

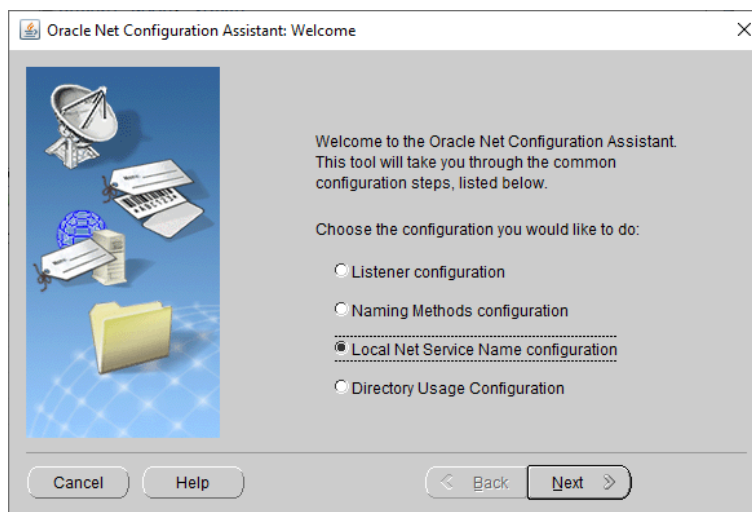
Utilitarul Net Configuration Assistant

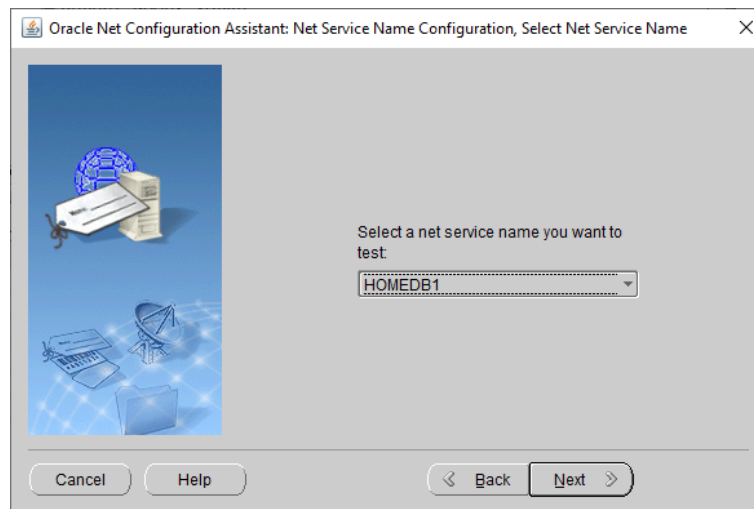
Oracle Database 19c

Configurare Local Net Service Name

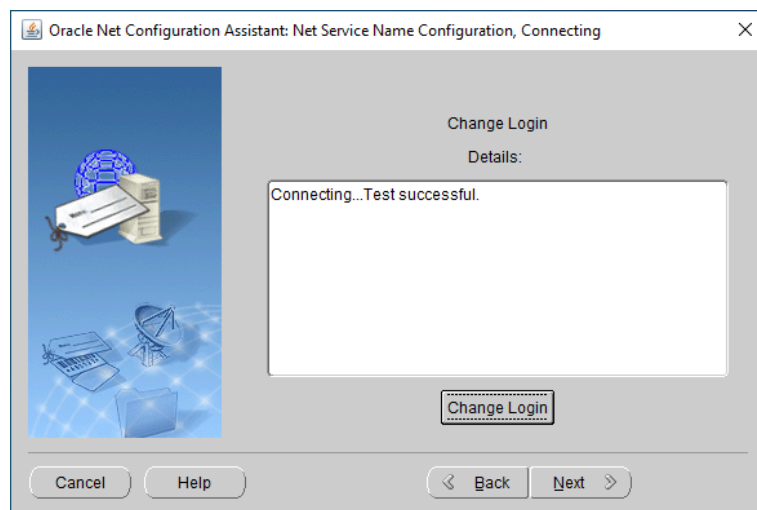
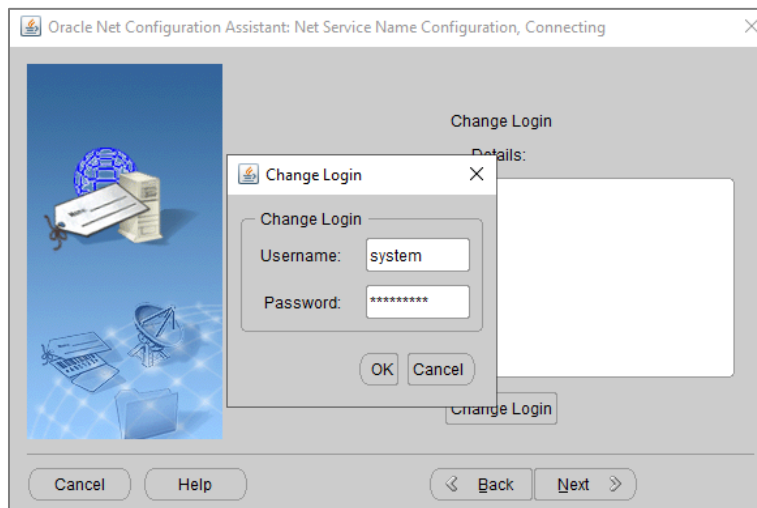
1. Testare Net Service Name existent

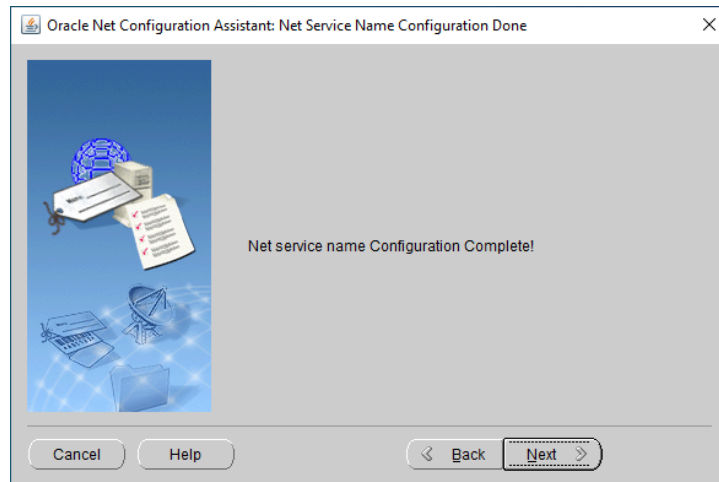
- a. Implicit sistemul definește un *Net Service Name* odată cu crearea bazei de date al cărui nume este identic cu numele bazei de date.
- b. Pentru testare trebuie să utilizați un user definit deja și parola setată pentru acesta.





- c. Pentru testare puteți folosi user-ul *system* cu parola *Admin#DB1* (parola setată la instalare pentru user-ii cu role de administrare).

