```
# This file contains the syntax information for

# the entries to be put in any tnsnames.ora file

# The entries in this file are need based.

# There are no defaults for entries in this file

# that Sqlnet/Net3 use that need to be overridden

#

# Typically you could have two tnsnames.ora files

# in the system, one that is set for the entire system

# and is called the system tnsnames.ora file, and a

# second file that is used by each user locally so that

# he can override the definitions dictated by the system

# tnsnames.ora file.


# The entries in tnsnames.ora are an alternative to using

# the names server with the onames adapter.

# They are a collection of aliases for the addresses that

# the listener(s) is(are) listening for a database or

# several databases.


# The following is the general syntax for any entry in

# a tnsnames.ora file. There could be several such entries

# tailored to the user's needs.


<alias>= [ (DESCRIPTION_LIST =  # Optional depending on whether u have

                               # one or more descriptions

                               # If there is just one description, unnecessary ]

          (DESCRIPTION=
```

```
    [ (SDU=2048) ]          # Optional, defaults to 2048

                            # Can take values between 512 and 32K

    [ (ADDRESS_LIST=    # Optional depending on whether u have

                        # one or more addresses

                        # If there is just one address, unnecessary ]

  (ADDRESS=

        [ (COMMUNITY=<community_name>) ]

        (PROTOCOL=tcp)

        (HOST=<hostname>)

        (PORT=<portnumber (1521 is a standard port used)>)

  )

  [ (ADDRESS=

          (PROTOCOL=ipc)

          (KEY=<ipckey (PNPKEY is a standard key used)>)

          )

  ]

  [ (ADDRESS=

        [ (COMMUNITY=<community_name>) ]

        (PROTOCOL=decnet)

        (NODE=<nodename>)

        (OBJECT=<objectname>)

        )

  ]
... # More addresses

  [ ) ] # Optional depending on whether ADDRESS_LIST is used or not

  [ (CONNECT_DATA=

        (SID=<oracle_sid>)
```

```
        [ (GLOBAL_NAME=<global_database_name>) ]

  )

 ]

 [ (SOURCE_ROUTE=yes) ]

)

(DESCRIPTION=

 [ (SDU=2048) ]          # Optional, defaults to 2048

                         # Can take values between 512 and 32K

 [ (ADDRESS_LIST= ]      # Optional depending on whether u have more

                         # than one address or not

                         # If there is just one address, unnecessary

  (ADDRESS

      [ (COMMUNITY=<community_name>) ]

      (PROTOCOL=tcp)

      (HOST=<hostname>)

      (PORT=<portnumber (1521 is a standard port used)>)

  )

  [ (ADDRESS=

       (PROTOCOL=ipc)

      (KEY=<ipckey (PNPKEY is a standard key used)>)

    )

  ]

   ...            # More addresses

 [ ) ]            # Optional depending on whether ADDRESS_LIST

                  # is being used

 [ (CONNECT_DATA=

      (SID=<oracle_sid>)
```

```
                [ (GLOBAL_NAME=<global_database_name>) ]

        )

      ]

      [ (SOURCE_ROUTE=yes) ]

    )

    [ (CONNECT_DATA=

        (SID=<oracle_sid>)

        [ (GLOBAL_NAME=<global_database_name>) ]

      )

    ]

    ...  # More descriptions

  [ ) ]      # Optional depending on whether DESCRIPTION_LIST is used or not
```