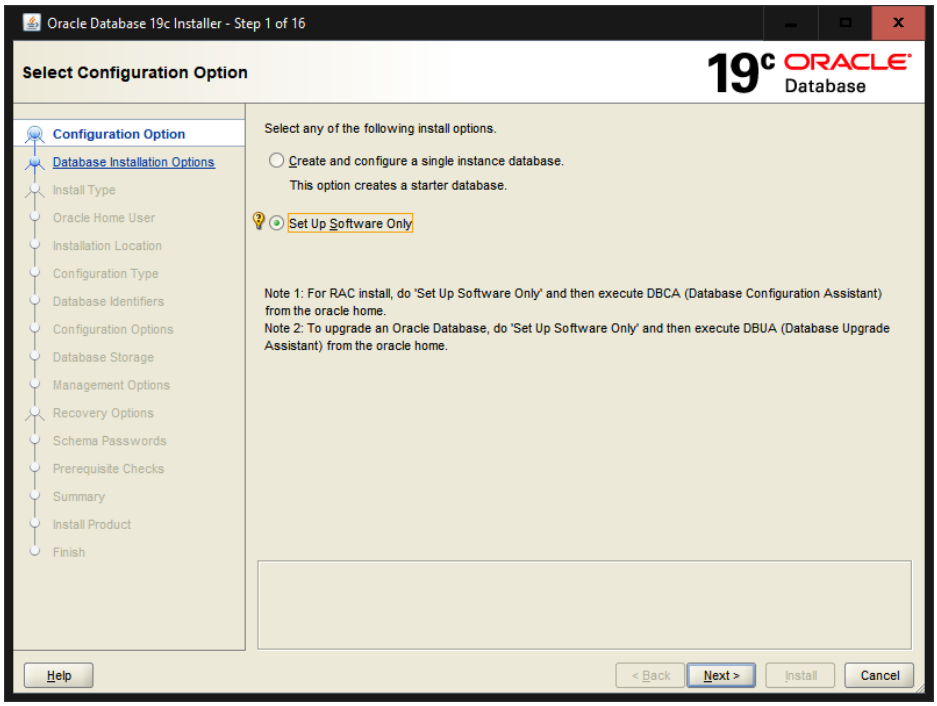
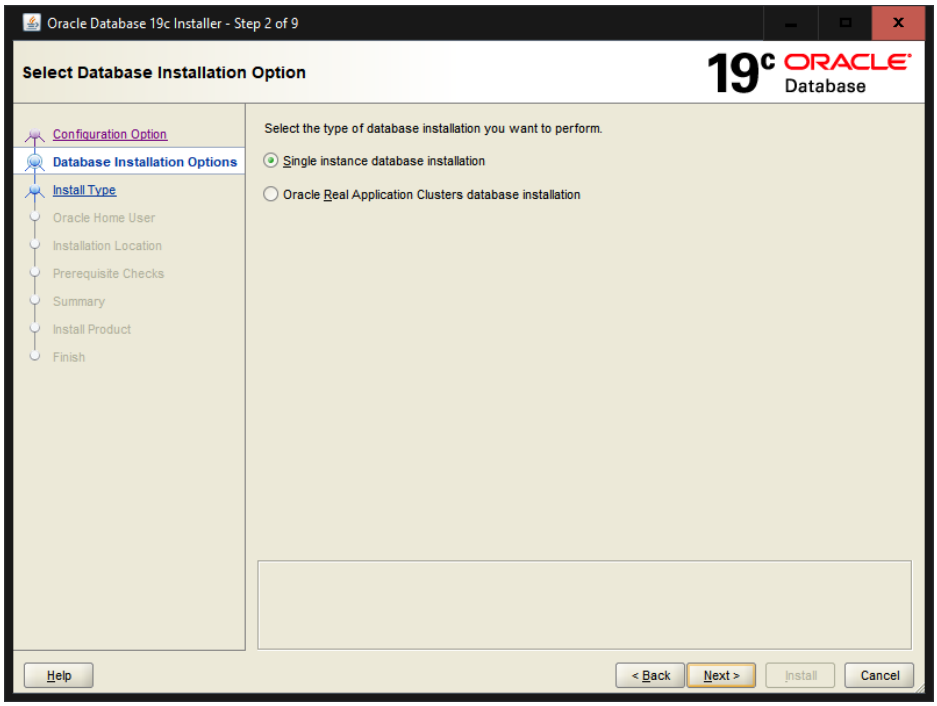
INSTRUCTIUNI instalare **Oracle** Server/Client + **Server/client WME**:

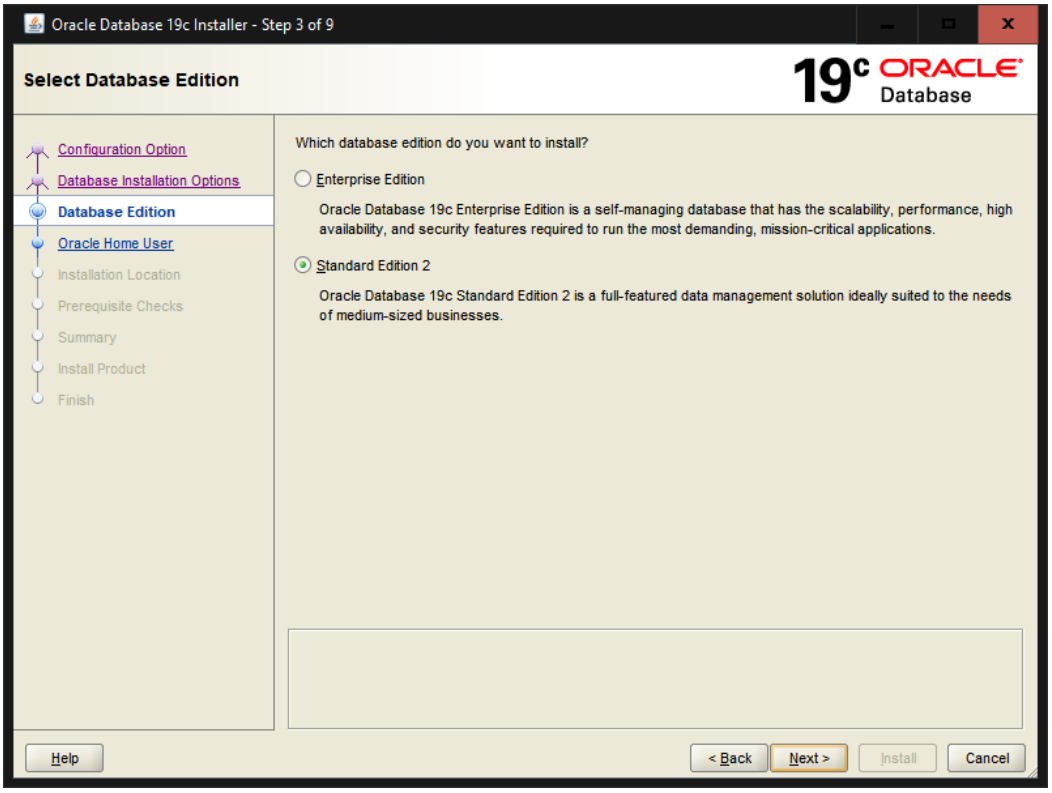
1. Instalare Oracle Server:

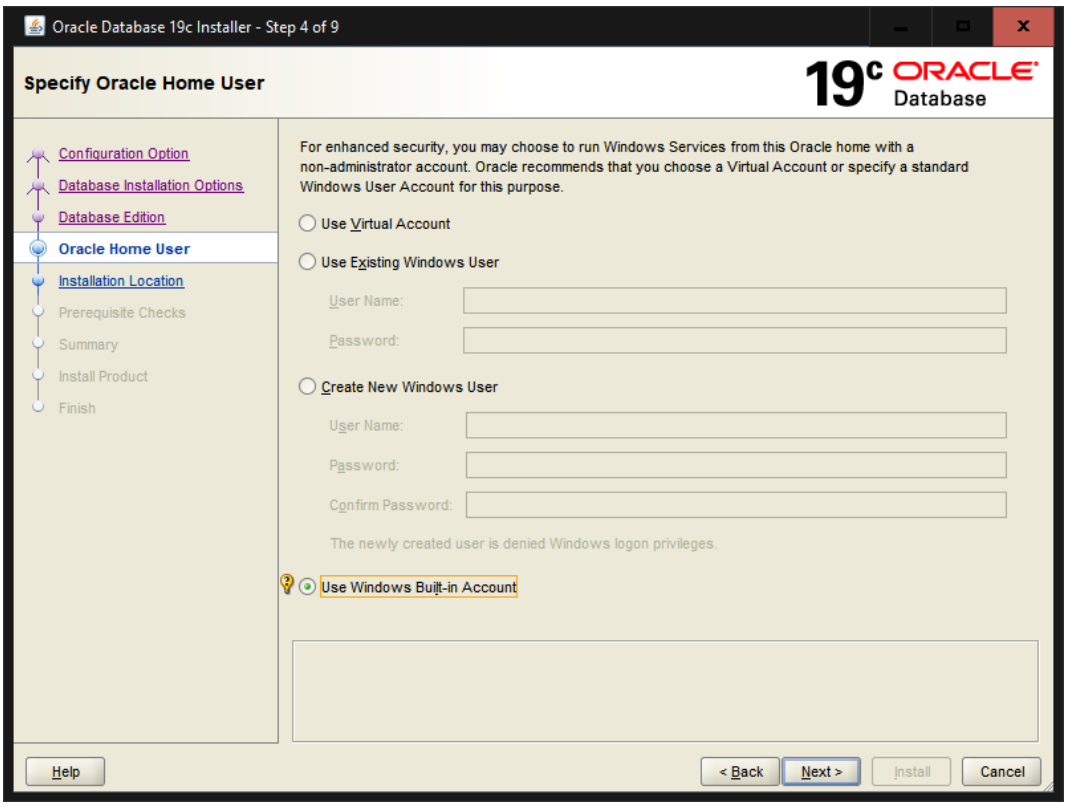
Se dezarhiveaza continutul arhivei cu kitul Oracle 19: *WINDOWS.X64_193000_db_home.zip* intr-un subdirector din dir. creat anterior *OraApp*: d:*OraApp***Ora_home**\ unde se va instala si va rula Oracle.

