NEXTSTEP

Title: Using EOF with Oracle SQLNet*V1and SQLNet*V2

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Questions

Q: I want to connect to my Oracle7 server using SQLNet*V2.   How can I make it work with EOModeler?

Answers

A: EOModeler should work when the Oracle server and the NEXTSTEP client(s) are properly configured.
Here are some suggestions to troubleshoot possible configuration problems:

On the Oracle server side (i.e., HP-UX, Solaris, etc.) :

-When installing Oracle, make sure to install the version of   SQLNet   (V1 or V2) that you intend to use.   You may install both.
Please note that EOF Release 1.0 supports only SQLNet*V1.   Release 1.1 support both SQLNet*V1 and V2.

- Check for the following entries in `/etc/services`

```
orasrv    1525/tcp              # Oracle SQL+Net V1 port
tnslsnr   1521/tcp              # Oracle SQL+Net V2 port
```

Note: If you put these two service entries in the root level domain, it will enable all the machines in the network.

- `/etc/hosts` should contain entries for the NEXTSTEP client machines (i.e., 129.11.33.22   cubs)

On the NEXSTEP client side:

-   If you are using SQL*Net V1, you'll need to add the orasrv service entry
(In NetInfoMgr: Edit->Duplicate services/ftp, and set name=orasrv, port=1525, protocol=tcp)

- If you are using SQL*Net V 2,   you'll need to add a file `tnsnames.ora` to the `/etc` directory. Note that both server and client must have the same entry in the `tnsnames.ora` file.   You also need to have an entry for `tnslsnr 1521/tcp` in the `/etc/services` on your NEXTSTEP client (similar to your Oracle server) for SQL*Net V2.

- Enter the following information into the Oracle Login panel of EOModeler

For SQL*Net V1 style connection:
```
        Server ID:      your ORACLE_SID
        Host Machine:   your oracle server host name
        User Name:      some_username
        Password:       some_password
```

For SQL*Net V2 style connection:
```
        Server ID:      <<This is the aliasname in /etc/tnsnames.ora for SQL*Net V2.1;
                        it could be the ORACLE_SID for SQL*Net V2.0>>
        Host Machine:   <<MUST BE BLANK>>
        User Name:      some_username
        Password:       some_password
```

You can also enter the full SQL*Net V2 connection alias into the Server ID   field and leave all the other fields

blank.

Here is an example of using tnsnames.ora for a SQL*Net V2.1 style connection:

```
Server ID:      anvl.world
Host Machine:
User Name:      system
Password:       ???
```

and the corresponding `/etc/tnsnames.ora` file:

```
#
# File: tnsnames.ora
# Created ad hoc by trieger 3/21/95 based
#       on technical support fax from Oracle
#
# Was just after address, tech support had me remove it.
#       (COMMUNITY = tcp.world)
# 3/23/95 - after reading techsupport fax #2, appended
#   .world to alias name below, network connections
#   locally seem to work now.
ANVL.world =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS =
        (PROTOCOL = TCP)
        (Host = eddy)
    (Port = 1521)
      )
    )
    (CONNECT_DATA =
      (SID = ANVL)
    )
```

)

Valid for: EOF 1.1, NEXTSTEP 3.2 Developer, NEXTSTEP 3.3 Developer

See Also: