCLUSTER)

When I try to connect to the linked server in Enterprise Manager I get the following error messages.

Error 7399 OLE DB provider 'MSDAORA' reported an error. Authentication failed.

OLE DB error trace [OLE/DB Provider 'MSDAORA'
IDBInitialize::Initialize returned 0x80040e4d: Authentication failed.].

>From within Query analyzer I get a slightly different message reporting that the username/password are incorrect.

```
dbcc traceon(7399)
select * from TURLIVE..SONICA.INV_LOC
```

microsoft.public.sqlserver: Linked Server (Oracle 9i)

```
Server: Msg 7399, Level 16, State 1, Line 3
OLE DB provider 'MSDAORA' reported an error. Authentication failed.
[OLE/DB provider returned message: ORA-01017: invalid
username/password; logon denied
]
OLE DB error trace [OLE/DB Provider 'MSDAORA'
IDBInitialize::Initialize returned 0x80040e4d: Authentication
failed.]
```

I know the username/password combination is correct and I can use these from with Oracle enterprise Manager with success.

TURLIVE is the name I've given the linked server, SONICA is the name of the schema on the Oracle database and INV_LOC is a valid table. TURLIVE is also the name of the database instance on Server2.

Steps taken so far

Install Oracle client tools (Enterprise Manager, Net manager etc) on Server1.

Setup an entry in TNSNAMES.ORA to the cluster that has the Oracle database. e.g.

```
TURLIVE =
(DESCRIPTION =
  (ADDRESS_LIST =
    (ADDRESS = (PROTOCOL = TCP)(HOST = WMCLUSTER)(PORT = 1521))
  )
  (CONNECT_DATA =
    (SERVICE_NAME = TURLIVE)
  )
)
```

This works fine, I can connect via Oracle Enterprise manager and I can TNSPING WMCLUSTER, DATABASE01 & DATABASE02.

Configured an ODBC source to TURLIVE.

On Server1 I've configured the linked server using the following SQL.

```
sp_addlinkedserver 'TURLIVE', 'Oracle', 'MSDAORA', 'TURLIVE'
sp_addlinkedsrvlogin 'TURLIVE', false, 'sa', 'sonica', '*****'
```

(password blanked)

I then rebooted Server1

The properties of the new linked server are:

microsoft.public.sqlserver: Linked Server (Oracle 9i)

Product name = Oracle
Data Source = TURLIVE
Provider String = blank

I've modified the registry on Server1 as instructed by a Microsoft KB article.

HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\MSDTC\MTxOCI\

OracleXaLib = "oracleclient8.dll"
OracleSqlLib = "orasql8.dll"
OracleOciLib = "oci.dll"

Still no luck. Can anyone please point out he bleeding obvious? :-)
Thanks in advance

As an aside, has anyone ever configured a linked server to an Oracle Rdb (Previously DEC Rdb running on OpenVMS and DEC UNIX) database?
Are there any HOWTO guides for this type of connectivity?

Cheers
Dave.