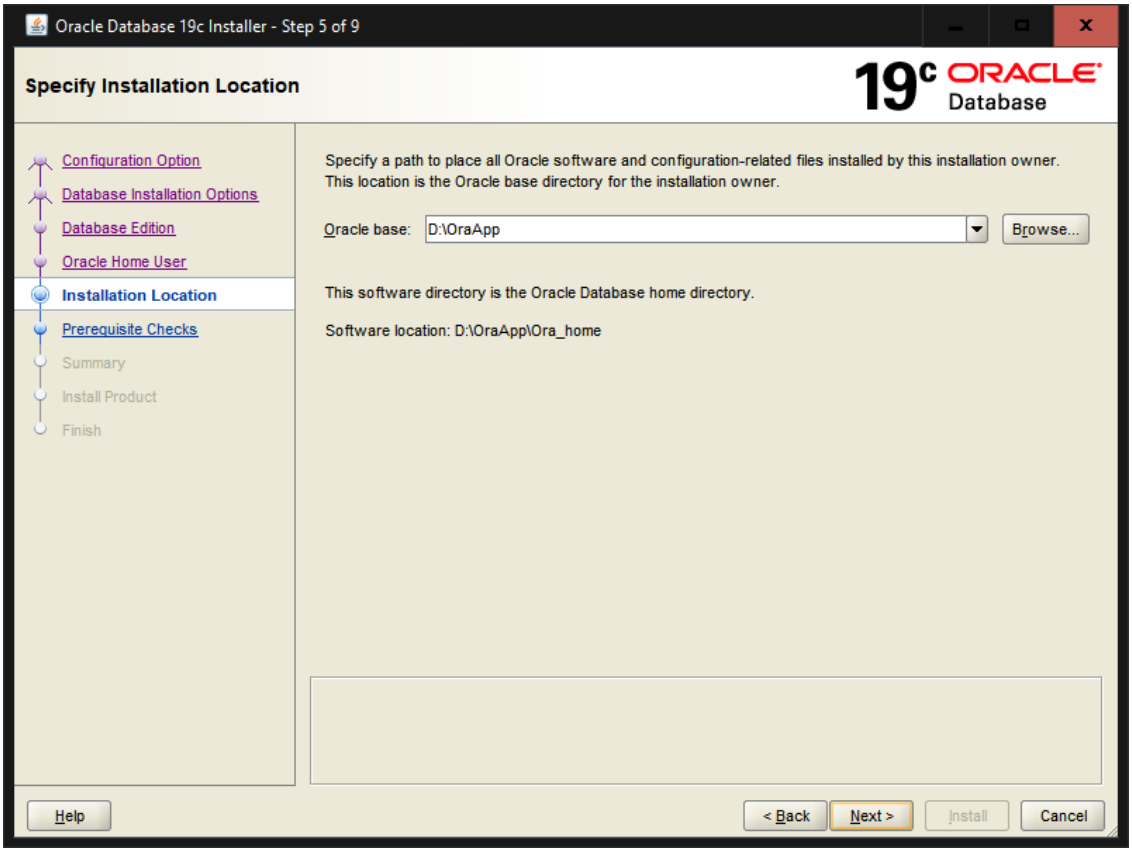
Se ruleaza executabilul **setup.exe** din d:*OraApp***Ora_home**\ cu drepturi de administrator (click dreapta run as administrator):

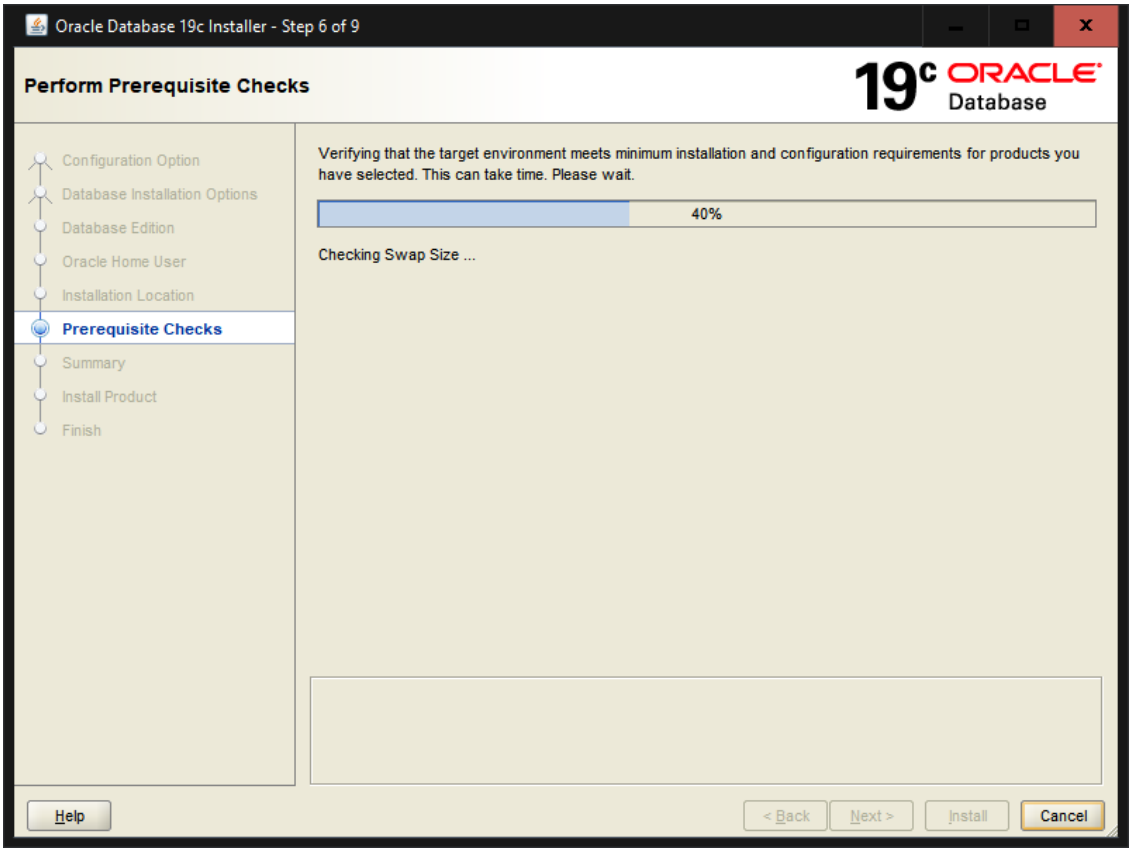


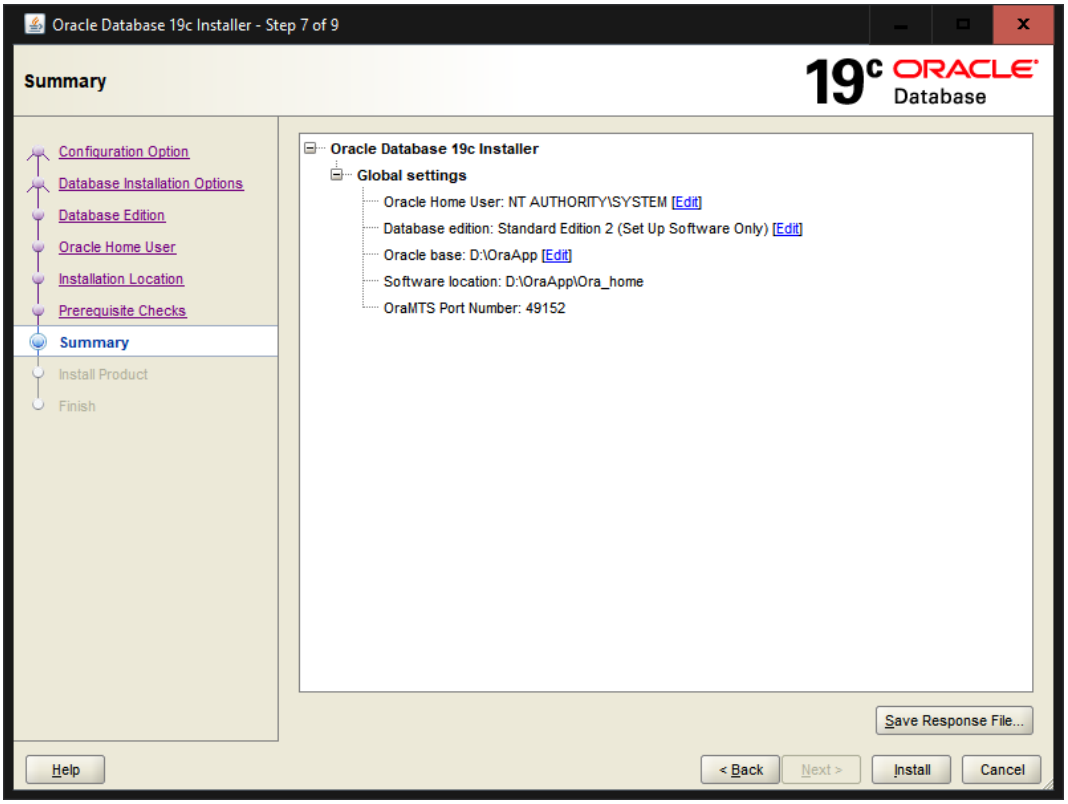


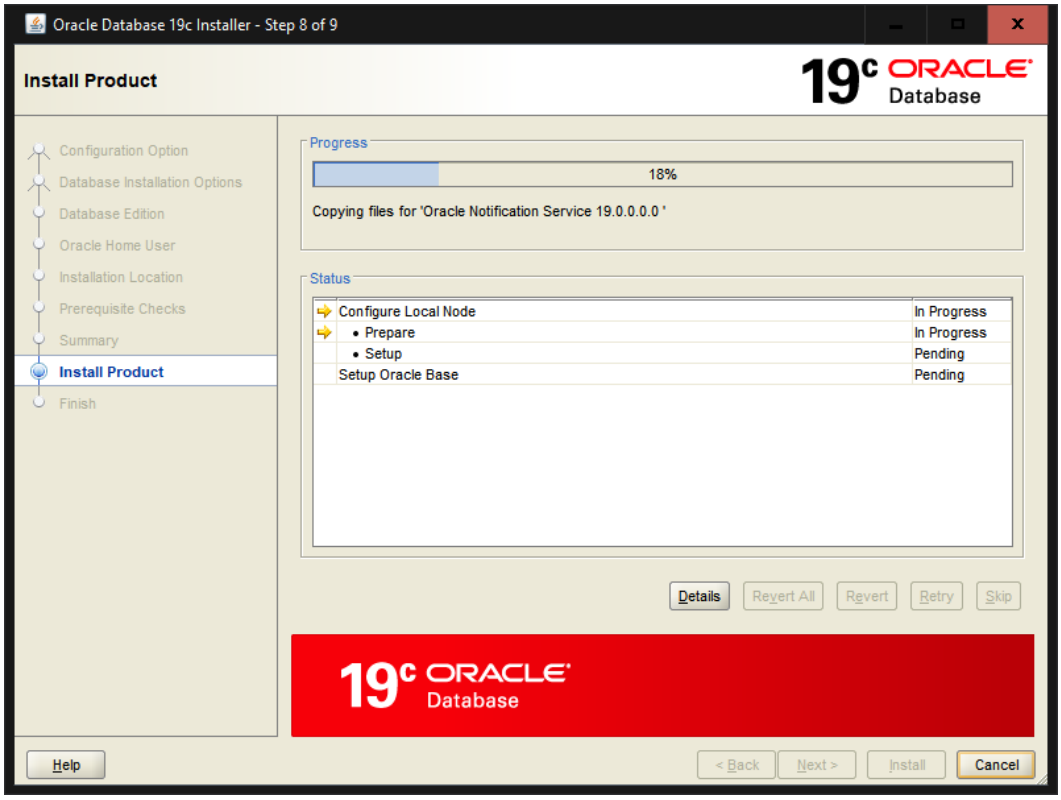

Oracle Database 19c Installer - Step 3 of 9
Select Database Edition
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
Which database edition do you want to install?
Enterprise Edition
Oracle Database 19c Enterprise Edition is a self-managing database that has the scalability, performance, high availability, and security features required to run the most demanding, mission-critical applications.
Standard Edition 2
Oracle Database 19c Standard Edition 2 is a full-featured data management solution ideally suited to the needs of medium-sized businesses.
Help
< Back
Next >
Install
Cancel


Oracle Database 19c Installer - Step 4 of 9
Specify Oracle Home User
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.
Use Virtual Account
Use Existing Windows User
User Name:
Password:
Create New Windows User
User Name:
Password:
Confirm Password:
The newly created user is denied Windows logon privileges.
Use Windows Built-in Account
Help
< Back
Next >
Install
Cancel


Oracle Database 19c Installer - Step 5 of 9
Specify Installation Location
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.
Oracle base: D:\OraApp
Browse...
This software directory is the Oracle Database home directory.
Software location: D:\OraApp\Ora_home
Help
< Back
Next >
Install
Cancel


Oracle Database 19c Installer - Step 6 of 9
Perform Prerequisite Checks
19c ORACLE Database
Configuration Option
Database Installation Options
Database Edition
Oracle Home User
Installation Location
Prerequisite Checks
Summary
Install Product
Finish
Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait.
40%
Checking Swap Size ...
Help
< Back
Next >
Install
Cancel

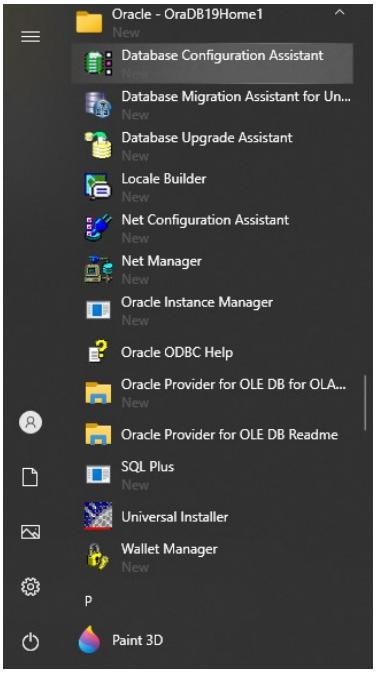


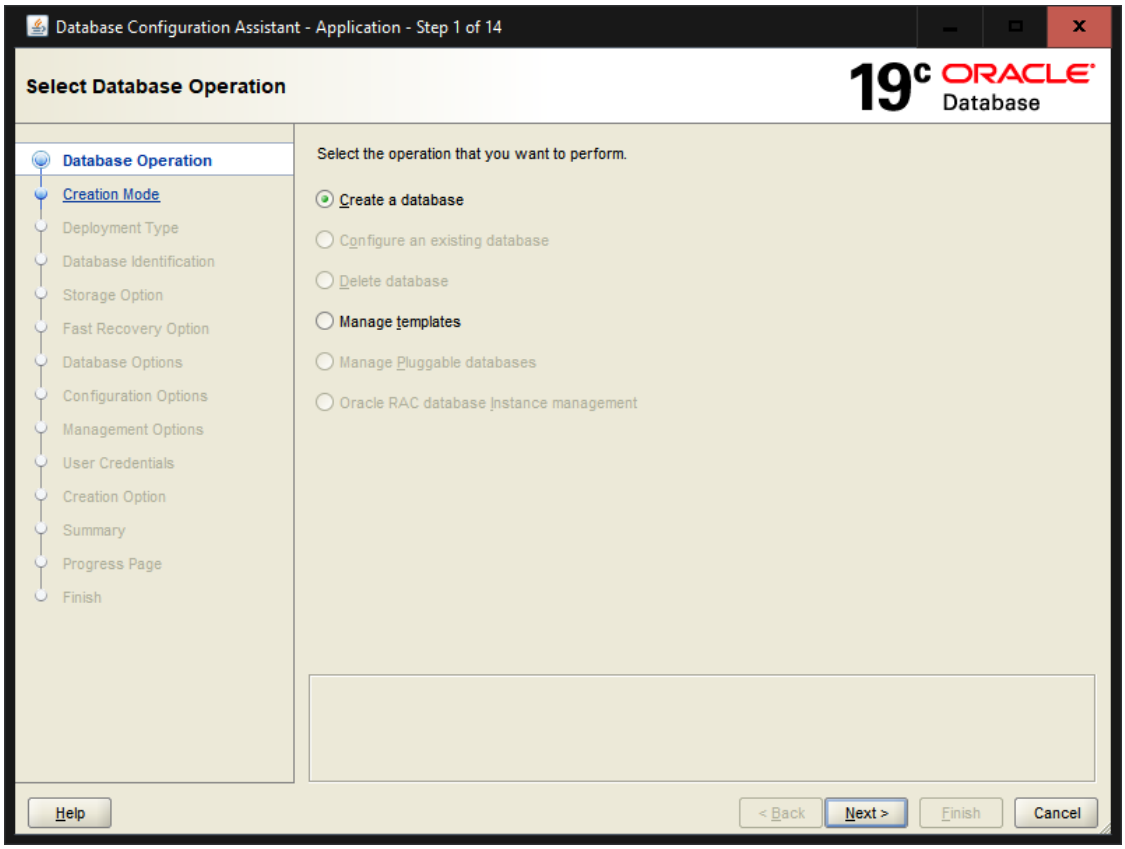


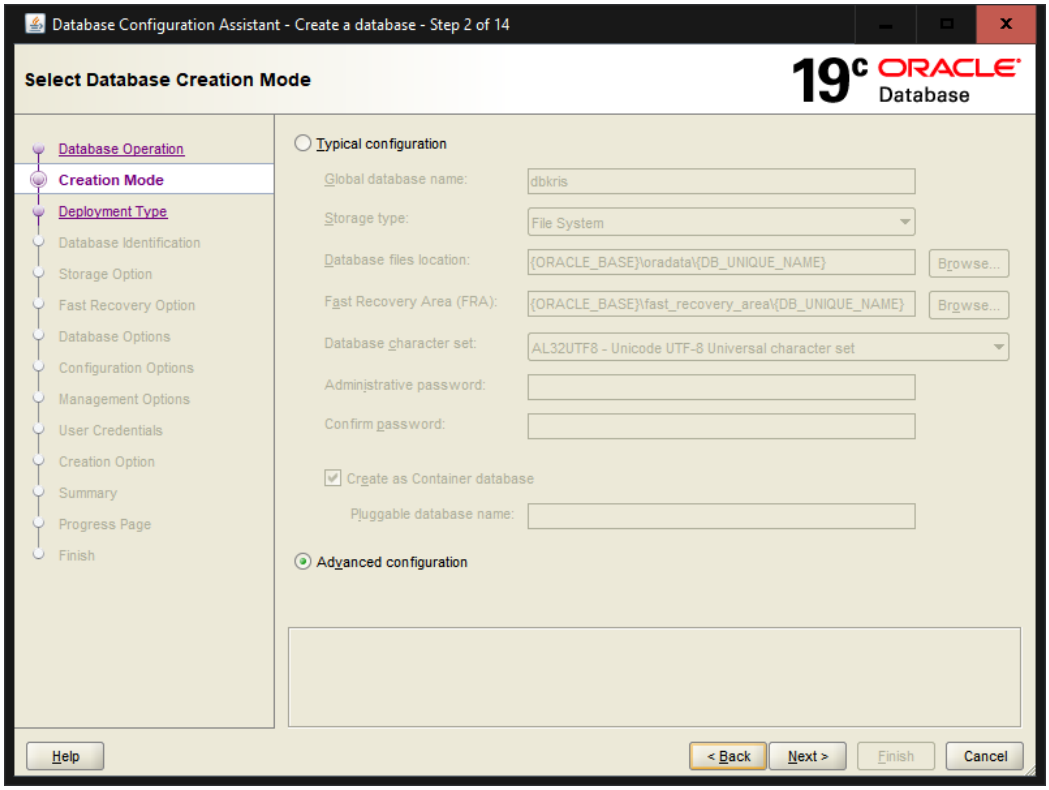
Se restarteaza serverul.

2. Creare baza de date

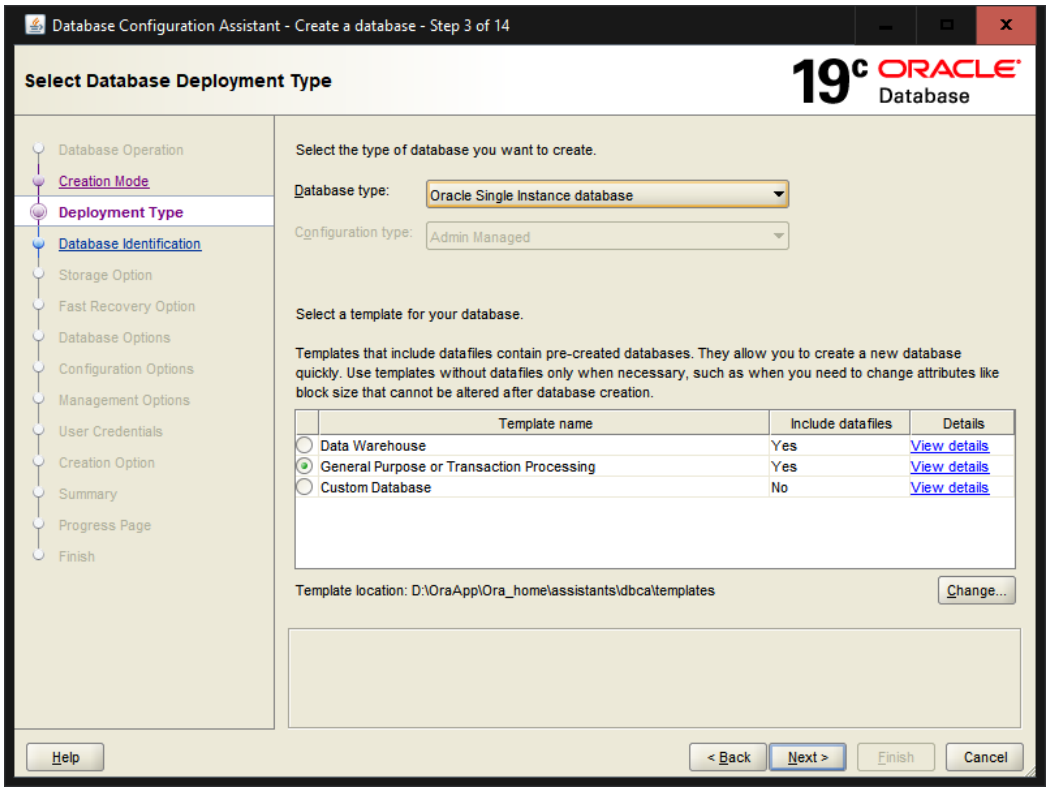
- din meniul de start, sub Oracle – OraDB19home1 folosim Database Configuration Assistent:



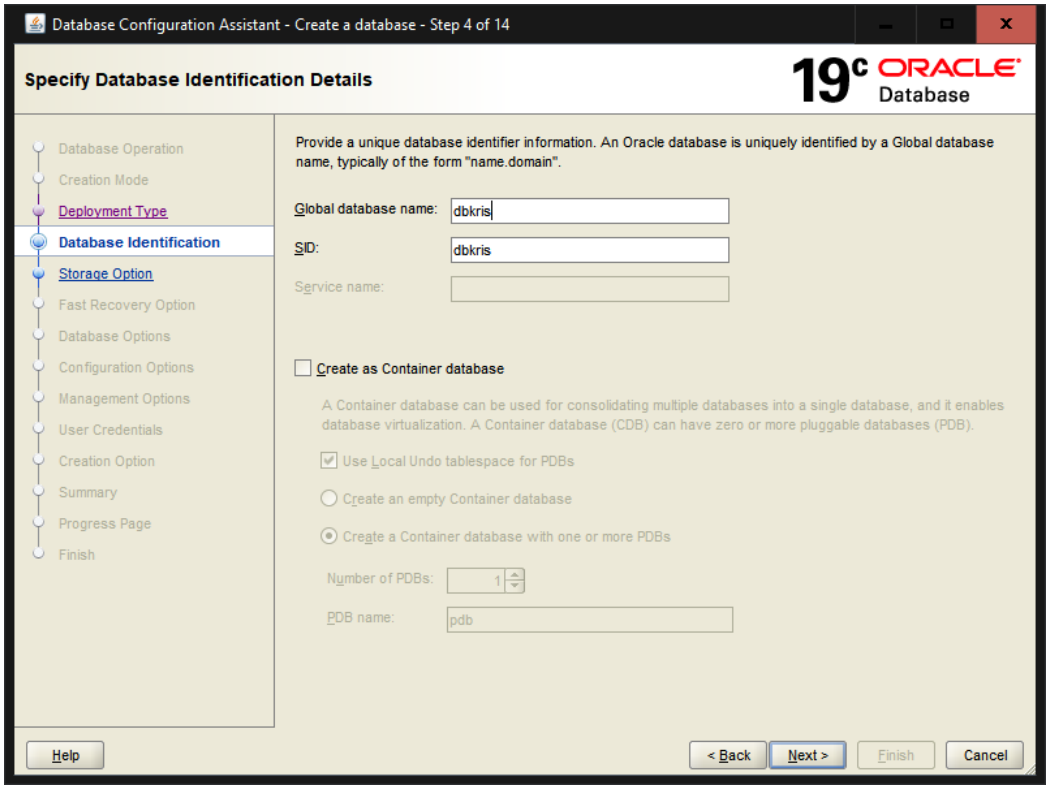




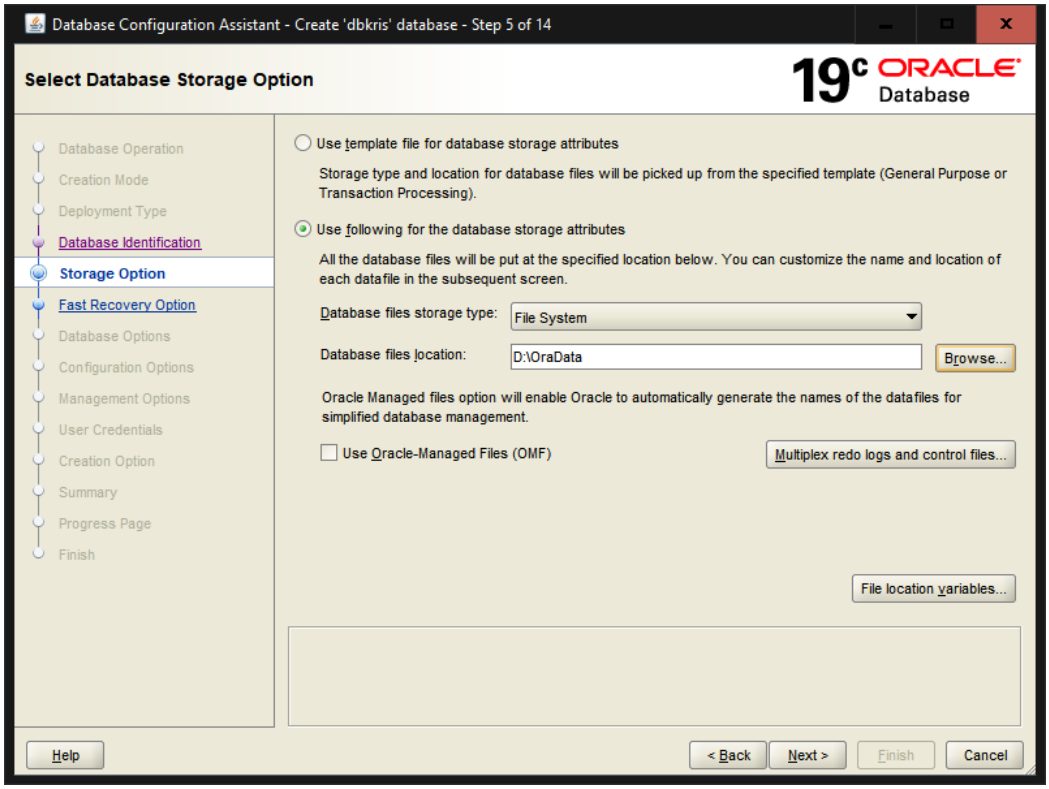
Alegem Advanced configuration.



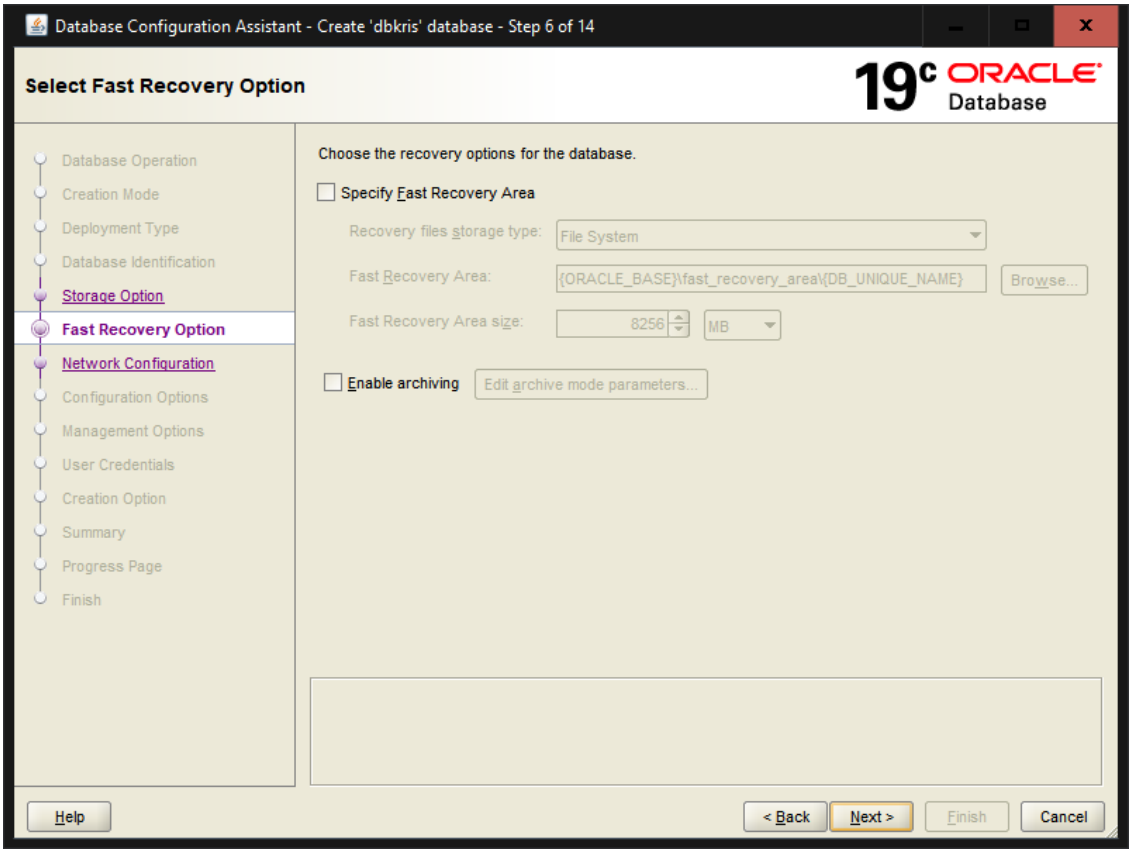
Alegem templete-ul: General Purpose or Transaction Processing.



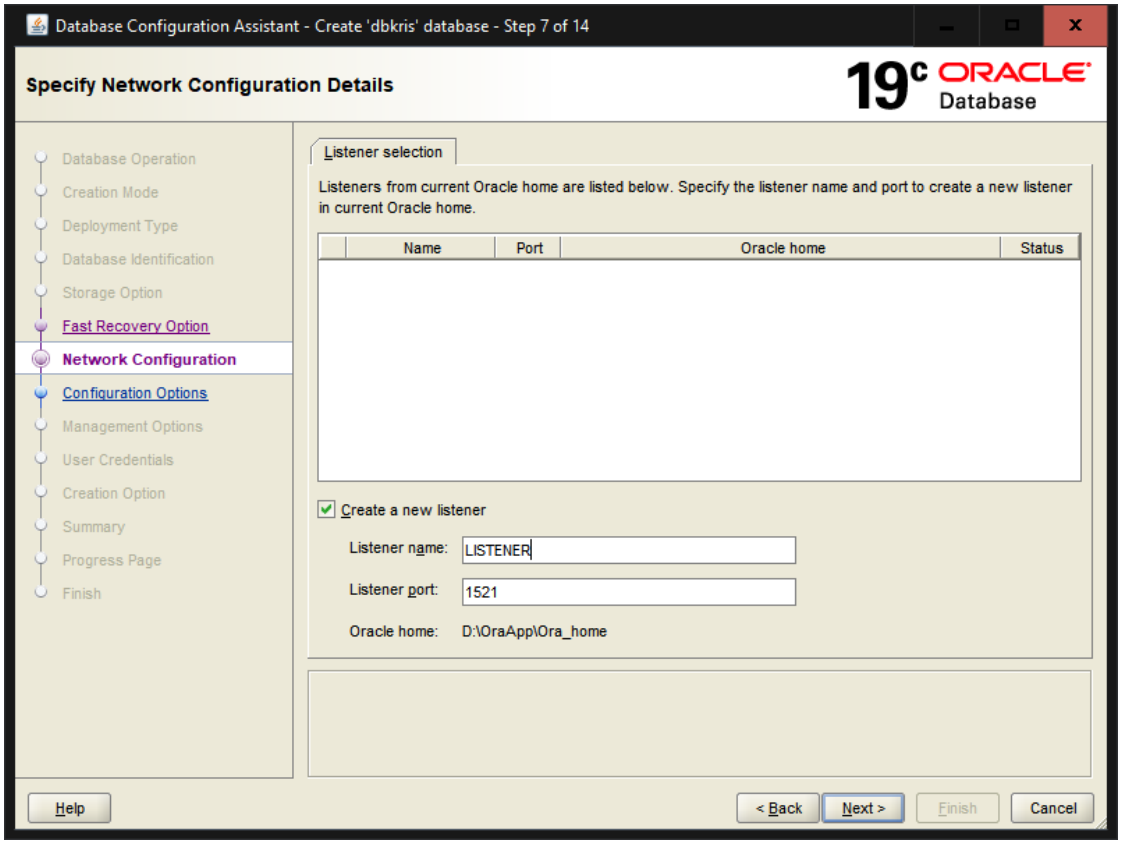
Se alege un nume pentru baza de date, *dbkris* in acest exemplu si se scoate bifa de la “Create as Container database”.

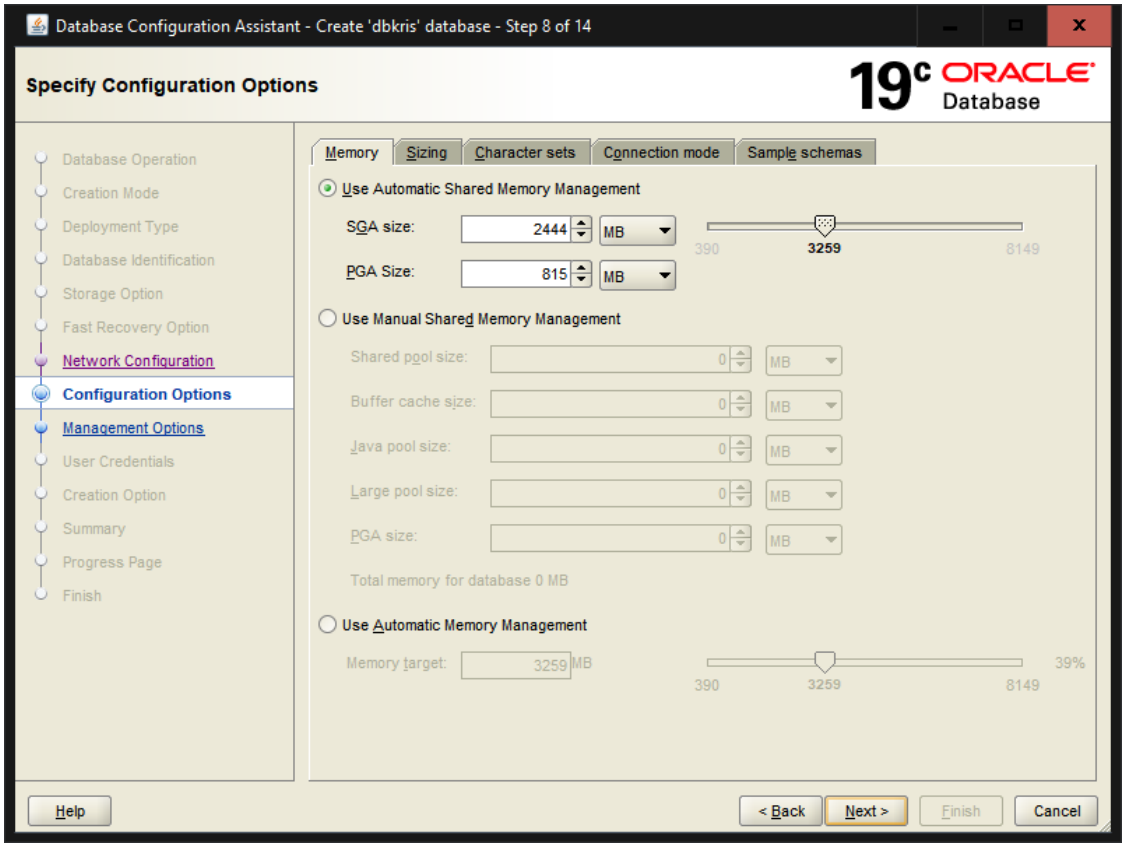


Se alege “Use following for the database storage attributes”, se va crea si alege dir. unde se va regasi baza de date: d:***OraData.***

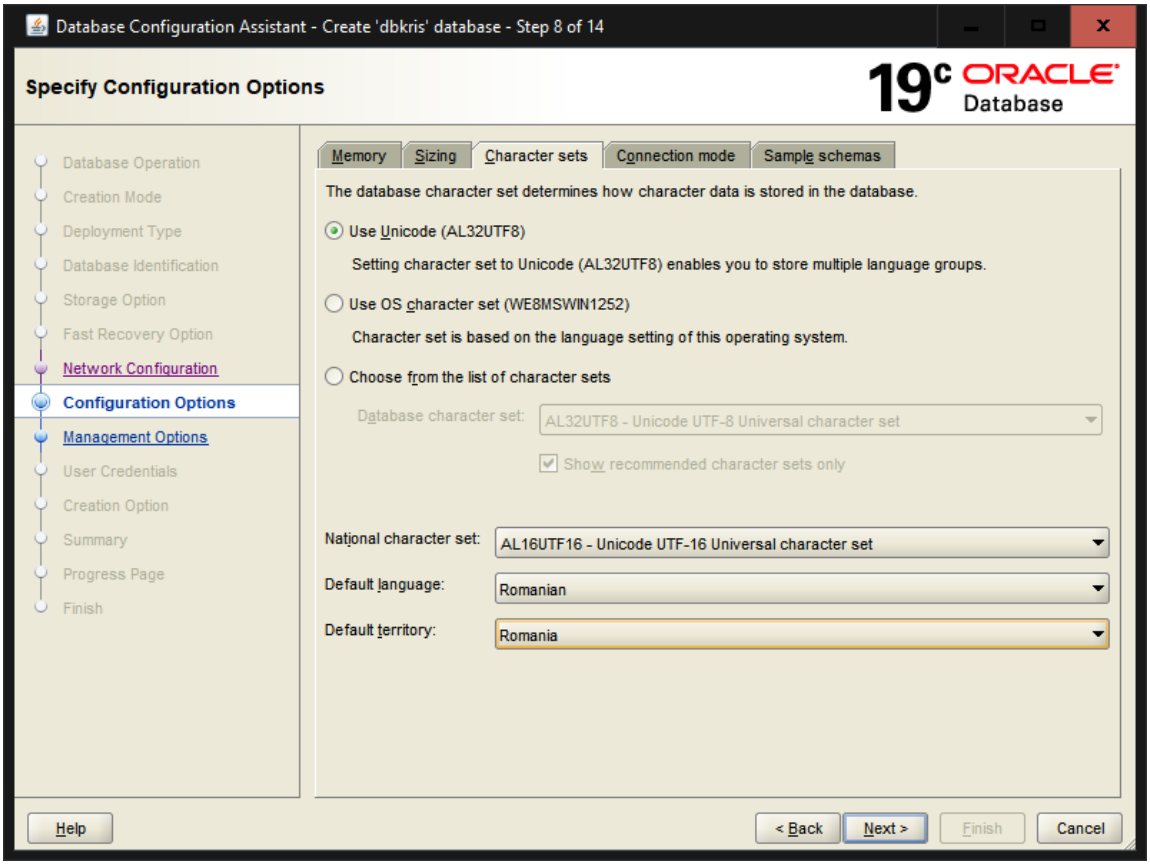


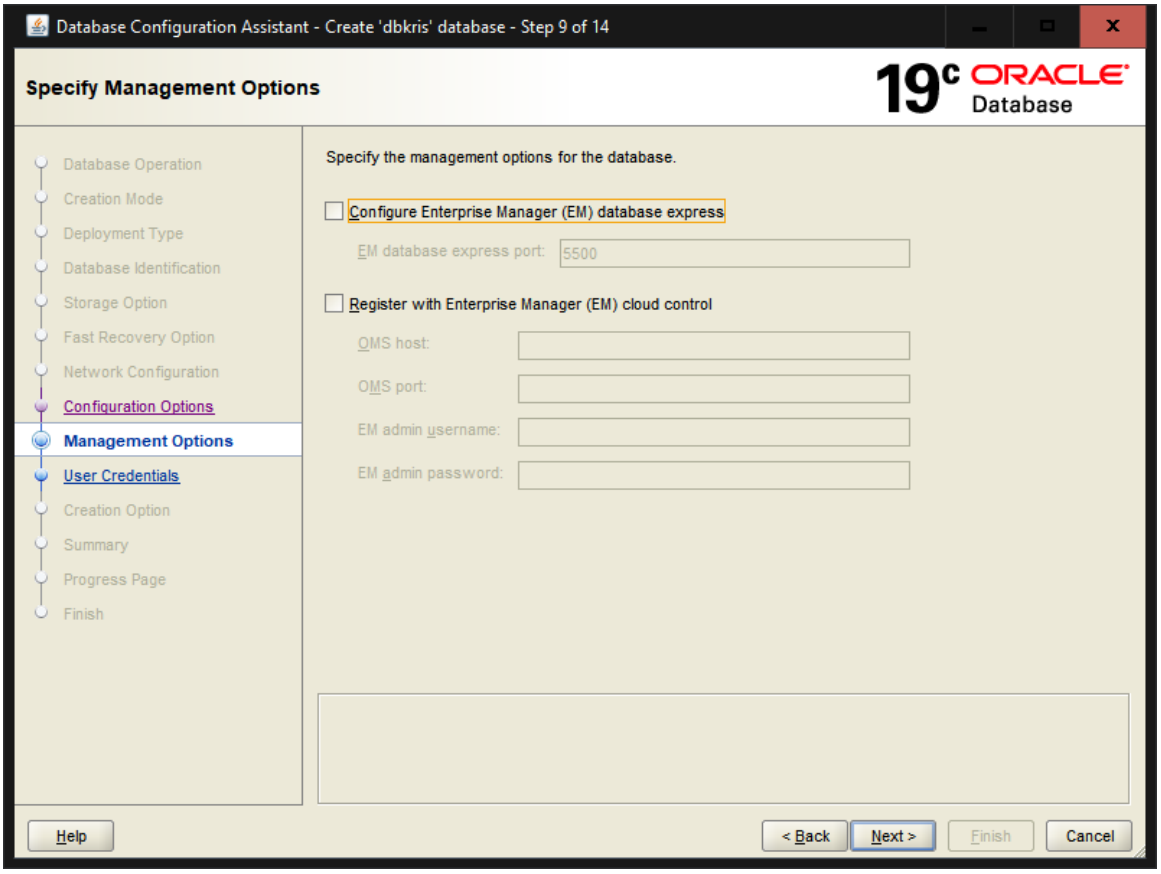
Recomandarea noastra este sa activati optiunea “Enable archiving” dar *cu mentiunea* ca asta presupune mentenanta regulata pentru a controla spatiul pe disc ocupat de arhivele stocate in decursul timpului.

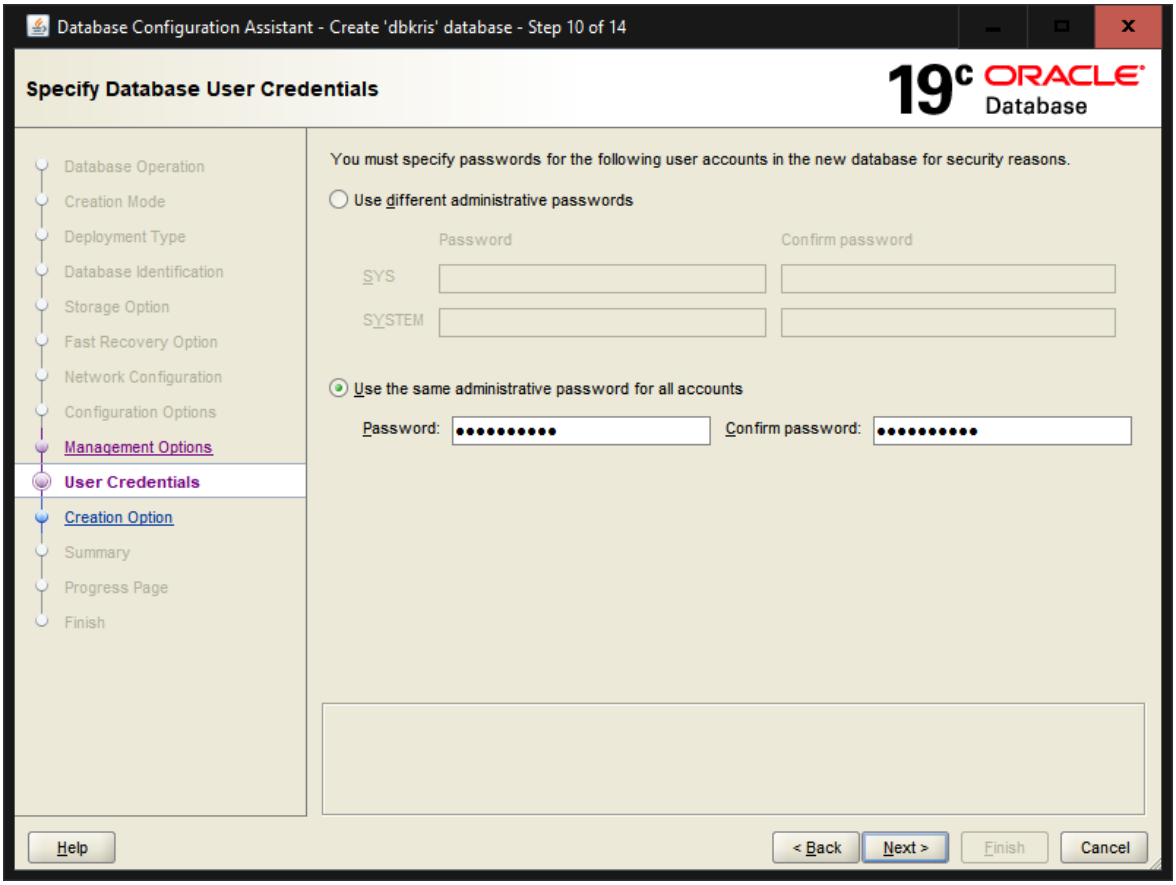




Daca aveti un server dedicat Oracle si doriti sa adaugati mai mult ram serverului de Oracle puteti sa trageti de butonul deasupra cifrei cu 3259 MB (care este limita maxima in cazul meu si este la 40% din total ram system) intre 60 si 80%, de ex: *(total ram/100)*60 sau *80*, in functie de cat ram ramane pentru sistemul de operare (ar trebuie sa ramana intre 2 si 4 GB alocat in functie de versiune de OS).

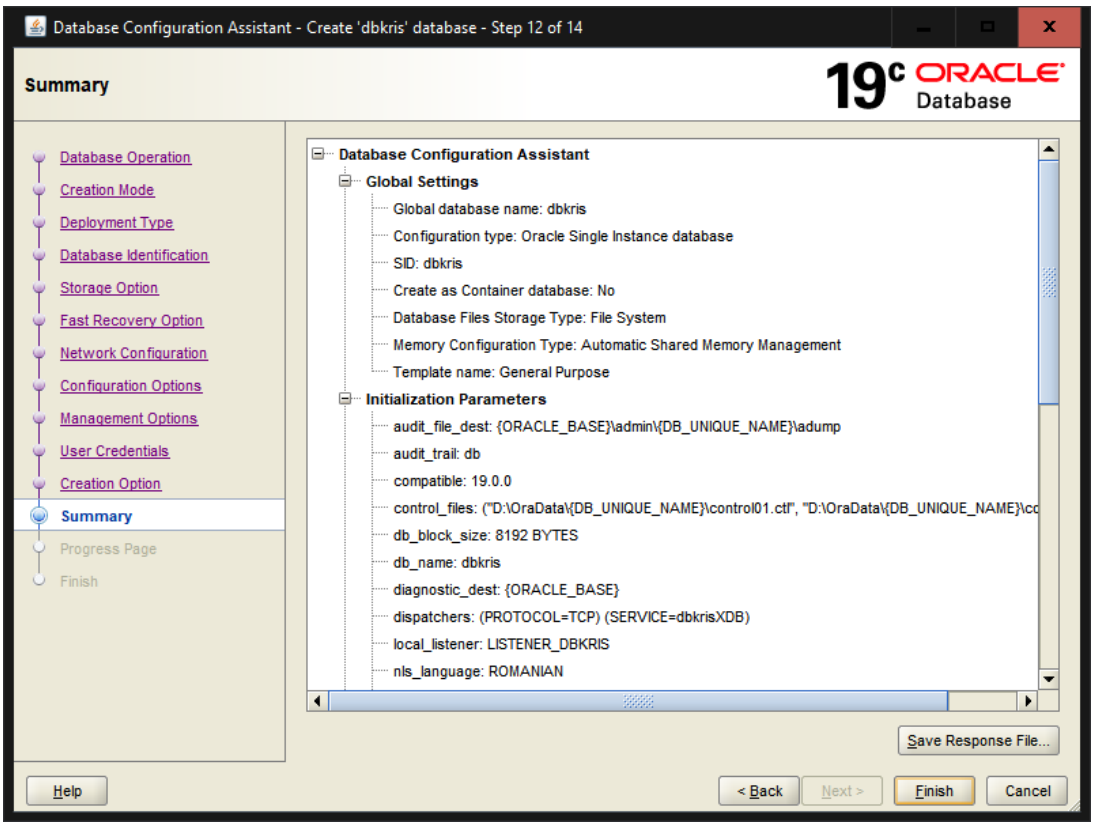


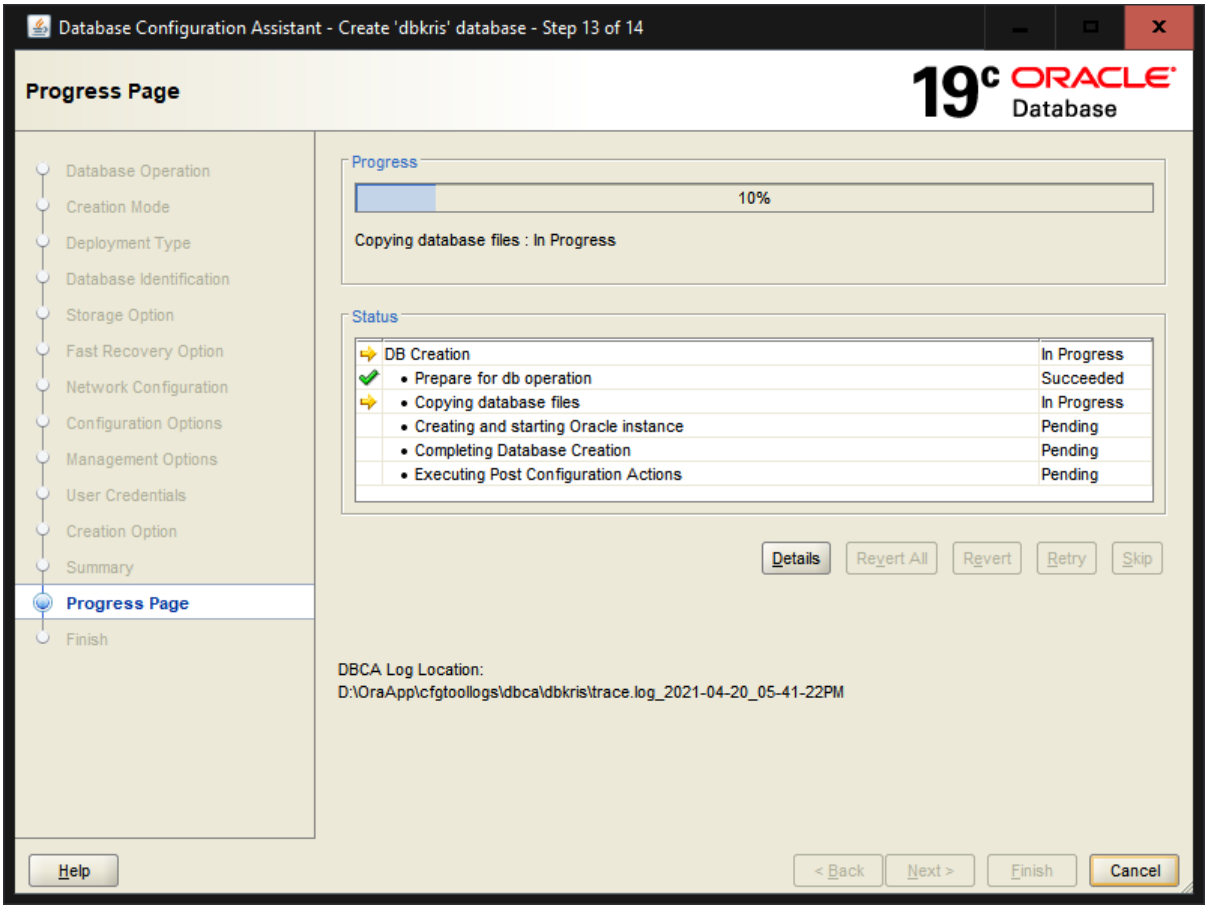




- se alege o parola pentru baza de date (trebuie sa includa 8 caractere alfanumerice: cel putin un caracter cu majuscula, unul cu minuscula si cel putin o cifra).

Database Configuration Assistant - Create 'dbkris' database - Step 11 of 14
Select Database Creation Option
19c ORACLE Database
Database Operation
Creation Mode
Deployment Type
Database Identification
Storage Option
Fast Recovery Option
Network Configuration
Configuration Options
Management Options
User Credentials
Creation Option
Summary
Progress Page
Finish
Select the database creation options.
Create database
Specify the SQL scripts you want to run after the database is created. The scripts are run in the order listed below.
Post DB creation scripts:
Browse...
Save as a database template
Template name:
dbca_template_2021-04-20_05-41-22PM
Template location:
D:\OraApp\Ora_home\assistants\dbca\templates\
Browse...
Description:
Generate database creation scripts
Destination directory:
{ORACLE_BASE}\admin\{DB_UNIQUE_NAME}\scripts
Browse...
Following advanced configuration options can be used to configure initialization parameters and customize database storage locations.
All Initialization Parameters...
Customize Storage Locations...
Help
< Back
Next >
Finish
Cancel


Database Configuration Assistant - Create 'dbkris' database - Step 12 of 14
Summary
19c ORACLE Database
Database Operation
Creation Mode
Deployment Type
Database Identification
Storage Option
Fast Recovery Option
Network Configuration
Configuration Options
Management Options
User Credentials
Creation Option
Summary
Progress Page
Finish
Database Configuration Assistant
Global Settings
Global database name: dbkris
Configuration type: Oracle Single Instance database
SID: dbkris
Create as Container database: No
Database Files Storage Type: File System
Memory Configuration Type: Automatic Shared Memory Management
Template name: General Purpose
Initialization Parameters
audit_file_dest: {ORACLE_BASE}\admin\{DB_UNIQUE_NAME}\adump
audit_trail: db
compatible: 19.0.0
control_files: ("D:\OraData\{DB_UNIQUE_NAME}\control01.ctl", "D:\OraData\{DB_UNIQUE_NAME}\co
db_block_size: 8192 BYTES
db_name: dbkris
diagnostic_dest: {ORACLE_BASE}
dispatchers: (PROTOCOL=TCP) (SERVICE=dbkrisXDB)
local_listener: LISTENER_DBKRIS
nls_language: ROMANIAN
Save Response File...
Help
< Back
Next >
Finish
Cancel



Instalarea de server vine implicit si cu instalarea de client la pachet, deci pe server nu mai este nevoie de instalare de client, exceptie facand cazul in care ati instalat OracleServer64b si doriti sa folositi si un client de 32b pe langa cel de 64b deja instalat.

Dupa ce s-a terminat operatiunea de creare a bazei de date este recomandat inca un restart system.

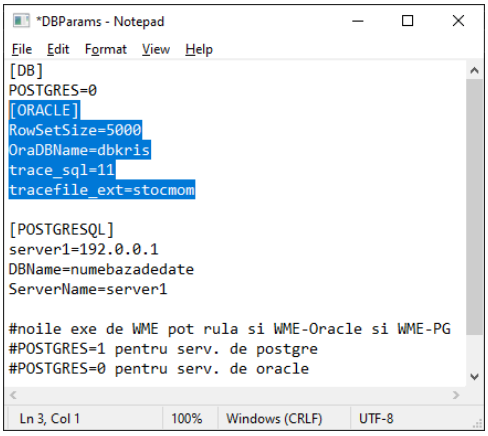
Nota:

Este recomandat sa deschideti in firewall portul sub care ati instalat baza de date Oracle, default este 1521, de asemenea s-au intalnit cazuri in care a fost nevoie si de executabilul oracle.exe sa fie adaugat in whitelist in firewall (d:\OraApp\Ora_Home\bin\oracle.exe in exemplul meu).

2. Instalare WME Server:

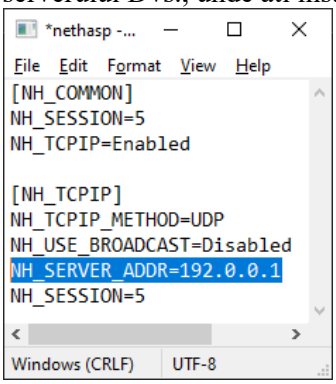
Urmeaza sa va configurati serverul de WME pe serverul de Oracle:

- creati un dir. WME de preferat de asemenea pe o partitie diferita de C. ex.: d:\WME
- configurati *dbparams.ini*, in cazul meu:

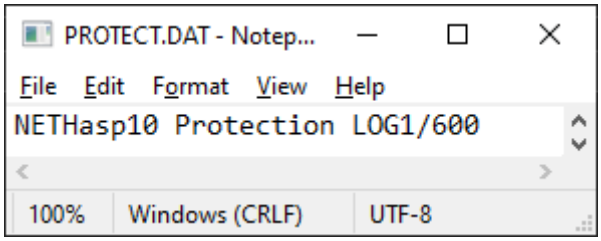


- instalati driverul de cheie de protectie (http://ftp.winmentor.ro/WMEnterprise/Tools/hasp/)

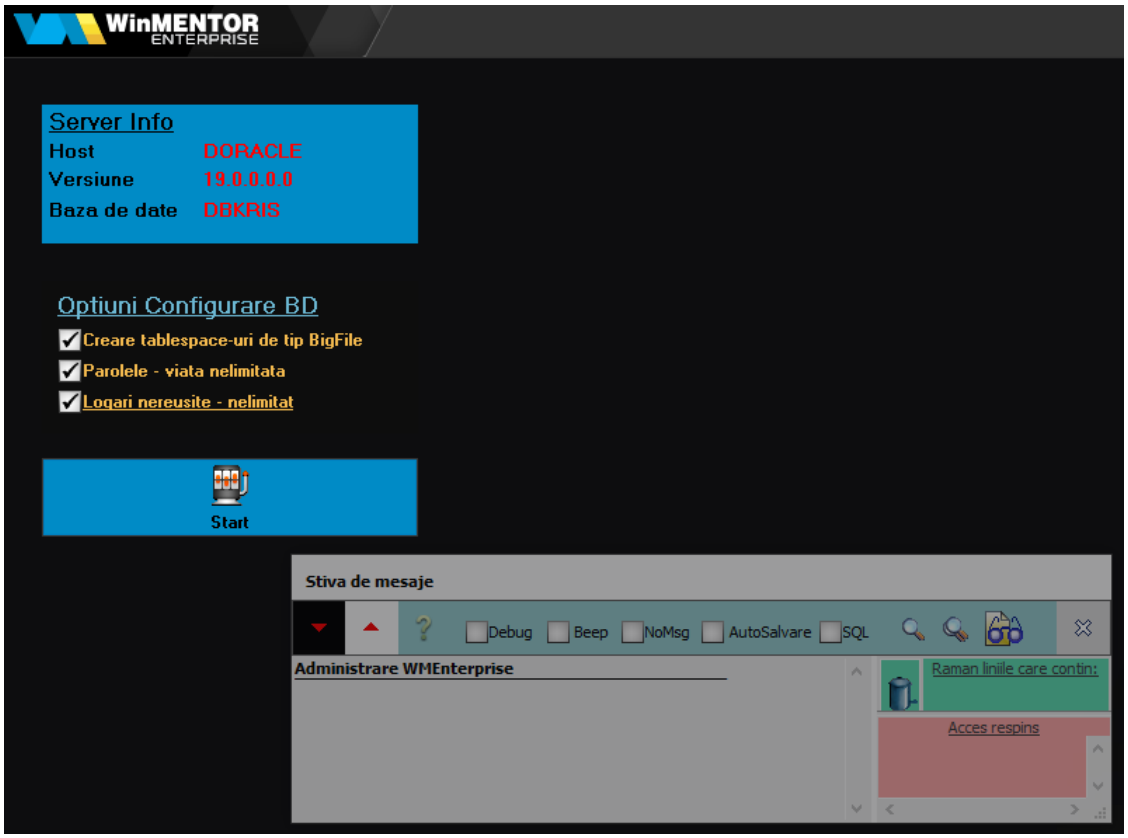
- configurati *nethasp.ini* cu adresa IP a serverului Dvs., unde ati instalat driverul si cheia de protectie.



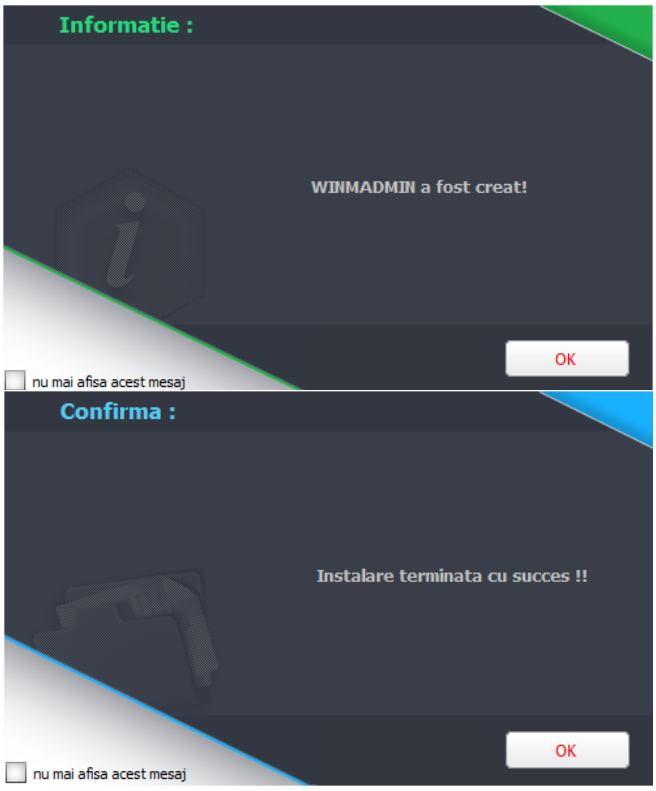
- verificati ca in fisierul *PROTECT.DAT* sa aveti tipul de cheie de protectie pentru care ati optat



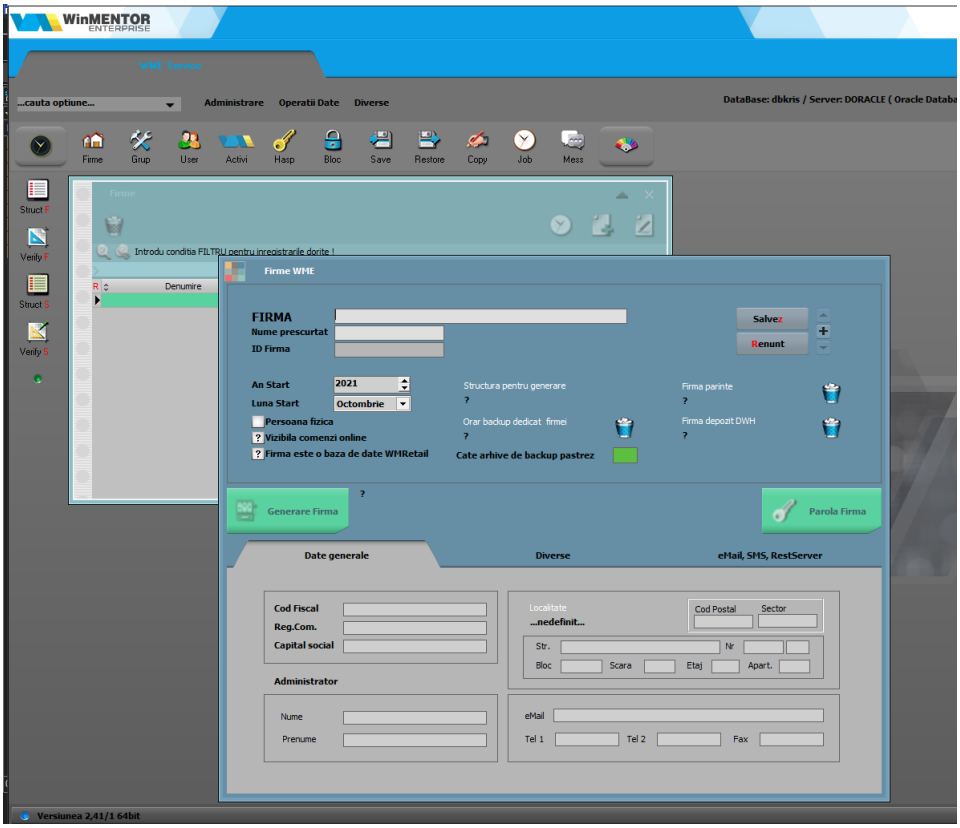
- copiati toate executabilele necesare WinMService.exe, WMEnterprise.exe si Martor.ZIP, SERVICE.ZIP
- rulati WMInstaller.exe si bifati toate 3 optiuni configurare BD, start:



- s-a creat userul cu care veti lucra pentru administrarea bazei de date, username WinMAdmin si password default: 1



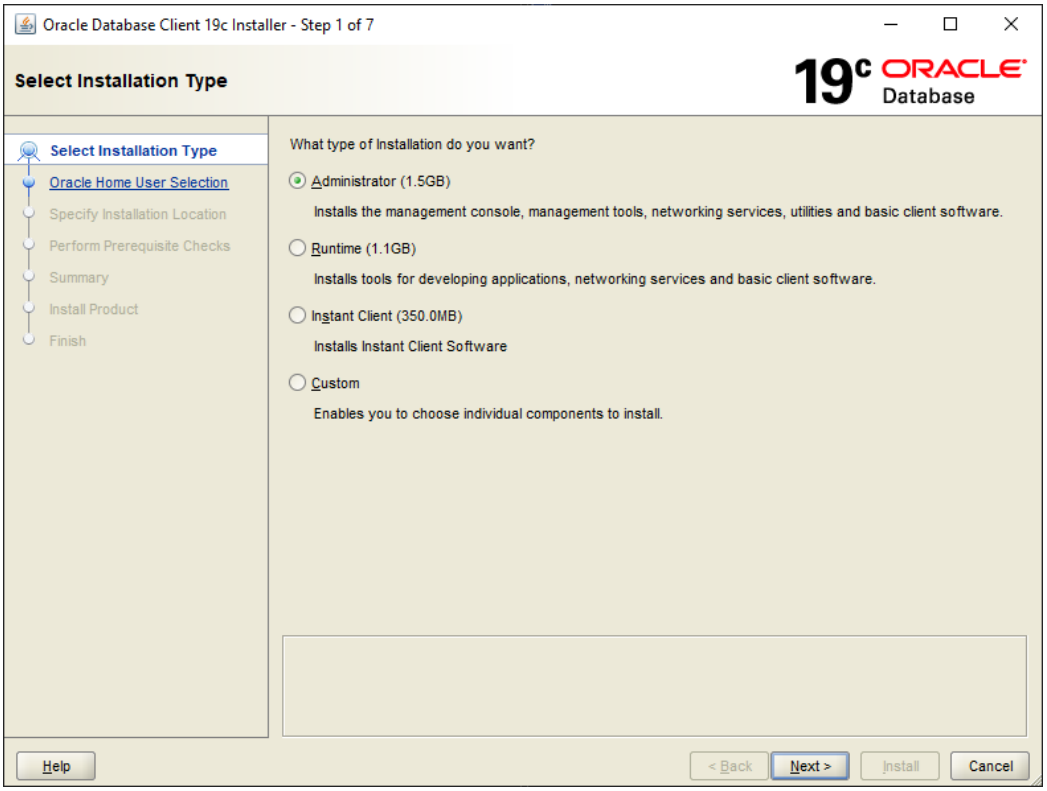
Folosim WinMService.exe pentru configurarea firmelor, userilor, grupurilor de useri si drepturile aferente fiecarei firme in parte.

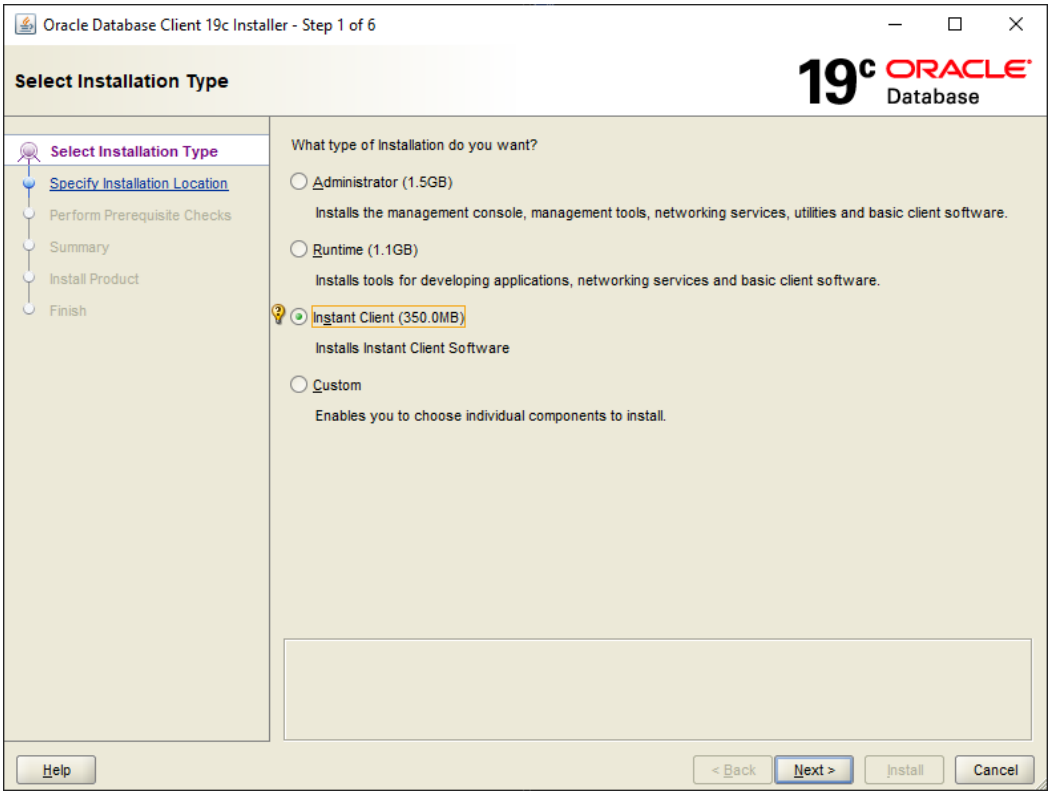


Dupa ce finalizam aceste operatiuni putem sa trecem la statiile-clienti de WME unde in prima faza vom instala clientul de Oracle.

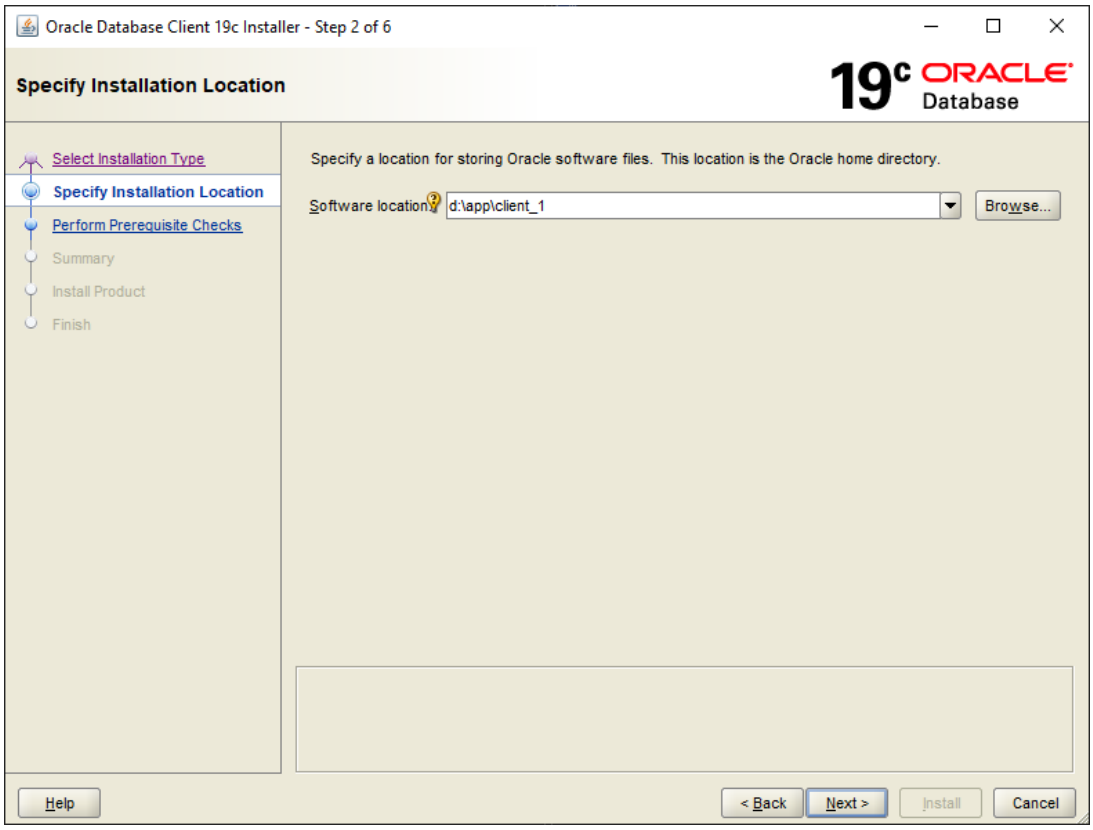
3. Instalare Oracle client si client WME pe statii:

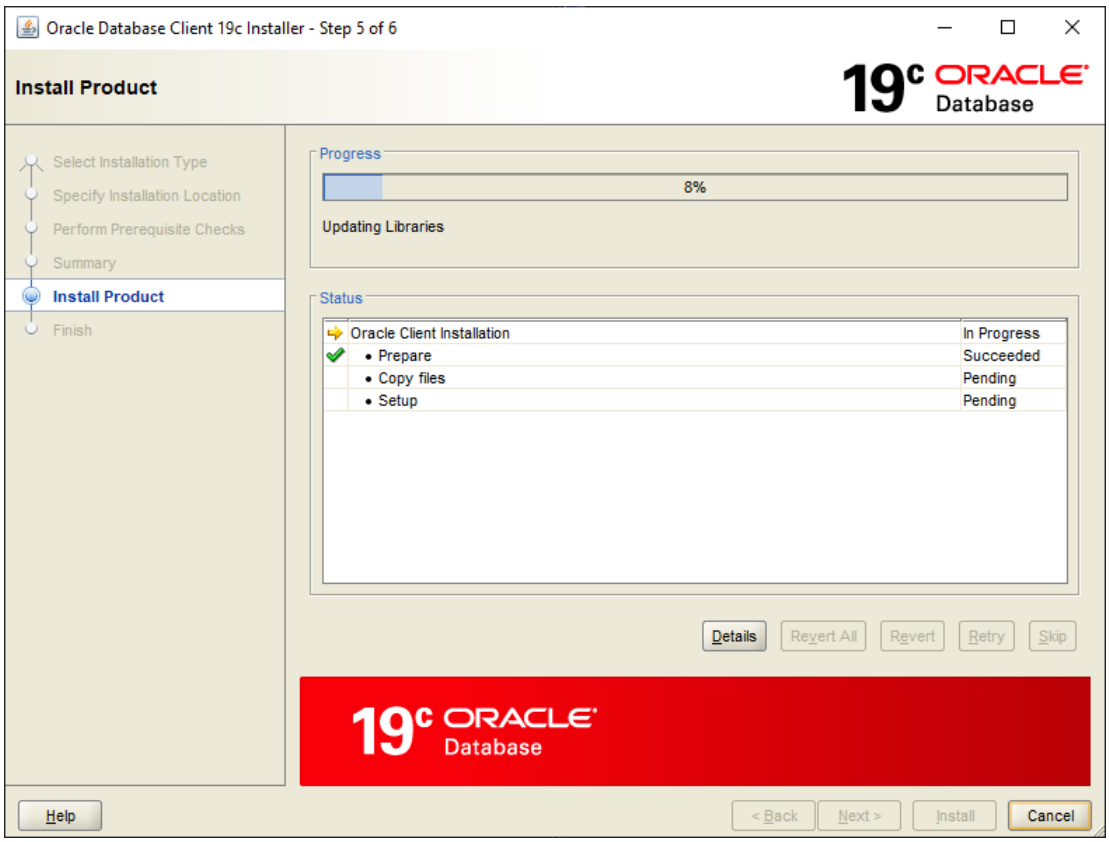
Rulam setup.exe cu drepturi de administrator cu type *Administrator* daca dorim sa avem tooluri de management pentru clientii Oracle, daca nu, se poate instala cu type *Instant client*:





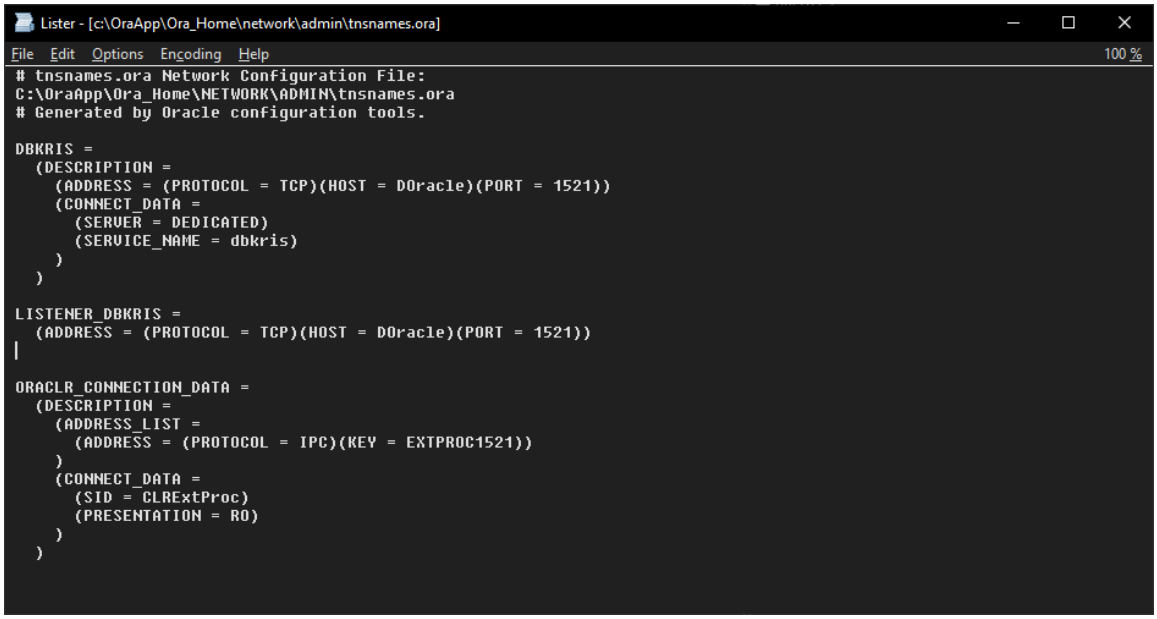
Alegem locul unde vom instala clientul de oracle:





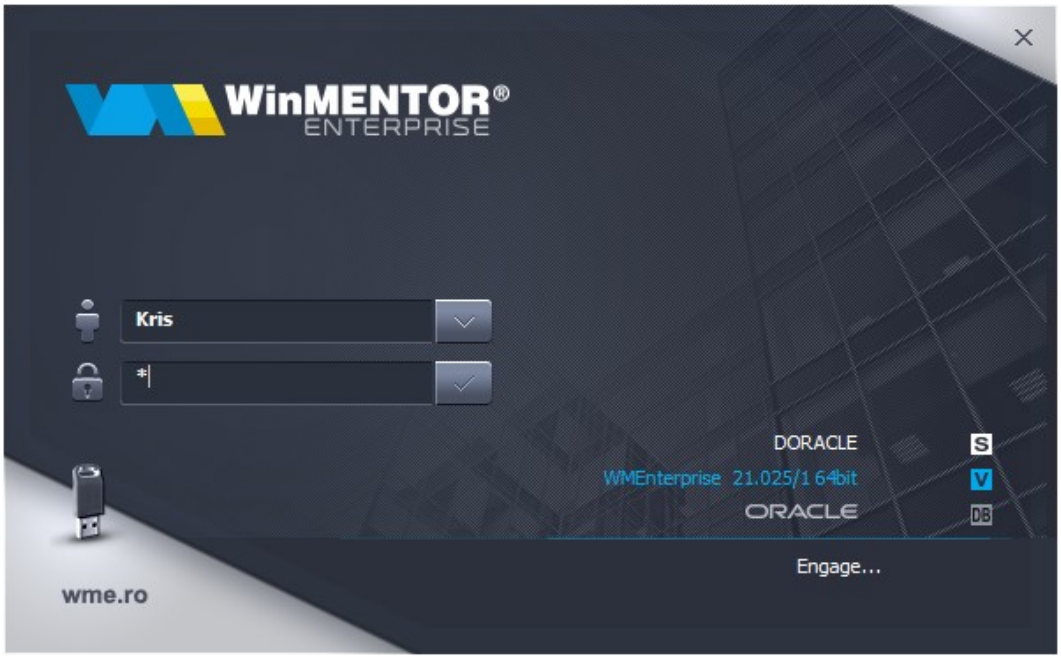
Urmatorul pas este crearea unui director WME, unde vom copia executabilele WMEnterprise necesare alaturi de *dbparams.ini*, *nethasp.ini* si *protect.dat* asa cum au fost configurate si pe server (vezi pagina 12 si 13).

Ultimul pas este configurarea fisierului *tnsnames.ora* cu datele de conectare catre server, poate fi copiat de pe server din *d:\OraApp\Ora_Home\network\admin* in exemplul meu.



La HOST se poate pune *numele* serverului daca este cu ip dinamic sau *Ip*-ul serverului daca este cu *Ip* fix.

Si acum:



Engage!