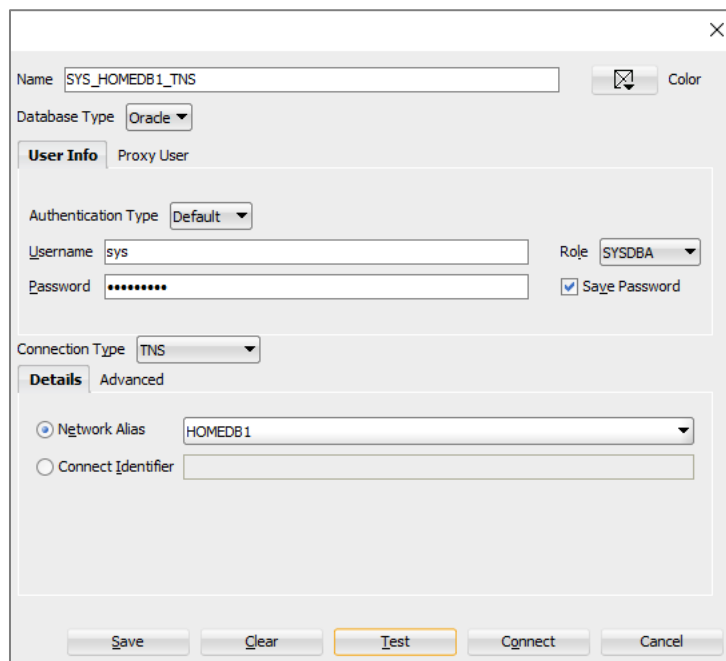




Observație: În fișierul de configurare *tnsnames.ora* erau deja aceste informații.

```
HOMEDB1=
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = TCP) (HOST = localhost)
        (PORT = 1521))
    )
    (CONNECT_DATA =
      (SERVICE_NAME = homedb1)
    )
  )
```

- d. În SQL Developer puteți defini o nouă conexiune care va utiliza conexiune de tip TNS, iar pentru Network Alias HOMEDB1 (Atenție: nu confundați Network Alias cu Service Name! În mod implicit, este definit un Network Alias care are același nume cu Service Name-ul / SID-ul bazei de date).



- e. Varianta de conexiune în care se specifică informațiile complete (nerecomandată din motive de securitate) presupune utilizarea conexiune de tip BASIC și specificarea *hostname*-ului, a portului și *SID*-ului sau a *Service Name*-ului bazei de date.

- Specificare SID

The screenshot shows the Oracle Net Configuration Assistant dialog box. The 'Name' field is set to 'SYS_HOMEDB1_BASIC'. The 'Database Type' is set to 'Oracle'. The 'User Info' tab is selected, showing 'Authentication Type' as 'Default', 'Username' as 'sys', 'Role' as 'SYSDBA', and 'Password' as masked. The 'Details' tab is also visible, showing 'Hostname' as 'localhost', 'Port' as '1521', and 'SID' as 'HOMEDB1'. The 'Test' button is highlighted.

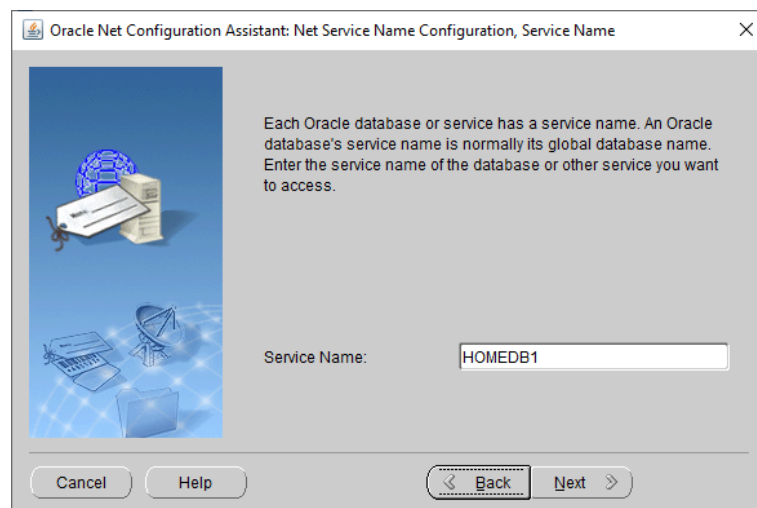
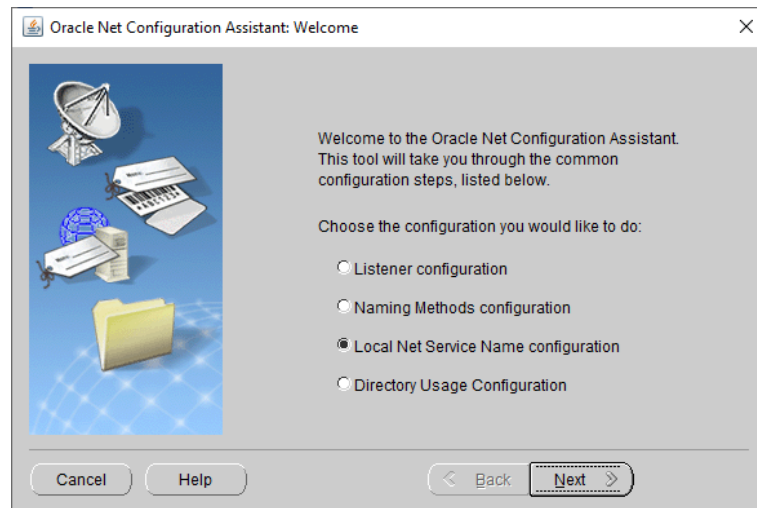
- Specificare Service Name

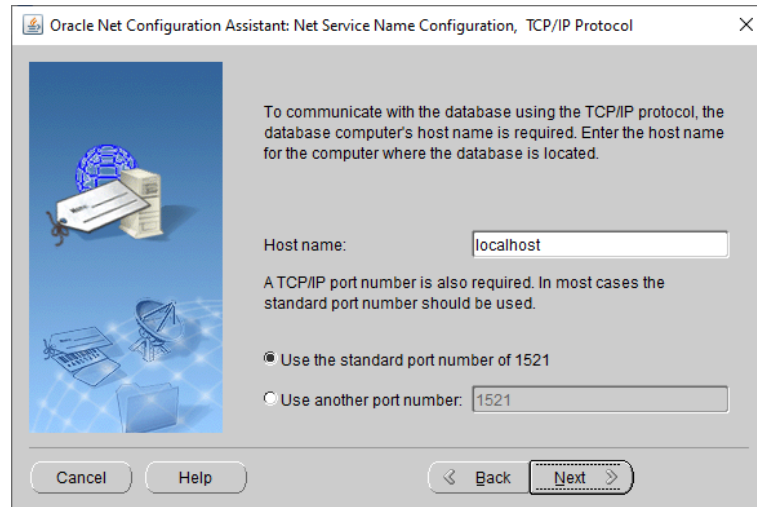
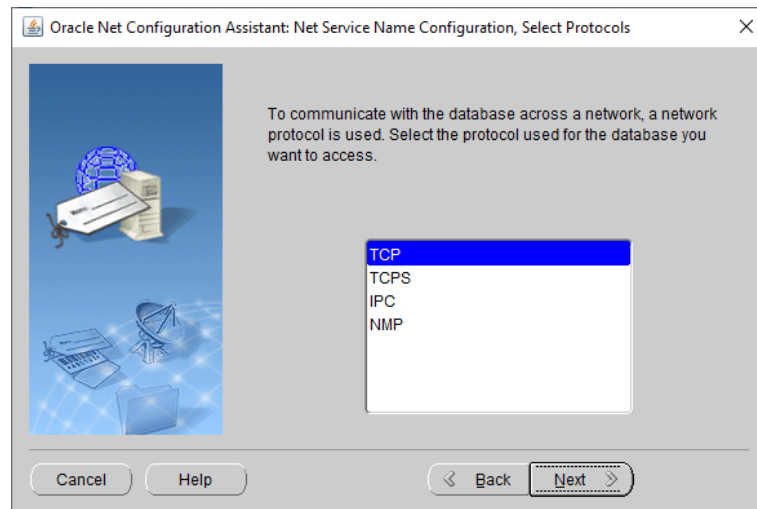
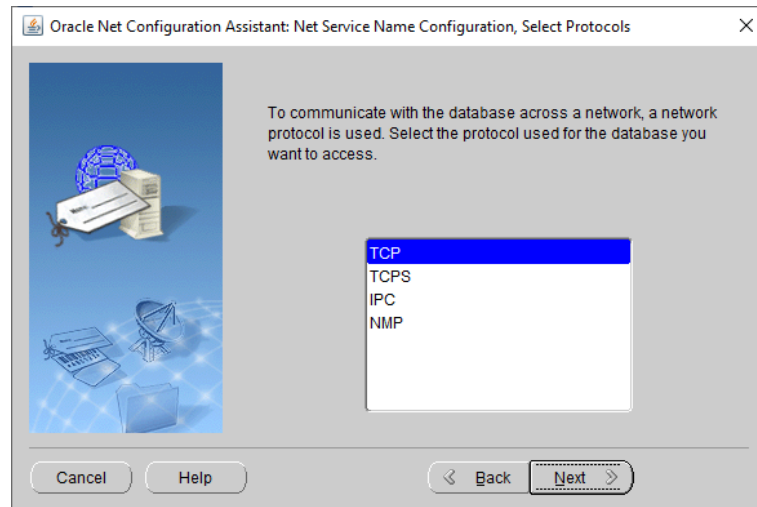
The screenshot shows the Oracle Net Configuration Assistant dialog box. The 'Name' field is set to 'SYS_HOMEDB1_BASIC'. The 'Database Type' is set to 'Oracle'. The 'User Info' tab is selected, showing 'Authentication Type' as 'Default', 'Username' as 'sys', 'Role' as 'SYSDBA', and 'Password' as masked. The 'Details' tab is also visible, showing 'Hostname' as 'localhost', 'Port' as '1521', and 'Service name' as 'HOMEDB1'. The 'Test' button is highlighted.

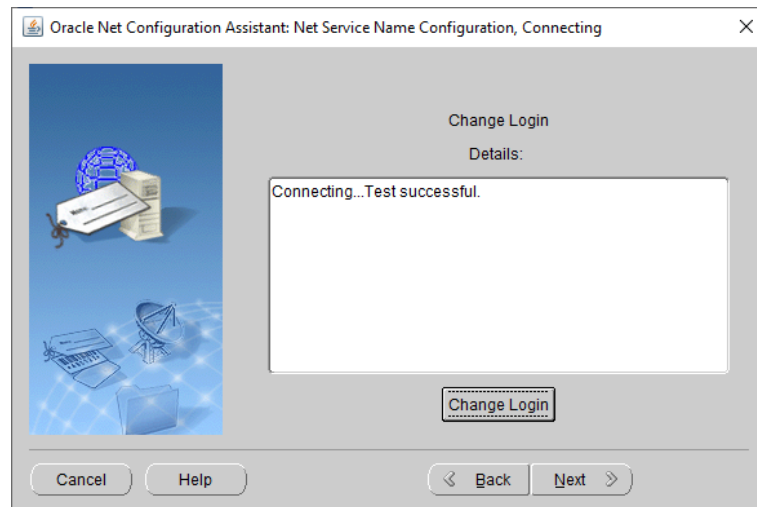
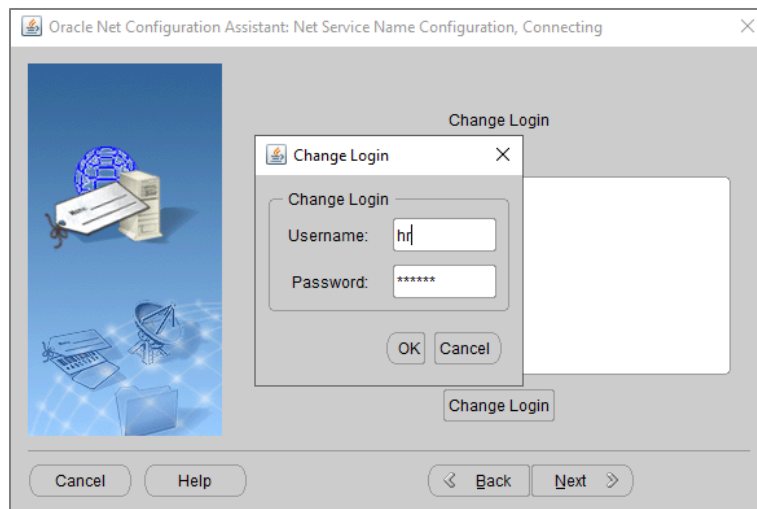
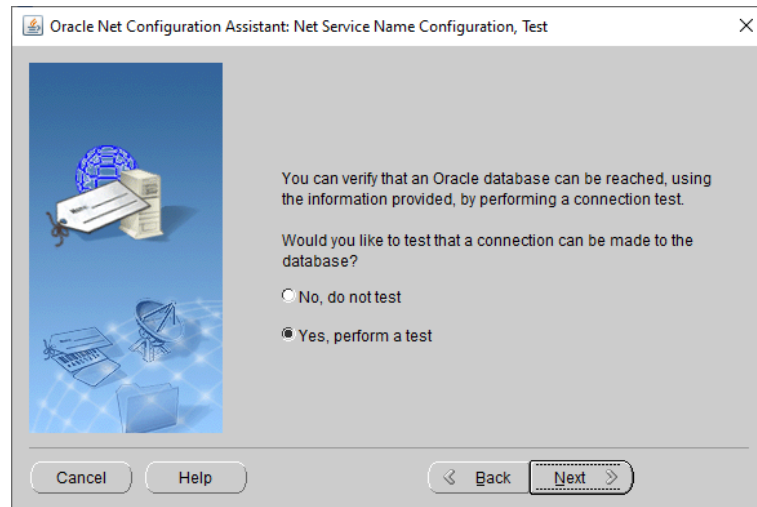
2. Definire Net Service Name alternativ

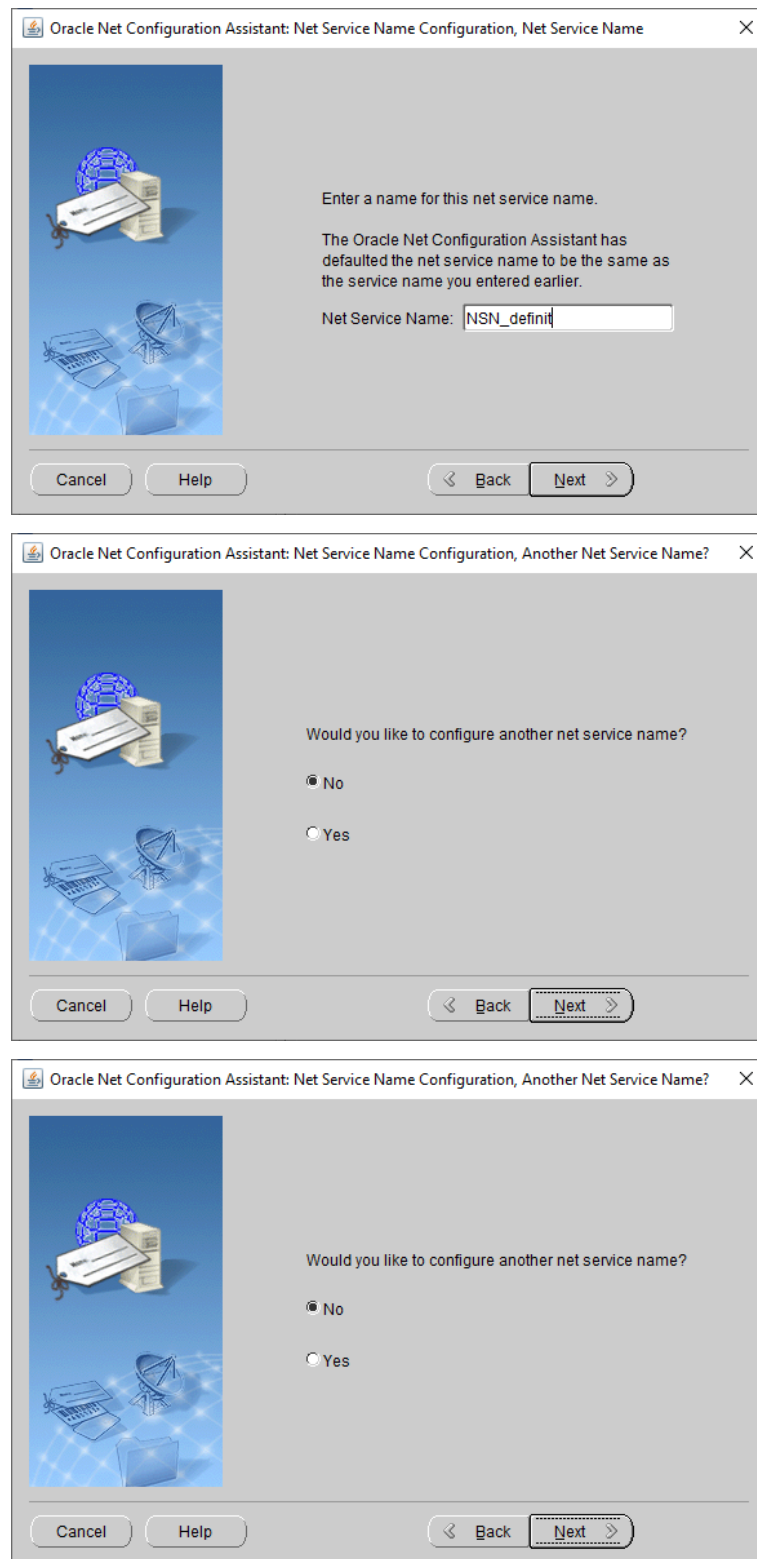
- a. Pentru testare trebuie să utilizați un user definit deja și parola setată pentru acesta.

De exemplu, puteți folosi user-ul *HR* cu parola *oracle*





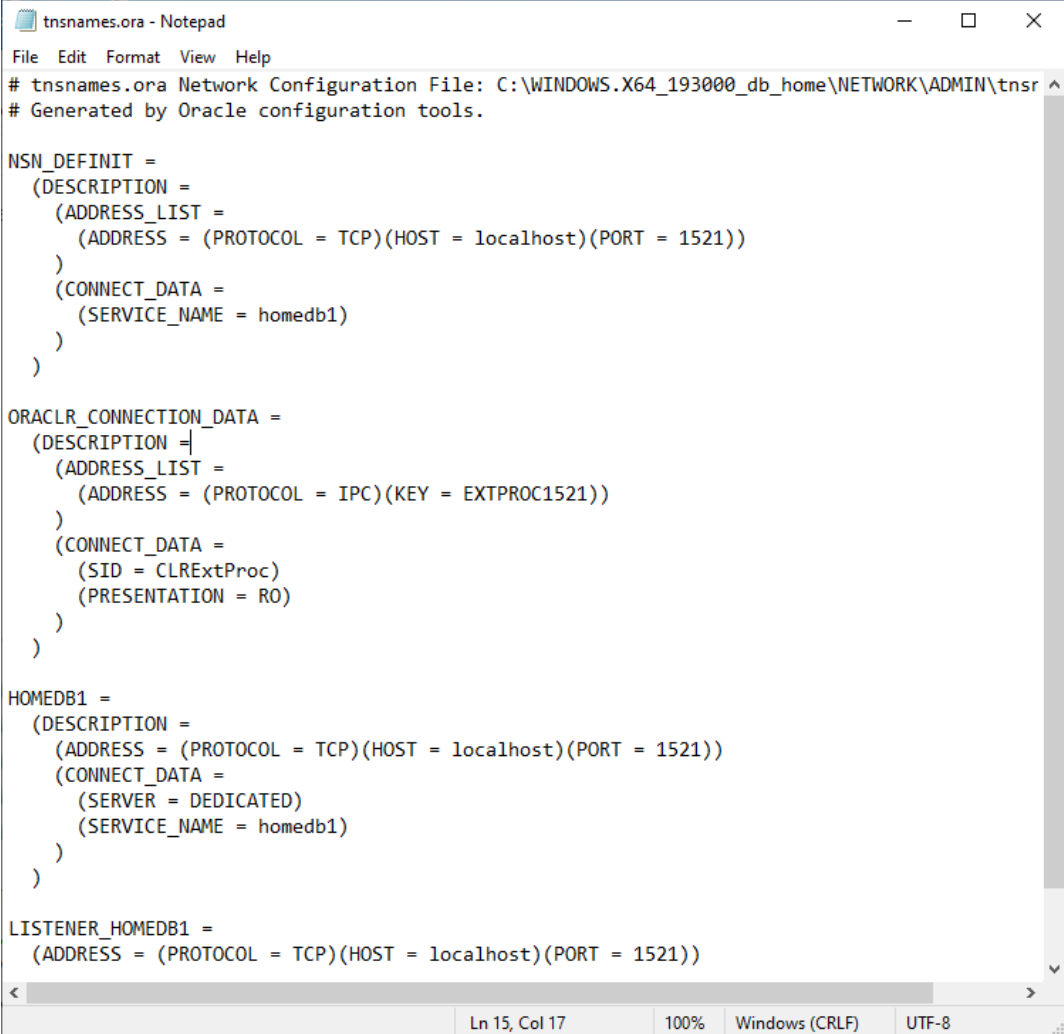




- b. În fișierul de configurare *tnsnames.ora* vor apărea informații noi, conform setărilor realizate la pașii anteriori.

Observație: Se poate edita direct fișierul *tnsnames.ora*, fără a fi necesar să se folosească utilitarul *Net Configuration Assistant*.


```
NSN_DEFINIT =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP) (HOST = localhost)  
        (PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVICE_NAME = homedb1)  
    )  
  )
```



The screenshot shows a Notepad window titled "tnsnames.ora - Notepad". The menu bar includes File, Edit, Format, View, and Help. The text area contains the following content:

```
# tnsnames.ora Network Configuration File: C:\WINDOWS.X64_193000_db_home\NETWORK\ADMIN\tnsnr  
# Generated by Oracle configuration tools.  
  
NSN_DEFINIT =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVICE_NAME = homedb1)  
    )  
  )  
  
ORACLR_CONNECTION_DATA =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC1521))  
    )  
    (CONNECT_DATA =  
      (SID = CLRExtProc)  
      (PRESENTATION = RO)  
    )  
  )  
  
HOMEDB1 =  
  (DESCRIPTION =  
    (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))  
    (CONNECT_DATA =  
      (SERVER = DEDICATED)  
      (SERVICE_NAME = homedb1)  
    )  
  )  
  
LISTENER_HOMEDB1 =  
  (ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
```

The status bar at the bottom indicates "Ln 15, Col 17", "100%", "Windows (CRLF)", and "UTF-8".

- c. În SQL Developer puteți defini o nouă conexiune care va utiliza conexiune de tip TNS, iar pentru Network Alias NSN_definit

The image shows the Oracle Net Configuration Assistant (ONCA) dialog box. It is a window with a title bar and a close button (X) in the top right corner. The dialog is divided into several sections:

- Name:** A text field containing "SYS_HOMEDB1_nsn". To its right is a "Color" button with a small icon.
- Database Type:** A dropdown menu set to "Oracle".
- User Info:** A tabbed section with "Proxy User" selected. It contains:
 - Authentication Type:** A dropdown menu set to "Default".
 - Username:** A text field containing "sys".
 - Role:** A dropdown menu set to "SYSDBA".
 - Password:** A text field containing "*****".
 - Save Password:** A checked checkbox.
- Connection Type:** A dropdown menu set to "TNS".
- Details:** A tabbed section with "Advanced" selected. It contains:
 - Network Alias:** A radio button that is selected, followed by a dropdown menu showing "NSN_DEFINIT".
 - Connect Identifier:** A radio button that is not selected, followed by an empty text field.

At the bottom of the dialog are five buttons: "Save", "Clear", "Test", "Connect", and "Cancel".